



2021



PROJECTS FINANCED BY
**THE GREEN AND
SUSTAINABILITY BOND**



Valérie Péresse,
President of the Île-de-France Region

The consideration of social and environmental issues, in light of those related to the climate challenge, involves practical and measurable commitments for which the Île-de-France Region is swinging into action.

For several years, the Region has been committed to sustainable finance, as evidenced by its first green and sustainable bond issue, which took place ten years ago now and was distinguished as the first in this sustainable format by a local authority in Europe, even before the creation of the ICMA (Green Bond Principles).

Although three quarters of the regional outstanding debt is today green and sustainable, the Region continues its commitments as a pioneering issuer and has already started to integrate the new "European green taxonomy" regulation within its framework of green, social and sustainable bond issues. This work illustrates the alignment of the projects financed by the Region with the most ambitious environmental standards.

This new reporting continues and increases the transparency work that we have conducted with our stakeholders on our Region's socially responsible investments, financed under the 2021 sustainable loan. The Regional Council therefore aspires to demonstrate the exemplary nature of its financing by presenting green and social projects that satisfy new eligibility criteria corresponding to the best standards in force.

I am particularly proud of the fact that the Île-de-France Region not only invests for the daily lives of its residents but also for their future, by bringing together a large number of environmental, economic and social dimensions. This ambition is illustrated very well this year by the project to build a 1,200 place secondary school at Cormelles-en-Parisis, a project uniting the best energy performance standards.

In a process of continuous improvement and a desire for a preferred relationship, the Île-de-France Region is constantly improving the information it gives to investors. This is why, this year, we have decided to address the targets for each SDG for the projects financed.

All the work by the Region's teams has, once again, been rewarded in 2022, which is evidence of an effective and recognised green and sustainable finance policy:

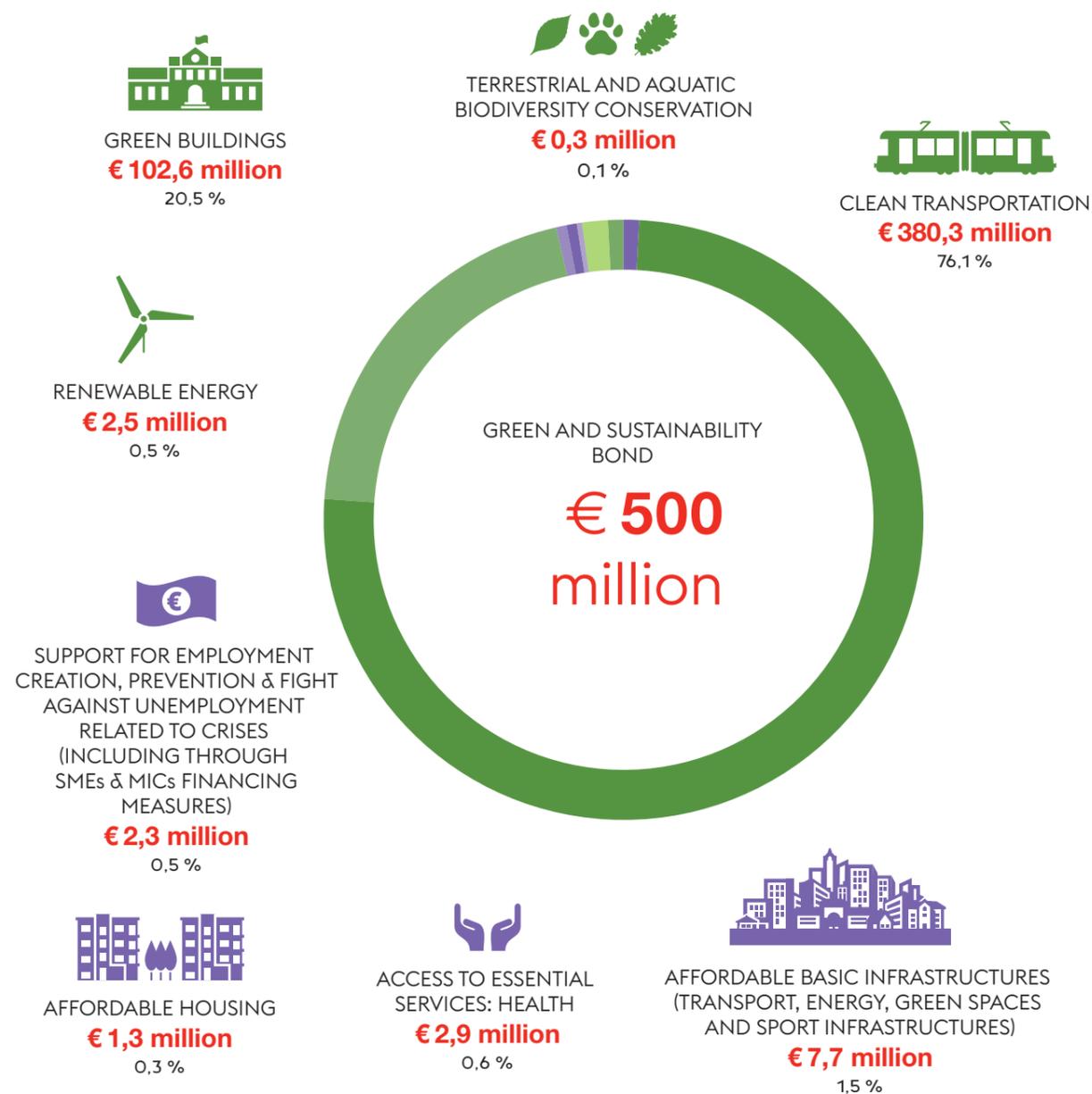
- ▶ Winner of the "Business Partner" category in the Digital Finance Awards, recognising the work of the finance division's teams, in particular from among all the Region's departments for the correct execution of our green and sustainable financing strategy.
- ▶ A distinction at the Finance Leaders' Summit in the "Financial management: public sector" and "Financial management: innovations, transformations and restructuring" categories.

Before leaving you to browse the different exemplary community projects financed in 2021, I would like to thank all the investors who have supported us for many years as well as those who have joined us this year.

Through your sustainable financing, you are actively supporting our regional action for an ever greener, more social and sustainable Île-de-France.

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The 2021 green and sustainability bond



ISIN: FR0014003067

Projects financed by the 2021 green and sustainability bond

✓ Statement of expenditures certified as accurate by the public accountant.

| | Amount (€M) | % Alignment to the 1st objective of the European Taxonomy | Allocation rate | |
|--|--------------|---|-----------------|--------------|
| | 500,0 | 76,1 % | 100 % | |
| GREEN PROJECTS CATEGORIES | | | | |
| GREEN PROJECTS CATEGORIES | 485,8 | 97,2 % | | |
| GREEN BUILDINGS | 102,6 | 20,5 % | | p. 19 |
| New secondary school and boarding school construction projects | 11,8 | | 2,4 % | |
| New high school at Cormelles-en-Parisis | 11,8 | | | p. 20 |
| Secondary school renovation project | 69,3 | | 13,9 % | |
| Albert Camus high school in Bois-Colombes | 11,2 | | | p. 22 |
| Eugène Ronceray high school in Bezons | 20,5 | | | p. 24 |
| Georges Brassens high school in Villeneuve-le-Roi | 21,5 | | | p. 26 |
| Pierre Mendès-France high school at Ris-Orangis | 16,1 | | | p. 28 |
| Higher education construction project | 21,5 | | 4,3 % | |
| La Contemporaine (Contemporary International Documentation Library) | 2,0 | | | p. 30 |
| Ecole des Hautes Etudes en Sciences Sociales | 2,1 | | | p. 32 |
| "Première pierre" building in Serris (Val d'Europe) | 4,1 | | | p. 34 |
| Grand Espace Documentaire - Condorcet Campus | 4,0 | | | p. 36 |
| Conservatoire National des Arts et Métiers (CNAM) - LANDY 2 | 5,7 | | | p. 38 |
| Conservatoire National des Arts et Métiers (CNAM) - SYNERGIE 2 | 3,6 | | | p. 40 |
| CLEAN TRANSPORTATION | 380,3 | 76,1 % | 76,1 % | p. 43 |
| Projects: subways | 129,6 | 25,9 % | 25,9 % | |
| Subway line 4 | 19,0 | | | p. 44 |
| Subway line 11 | 110,6 | | | p. 46 |
| Projects: tramways | 125,2 | 25,0 % | 25,0 % | |
| Tramway line T4 | 31,1 | | | p. 48 |
| Tramway line T9 | 36,0 | | | p. 50 |
| Tramway line T12 | 58,2 | | | p. 52 |
| Projects: railway links | 123,7 | 24,7 % | 24,7 % | |
| EOLE | 123,7 | | | p. 54 |
| Scheme: Development for buses on own sites and layout of roadways | 1,8 | 0,4 % | 0,4 % | |
| T ZEN 4 (Viry-Châtillon > Corbeil-Essonnes) | 1,8 | | | p. 56 |
| RENEWABLE ENERGY | 2,5 | | 0,5 % | p. 59 |
| Geothermal drilling at the Dogger | 1,9 | | | p. 60 |
| Extension of the geothermal heating network | 0,6 | | | p. 62 |
| Installation of photovoltaic shades | 0,04 | | | p. 64 |
| TERRESTRIAL AND AQUATIC BIODIVERSITY CONSERVATION | 0,3 | | 0,1 % | p. 67 |
| Relevant example of the Green Spaces Agency Pro | 0,3 | | | |
| Reopening and renaturation of the Bievre river at the Parc du Coteau | 0,3 | | | p. 68 |
| Relevant example of the Protection of biodiversity, water policy and cross-cutting actions scheme | 0,1 | | | |
| Restoration of the banks of the Marne, the stream of Bras St Père and associated spaces | 0,1 | | | p. 70 |
| SOCIAL PROJECTS CATEGORIES | | | | |
| SOCIAL PROJECTS CATEGORIES | 14,2 | | 2,8 % | |
| ACCESS TO ESSENTIAL SERVICES: HEALTH | 2,9 | | 0,6 % | p. 73 |
| Deployment of temporary intensive care beds | 2,9 | | | p. 74 |
| AFFORDABLE HOUSING | 1,3 | | 0,3 % | p. 77 |
| Charlotte Perriand Residence | 1,3 | | | p. 78 |
| AFFORDABLE BASIC INFRASTRUCTURES (TRANSPORT, ENERGY, GREEN SPACES AND SPORT INFRASTRUCTURES) | 7,7 | | 1,5 % | p. 81 |
| Renovation of the football club training centre - RED STAR | 1,0 | | | p. 82 |
| Centre de Ressources, d'Expertise et de Performance Sportive (CREPS) | 4,3 | | | p. 84 |
| Development of the Corniche-des-Forts leisure island | 2,4 | | | p. 86 |
| SUPPORT FOR EMPLOYMENT CREATION, PREVENTION & FIGHT AGAINST UNEMPLOYMENT RELATED TO CRISES (INCLUDING THROUGH SMES & MICs FINANCING MEASURES) | 2,3 | | 0,5 % | p. 89 |
| Support for the activity of the Association for the Right to Economic Initiative (Adie) | 1,0 | | | p. 90 |



PRESENTATION OF THE ILE-DE-FRANCE REGION

As a leading regional authority, the Ile-de-France Region manages a budget of over €5 billion, the highest among the French regions, half of which is dedicated to long-term investment encouraging the vitality and attractiveness of the region.

The Region therefore plays a pivotal role in sustainable development. It is the competent authority for defining strategic guidelines for local public action in the region: regional development, transport (with Ile-de-France Mobilités), economic development, research and innovation, climate and energy, biodiversity and waste management. Today, the Region sets aside about €2 billion every year for its ecological transformation (47% of the annual budget). Spearheading the foundation of a sustainable regional ecosystem, investment expenditure was more than operating expenses for the first time in 2019.

Ambitious environmental road map

As part of its actions, the Region has established a cross-cutting environmental roadmap that is resolutely geared towards the territories and permeates all regional policies:

- Transport: environmental objective to reduce greenhouse gas emissions linked to transport and mobility,
- New regional strategy for economic development, innovation and internationalisation, which incorporates the environmental challenge of meeting a dual goal of identifying the potential for economic activity, employment and innovation and improving the living conditions for Ile-de-France residents,
- Continued territorialisation of the regional environmental policy, in order to instil new dynamics in favour of the environment within the framework of the development projects of Ile-de-France authorities. The "Hundred innovative and ecological districts" scheme, launched in 2016, illustrates this change,
- Repositioning support for the themed research networks (major interest areas), mainly by targeting the major challenges in terms of climate, energy and resources,
- High environmental requirement, with the adoption of various plans, strategies, schemes and mechanisms over the last four years, such as the "Changeons d'air" (Let's change the Air) plan and the regional Waste Prevention and Management plan, the "Energy-Climate" plan, which emphasises innovation and the development of renewable energies, the "Solar", "Hydrogen" and "Methanisation" plans, the "Green", "Anti-jam" and "Bicycle" plans and also the preparation, in consultation with local players, of the Regional Strategy for Biodiversity 2020-2030.
- Support for organic farming in Ile-de-France and short supply chains with the adoption of the "Regional Strategy for Forests and Woods" in 2017 and the "Regional Strategy for growth in bio-based materials and products" in 2018.

In addition, regardless of the area of intervention, the Region makes sure that all its guidelines are coherent and that sustainable development and social responsibility are central to its action. Thus, the Region aims to be an exemplary authority in terms of the institution's operation.

Several exemplary actions by the Region

Through its Région Solidaire (Inclusive Region) programme, the Region confirmed its commitment by establishing autism as the important regional cause for 2022. The Region also pays particular attention to the early diagnosis and management of autism.

In October 2017, to encourage union commitment by recognising the skills of union representatives, the Region, with five out of seven union organisations (representing 72% of the Region's staff), signed a Charter of recognition of the union path in career development and professional evolution. Furthermore, as part of its active policy for gender equality and combating violence towards women (designated the Important Regional Cause in 2017), the Region signed a framework agreement with five unions on professional gender equality.

In March 2019, the Region also adopted a framework agreement to improve public service efficiency through the quality of life at work, autonomy and responsibility. By continuing to modernise, the Region has committed through several schemes to encourage freedom in the organisation of work (working from home, flexible working hours), whilst remaining anxious to protect its staff and by becoming a pioneering administration in recognising the right to disconnect.

Beyond that, to make public procurement contracts more sustainable and accessible, the Region wanted to overhaul its purchasing policy as early as 2016, having taken part in creating the Maximilien platform assembling all Ile-de-France public procurement contracts. In 2018, the Region had already signed a "Supplier relations and sustainable purchases" Charter as part of a process of progress with regard to its suppliers, particularly companies in the social and socially-inclusive economy.

Commitment confirmed by outside assessments

The Region enjoys excellent credit quality equivalent to that of the French State, meaning that it can intervene in the long term in its region in the best possible conditions. It is currently rated Aa2, with stable outlook, by Moody's and AA, negative outlook, by Fitch.

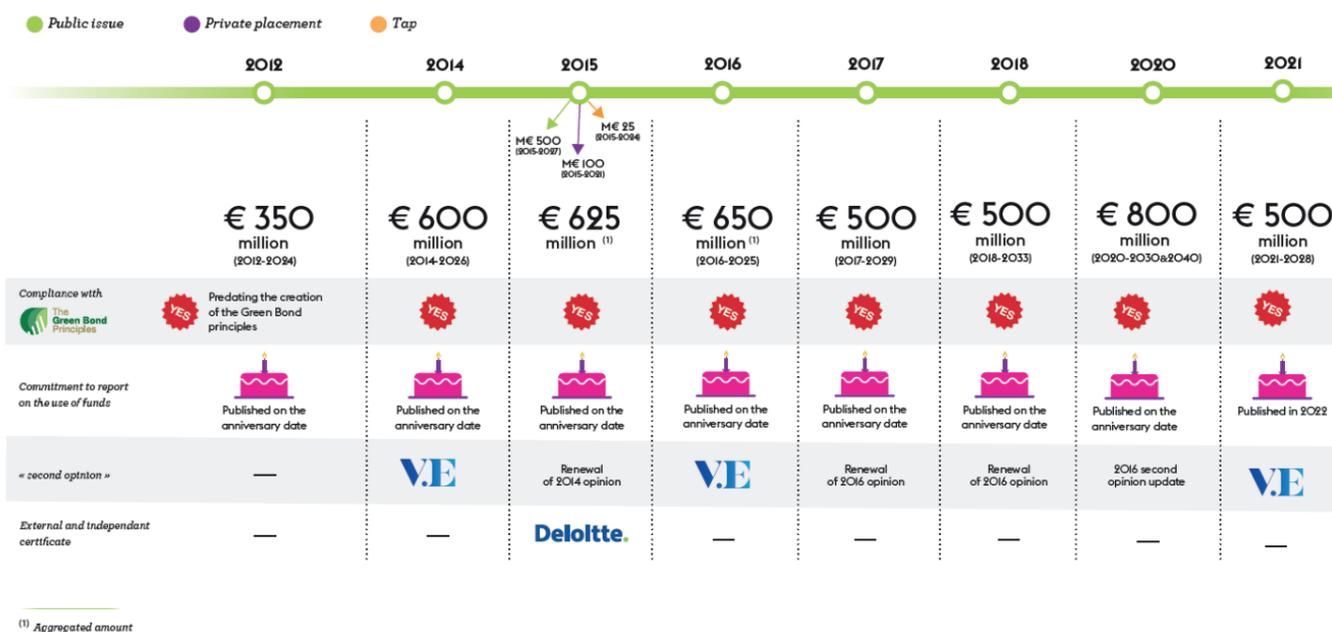
The extra-financial environmental, social and governance (ESG) performance of the Ile-de-France Region is also recognised. In 2021, the Vigeo Eiris agency, which has been assessing the Region since 2009, scored the Region's performances as 63/100 overall, which are qualified as "advanced". The agency is thus acknowledging the sustainable performance of the Ile-de-France Region by placing it third out of the 29 European local authorities assessed.

A REGULAR PLAYER IN THE GREEN AND SUSTAINABLE BOND MARKET

The Ile-de-France Region is a frequent and regular issuer in the green bond market. It raised more than 4.5 billion euros with its green and sustainable issues between 2012 and 2021 through nine financing operations including six benchmark public issues. Green and sustainable financing accounts for 78% of the total outstanding regional debt at the end of 2021.

The green and sustainable operations launched by the Region are consistent with the Sustainability Bond Guidelines and thus governed by both the Green Bond Principles and the Social Bond Principles. They are targeting best practices, for example through recourse to a third party opinion on the 2015 report or by requesting that the second party opinion is updated on the Region's commitments under its 2021 operations. The framework established by the Region on the green and sustainable issues is described on the next page.

HISTORY OF GREEN AND SUSTAINABLE BORROWING BY THE REGION AND THE COMMITMENTS MADE



Recent awards:

The Ile-de-France Region has been awarded several trophies in recent years for its green and sustainable financial strategy, in particular:

- **“Business Partner” Award**

The award was presented to the region in April 2022 at the Digital Finance Awards, highlighting the work by the Finance division with the region’s operational departments in order to focus regional finances on ever more responsible financing and consider the emerging international regulations on the issue (sustainable development goals, European taxonomy, ICMA, etc.).

- **Prize for the “best sustainable bond issuer in France”**

In April 2021, Capital Finance International (CFI) awarded the Île-de-France Region the prize for the “best sustainable bond issuer in France” in connection with the €800 million bond issue in 2020. This prize pays tribute to the Region’s pioneering spirit in sustainable development and underlines that “half the budgeted regional expenses have contributed to the Region’s ecological ambitions”.

- **Gold trophy of public finance leaders**

This prize, received in April 2019, rewards the everyday commitment by all the Region’s staff towards cost-saving and ambitious management. The jury highlighted especially:

- the Region’s commitment to make Ile-de-France a leading European authority for green and sustainable bond issues. In fact, it is the first regional authority in Europe to have launched bond issues combined with exemplary annual reporting;
- the sharp decline in regional expenses. In 2019, savings of more than €1 billion in operating expenses had been accumulated since 2015 (€2.0 billion cumulative savings in 2021), thereby enabling new investments to be financed. From 2019 onwards, investment expenses have exceeded operating expenses in volume;
- the ambitious, proactive “purchasing” policy, most recently shown by the new regional purchasing centre that pools purchasing resources and expertise for the benefit of its stakeholders (secondary schools, associated bodies, other authorities, etc.).

- **Annual Environmental Finance award for the best sustainable development bond issue by a regional authority**

In March 2019, the Ile-de-France Region received the annual Environmental Finance award for its most recent green and sustainable bond issue as a regional authority.

THE REGION'S GREEN AND SUSTAINABILITY OPERATIONS FRAMEWORK

The green and sustainable operations launched by the Ile-de-France Region comply with the major Green Bond Principles and Social Bond Principles; they aim to implement the best practices in place.

| Category | Description |
|--|--|
| GREEN PROJECTS CATEGORIES | Green buildings Construction and renovation of buildings using a sustainable development approach, promoting respect for the environment and accessible to persons with reduced mobility |
| | Clean transportation Construction of public rail transport infrastructures and low-carbon road transport infrastructures dedicated to public passenger transport |
| | Renewable energy Projects that contribute to the development of renewable energy and energy efficiency |
| | Terrestrial and aquatic biodiversity conservation Restoration and rehabilitation of ecosystems, sustainable forest management, investment in protected areas |
| SOCIAL PROJECTS CATEGORIES | Access to essential services: education Provide access to quality education infrastructures (public secondary education, public higher education) |
| | Access to essential services: health Projects that contribute to the development of health infrastructures and the purchase of healthcare equipment, research and development projects in terms of health and projects related to the setting up of any emergency infrastructures required in an exceptional crisis |
| | Access to essential services: social inclusion Development of accommodation capacity for vulnerable populations, of medical educational centres, projects to improve the accessibility of buildings and infrastructures |
| | Affordable housing Projects designed to develop and renovate the social housing stock, in line with environmental and social requirements and increasing access to housing and improving comfort |
| | Affordable basic infrastructures (transport, energy, green spaces and sport infrastructures) Construction of public transport infrastructures for better access to the entire region, projects to improve the comfort and safety of infrastructures for transport users and residents, development of basic infrastructure in terms of local renewable energy and energy efficiency; in terms of green spaces, preservation of the natural environments and biodiversity, development of sporting facilities |
| Support for employment creation, prevention & fight against unemployment related to crises (including through SMEs & MICs financing) Projects that contribute to creating or maintaining local jobs, through supporting regional SME & MIC, and projects in the social and socially-inclusive economy, support for research and innovation by SME & MIC and the development of the region’s attractiveness | |

Allocation of funds to four green project categories and six categories of illustrative regional action projects

Nine eligibility criteria on the purpose and management of projects



In some cases, especially for projects for emergency measures in a crisis, not all the eligibility criteria may be fully covered.

Publication of a report on the use of funds (by the end of year n+1)

Reports published by the Region illustrate compliance with commitments made at the time of issue relating to the allocation of funds, compliance with the eligibility criteria for each project/scheme financed and the presentation of cross-cutting impact indicators for the projects. Schemes involving a multitude of small projects are reported on one or two project examples which are presented for each scheme funded.

Transparency on management of funds and the allocation and selection process

1/Management of funds:

In terms of financial flows, the funds from the borrowing are fungible in the regional treasury. French authorities are obliged to deposit their cash balance in a single account at the French Treasury.

From a budgetary and accounting viewpoint, borrowings are entered as investment earnings and cover the investment expenses for the year. This principle of budgetary annuality guarantees investors that the funds raised by the green and sustainable loans will be used in the year the loan is raised to finance the Region's investment projects. The Regional Department of Public Finances (DRFiP) controls the regularity of the expenditure mandated by the Region and makes the payment. In his capacity as the designated public accountant for the Île-de-France Region, the Regional Director of Public Finances for the Île-de-France Region and Paris certifies that the expenses listed on the statement produced have been paid.

2/Project allocation and selection process:

This process starts after the end of the year in which the loan in question was raised, when the Region has a perfect view of the level of investment expenditure for each project.

The Finance Division, which coordinates the preparation of the report, requires each operational division in the Region to select a certain number of investment projects:

- Firstly, the operational divisions must identify projects corresponding to an amount of expenses recorded in the year and which meet the eligibility criteria for green and sustainability loans from the most exemplary in this respect. In some cases, especially for projects for emergency measures in a crisis, some eligibility criteria may not be fully covered. The Region's divisions that sponsor the projects are the best placed to select the most illustrative projects in their portfolio.

- Secondly, the management control and financial decision department verifies the amount of expenses for each project in conjunction with the division in question. The finance division then distributes the funds raised by the loan on the basis of the proposed projects, the sustainable finance committee (SFC) approves the definitive selection.

Once this step has been completed, each division prepares the report on the selected projects. The information obtained by each division is then centralised within the finance division, which consolidates the document and verifies the overall consistency. The document is then sent to the communications division for design and printing.

The Île-de-France Region has a "reasonable" insurance level (the best) from Vigeo-Eiris on the credibility of the sustainable development framework (SPO 03/2021: <https://www.iledefrance.fr/sites/default/files/medias/2021/03/bond-framework-region-IDF-EN.pdf>)

INTRODUCTORY ASPECTS OF THE 2021 REPORT

The report submitted this year on the projects financed by the 2021 green and sustainable bond issue contains a higher level of information than that presented in 2020 (last one published). It includes:

- A table summarising the allocation of funds to the projects/schemes submitted;
- A table summarising the three potentially cross-cutting project impact indicators identified: jobs supported by the project (in construction and operating phases), CO2 emissions avoided by the project, number of project beneficiaries, by including a methodological note presenting each methodology used to calculate the impact indicators;
- A sheet on each project/scheme submitted describing the purpose of the project and updating its lifecycle, if necessary; a summary table illustrates with evidence how each project meets each eligibility criterion; every sheet header gives the essential project information and recalls, if necessary, the amounts allocated to the project from previous green and sustainable borrowing by the Region since 2014;
- An evaluation, where possible, of the project's alignment with the first objective (Mitigating climate change) of the European green taxonomy.

Like last year, a project example is submitted for each scheme financed, for schemes involving a multitude of small projects.

- A review of projects financed by the 2021 green and sustainable borrowing from the perspective of the United Nations Sustainable Development Goals:
 - ▶ The targets of the Sustainable Development Goals to which each project responds are identified as such in the header of each project sheet;
 - ▶ A summary table is presented to provide an overview of the contribution of each project to each of the goals; the approach used to construct this table is presented in the methodological note. The table also links to the impact indicators referred to in the project sheets;
 - ▶ This approach shows that, on average, each project makes a direct and positive contribution to 7.2 UN Sustainable Development Goals compared with a subset of eleven Sustainable Development Goals that can potentially be applied directly to investment projects financed by the 2021¹ green and sustainable borrowing.

¹ See methodological note

| 2021 report preparation process | |
|---------------------------------|--|
| February 2022 | Launch of the project allocation and selection process |
| March 2022 | Consultation with the operational divisions involved to identify a set of eligible projects |
| May 2022 | First provisional project selection by the finance division |
| May - June 2022 | Verification of the amount of expenses on each project by the management control and financial decision department |
| June 2022 | Each division involved prepares the report on the projects identified, illustrating how each project and scheme meets the eligibility criteria and filling in an impact indicator grid, mainly focusing on information on the methodology used |
| September 2022 | Consolidation, standardisation and consistency check by the finance division of all information produced |
| 5 October 2022 | Sustainable Finance Committee (SFC) meeting definitively selecting the projects |
| October 2022 | Formatting and translation of the report |
| End of 2022 | Publication of the finalised report |

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Projects and schemes benefiting from funds raised in 2021

48%

Proportion of projects and schemes renewed this year compared to last year

15

New projects and schemes benefiting from funds raised in 2021

7,2

Average number of UN Sustainable Development Goals to which each financed project or scheme directly contributes

EVALUATION OF THE ALIGNMENT OF PROJECTS WITH THE EUROPEAN TAXONOMY

All the projects have been selected in accordance with the regional eligibility criteria defined within the framework of the green, social and sustainable bond issues of the Île-de-France Region.

Where possible, the evaluation by law of the alignment of projects with the 1st objective of European taxonomy "Climate change mitigation" has been achieved. The table below lists all the projects financed by 2021 borrowing aligned with the objective.

| CLEAN TRANSPORTATION | | | | | | |
|---|---|---------------------------|--|----------------------------------|----------------------------------|---|
| EUROPEAN TAXONOMY ACTIVITY | Technical criteria of the economic activity | DNSH criteria | | | | |
| | | Climate change adaptation | Sustainable use and protection of water and marine resources | Transition to a circular economy | Pollution prevention and control | Protection and restoration of biodiversity and ecosystems |
| 6.14. INFRASTRUCTURE FOR RAIL TRANSPORT | | | | | | |
| Projects: subways | | | | | | |
| Subway line 4 | Aligned | Aligned | Aligned | Aligned | Aligned | Aligned |
| Subway line 11 | Aligned | Aligned | Aligned | Aligned | Aligned | Aligned |
| Projects: tramways | | | | | | |
| Tramway line T4 | Aligned | Aligned | Aligned | Aligned | Aligned | Aligned |
| Tramway line T9 | Aligned | Aligned | Aligned | Aligned | Aligned | Aligned |
| Tramway line T12 | Aligned | Aligned | Aligned | Aligned | Aligned | Aligned |
| Projects: railway links | | | | | | |
| EOLE | Aligned | Aligned | Aligned | Aligned | Aligned | Aligned |
| 6.15. INFRASTRUCTURE ENABLING LOW-CARBON ROAD TRANSPORT AND PUBLIC TRANSPORT | | | | | | |
| Scheme: Development for buses on own sites and layout of roadways | | | | | | |
| T ZEN 4 | Aligned | Aligned | Aligned | Aligned | Aligned | Aligned |

It is noted that France has implemented sufficient policies, regulations and frameworks in order to be aligned with the minimum social safeguards of the European taxonomy. Significant measures are being taken by the Île-de-France Region in addition to the national framework to ensure its alignment with the minimum safeguards of the European taxonomy, as reflected under the Region's bond issues.

| PROJECT COMPLIANCE TO THE EU TAXONOMY | |
|--|---|
| Climate change mitigation | ✓ |
| Climate change adaptation | |
| Sustainable use and protection of water and marine resources | |
| Transition to a circular economy | |
| Pollution prevention and control | |
| Protection and restoration of biodiversity and ecosystems | |

All the data relating to the alignment of the projects with regard to the regional eligibility criteria and the European taxonomy are available on the Region's finance portal: <https://www.iledefrance.fr/region-funding>

Summary of impacts of projects and footprint of the 2021 green and sustainable bond

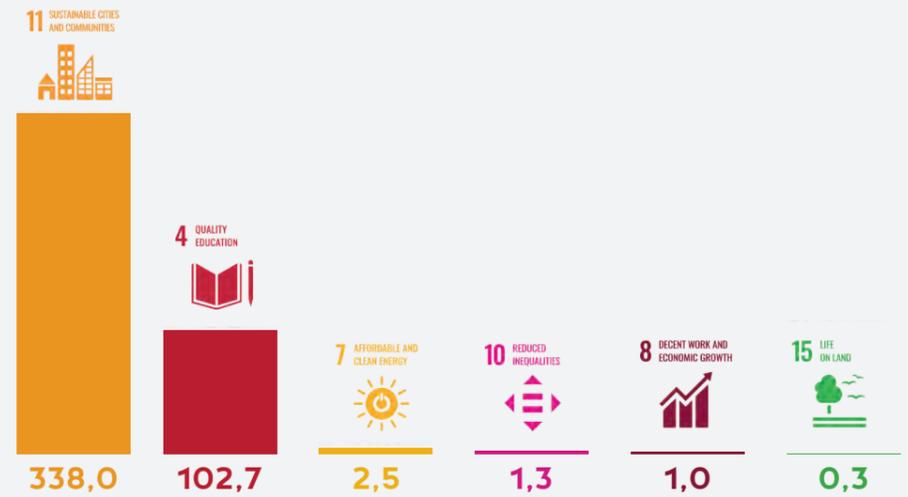
| | Project purpose | Impact of projects and schemes submitted | | | | Footprint of the 2021 green and sustainable bond (project impact weighted by the weight of the loan in the project financing) | | | | | |
|--|-----------------|---|---|-------------------------------|---------------------------------|--|------------------|---|---------------|---|-------|
| | | Total project cost in € million (1) | CO2 emissions (teq/year) avoided by the project | FTE supported by the project* | Number of project beneficiaries | Amount of 2021 green and sustainable borrowing allocated to the project in € million (2) | Weight (2) / (1) | CO2 emissions (teq/year) avoided by the project | FTE supported | Scope covered by the indicators (Amount carried forward/ Amount scheme) | |
| GREEN BUILDINGS | | | | | | | | | | | |
| <i>New secondary school and boarding school construction projects</i> | | | | | | | | | | | |
| New high school at Corneilles-en-Parisis | NEW PROJECT | New build | 43,8 | 55 | 6 | 1200 | 11,8 | 26,9 % | 15 | 2 | 100 % |
| <i>Secondary school renovation project</i> | | | | | | | | | | | |
| Albert Camus high school in Bois-Colombes | NEW PROJECT | School restructuring and extension | 53,7 | 49 | 1 | 1 570 | 11,2 | 20,9 % | 10 | 0,2 | 16 % |
| Eugène Ronceray high school in Bezons | NEW PROJECT | School restructuring and extension | 64,4 | 157 | 15 | 1 150 | 20,5 | 31,8 % | 50 | 5 | 30 % |
| Georges Brassens high school in Villeneuve-le-Roi | NEW PROJECT | School restructuring and extension | 73,1 | 19 | 3 | 1 200 | 21,5 | 29,4 % | 6 | 1 | 31 % |
| Pierre Mendès-France high school at Ris-Orangis | NEW PROJECT | School restructuring and extension | 47,0 | 90 | 2 | 1 200 | 16,1 | 34,3 % | 31 | 1 | 23 % |
| <i>Higher education construction project</i> | | | | | | | | | | | |
| La Contemporaine (Contemporary International Documentation Library) | | New build | 29,5 | 113 | 87 | 25 000 | 2,0 | 6,8 % | 8 | 6 | 9 % |
| Ecole des Hautes Etudes en Sciences Sociales | | New build | 38,8 | 44 | 101 | 16 966 | 2,1 | 5,3 % | 2 | 5 | 9 % |
| "Première pierre" building in Serris (Val d'Europe) | NEW PROJECT | New build | 35,1 | 10 | 101 | 801 | 4,1 | 11,7 % | 1 | 12 | 19 % |
| Grand Espace Documentaire - Campus Condorcet | | New build | 102,3 | 285 | 262 | 30 950 | 4,0 | 3,9 % | 11 | 10 | 19 % |
| Conservatoire National des Arts et Métiers (CNAM) - LANDY 2 | | New build | 35,1 | 10 | 101 | 801 | 5,7 | 16,2 % | 2 | 16 | 27 % |
| Conservatoire National des Arts et Métiers (CNAM) - SYNERGIE 2 | NEW PROJECT | New build | 19,0 | 19 | 57 | 181 | 3,6 | 19,1 % | 4 | 11 | 17 % |
| CLEAN TRANSPORTATION | | | | | | | | | | | |
| <i>Projects: subways</i> | | | | | | | | | | | |
| Métro line 4 | | Extension to Bagneux | 307,1 | 570 | 2 180 | 755 800 | 19,0 | 6,2 % | 35 | 135 | 15 % |
| Métro line 11 | | Extension to Rosny-Bois-Perrier | 1 298,0 | 3 255 | 9 216 | 331 000 | 110,6 | 8,5 % | 277 | 785 | 85 % |
| <i>Projects: tramways</i> | | | | | | | | | | | |
| Tramway line T4 | | New branch between Bondy and Montfermeil | 255,8 | - | 1 816 | 62 000 | 31,1 | 12,1 % | - | 221 | 25 % |
| Tramway line T9 | | New line between Paris and Orly ville | 403,3 | 1 338 | 2 863 | 70 000 | 36,0 | 8,9 % | 119 | 255 | 29 % |
| Tramway line T12 | | New line between Massy-Palaiseau and Evry Courcouronnes | 526,0 | 2 534 | 4 095 | 40 000 | 58,2 | 11,1 % | 280 | 453 | 46 % |
| <i>Projects: railway links</i> | | | | | | | | | | | |
| EOLE | | Extension of the RER E westwards | 3 740,9 | 8 040 | 26 554 | 1 400 000 | 123,7 | 3,3 % | 266 | 878 | 100 % |
| <i>Scheme: Development for buses on own sites and layout of roadways</i> | | | | | | | | | | | |
| T ZEN 4 | | New bus line between Viry-Châtillon and Corbeil-Essonnes | 124,0 | - | 880 | 47 000 | 1,8 | 1,5 % | - | 13 | 100 % |
| RENEWABLE ENERGY | | | | | | | | | | | |
| <i>Scheme: Energy policy and cross-cutting actions</i> | | | | | | | | | | | |
| Geothermal drilling at the Dogger | NEW PROJECT | Geothermal doublet at the dogger | 12,7 | 7 000 | 28 | 14 000 | 1,9 | 14,8 % | 1 033 | 4 | 74 % |
| Extension of the geothermal heating network | NEW PROJECT | Extension of the geothermal heating network | 5,8 | 3 000 | - | 2 200 | 0,6 | 10,4 % | 313 | - | 24 % |
| Installation of photovoltaic shades | NEW PROJECT | Photovoltaic installation | 0,2 | 12 | - | 5 | 0,04 | 21,0 % | 2 | - | 2 % |
| TERRESTRIAL AND AQUATIC BIODIVERSITY CONSERVATION | | | | | | | | | | | |
| <i>Relevant example of the Green Spaces Agency Program</i> | | | | | | | | | | | |
| Reopening and renaturation of the Bievre river at the Parc du Coteau | NEW PROJECT | Rediscovery of a buried section of urban river | 2,8 | - | - | 700 000 | 0,3 | 9,1 % | - | - | 100 % |
| <i>Relevant example of the Protection of biodiversity, water policy and cross-cutting actions scheme</i> | | | | | | | | | | | |
| Restoration of the banks of the Marne, the stream of Bras St Père and associated spaces | NEW PROJECT | Reconstitution of the ecological continuity of the banks of the Marne | 1,7 | - | - | 107 949 | 0,1 | 4,4 % | - | - | 100 % |
| ACCESS TO ESSENTIAL SERVICES: HEALTH | | | | | | | | | | | |
| Covid-19 - Deployment of temporary intensive care beds | NEW PROJECT | Increasing the capacity of the Ile-de-France intensive care units | 10,0 | - | - | 421 | 2,9 | 9,1 % | - | - | 100 % |
| AFFORDABLE HOUSING | | | | | | | | | | | |
| <i>Scheme: Support for social housing</i> | | | | | | | | | | | |
| Charlotte Perriand Résidence | NEW PROJECT | Construction of a student residence of 179 PLUS units | 9,6 | - | - | 179 | 1,3 | 13,7 % | - | - | - |
| AFFORDABLE BASIC INFRASTRUCTURES (TRANSPORT, ENERGY, GREEN SPACES AND SPORT INFRASTRUCTURES) | | | | | | | | | | | |
| Renovation of the football club training centre - RED STAR | NEW PROJECT | Renovation of a training center | 2,2 | - | - | 60 | 1,0 | 45,5 % | - | - | 13 % |
| Centre de Ressources, d'Expertise et de Performance Sportive (CREPS) | | New build and reorganisation | 32,0 | - | - | 320 | 4,3 | 13,4 % | - | - | 56 % |
| Development of the Corniche-des-Forts leisure island | | Outdoor layout of an educational trail | 14,7 | - | 2 | 147 565 | 2,4 | 16,2 % | - | 0,3 | 31 % |
| SUPPORT FOR EMPLOYMENT CREATION, PREVENTION & FIGHT AGAINST UNEMPLOYMENT RELATED TO CRISES | | | | | | | | | | | |
| <i>Scheme: Support for the social and socially-inclusive economy</i> | | | | | | | | | | | |
| Support for the activity of the Association for the Right to Economic Initiative (Adie) | | Loan on trust and guarantee funds France Active/Adie | 1,0 | - | - | 1 179 | 1,0 | 100 % | - | - | 45 % |
| GREEN PROJECTS CATEGORIES TOTAL | | | - | 26 600 | 48 368 | 3 610 973 | - | - | 2 466 | 2 812,9 | - |
| SOCIAL PROJECTS CATEGORIES TOTAL | | | - | - | 2 | 149 724 | - | - | - | 0,3 | - |
| OVERALL TOTAL | | | - | 26 600 | 48 370 | 3 760 697 | - | - | 2 466 | 2 813,2 | - |

* Sum of worksite FTE and operating FTE, including insertion FTE where appropriate.

Reading funded projects from the point of view of UN Sustainable Development Goals

- The next table compiles the contribution made by each project to the United Nations Sustainable Development Goals (SDG). This is assessed individually based on the specific features of each project as described in the sheets accompanying this report.
- For each project, the main Sustainable Development Goal is identified by **highlighting colour**.
- The projects have been assessed with respect to eleven goals out of seventeen (see Appendix 1.2 of this report [page 94]).
- The graph opposite indicates the scale of financing the main SDG by projects presented within in this report. It also highlights that financing allocated to SDG 11 "Sustainable cities and communities" dominates, which is consistent with both the nature of the Île-de-France Region as a regional authority and its predominantly urban character.

FUNDING OF MAIN SDGS (€M)



| GREEN PROJECTS CATEGORIES | Project Name | 1 NO POVERTY | 4 QUALITY EDUCATION | 6 CLEAN WATER AND SANITATION |
|---|---|--------------|---------------------|------------------------------|
| | | Icon | Value | Value |
| GREEN PROJECTS CATEGORIES | New high school at Corneilles-en-Parisis | | 4.1 | 6.5 |
| | Albert Camus high school in Bois-Colombes | | 4.1 | 6.5 |
| | Eugène Ronceray high school in Bezons | | 4.1 | 6.5 |
| | Georges Brassens high school in Villeneuve-le-Roi | | 4.1 | 6.5 |
| | Pierre Mendès-France high school at Ris-Orangis | | 4.1 | 6.5 |
| | La Contemporaine (Contemporary International Documentation Library) | | 4.1 | 6.5 |
| | Ecole des Hautes Etudes en Sciences Sociales | | 4.1 | |
| | "Première pierre" building in Serris (Val d'Europe) | | 4.1 | 6.5 |
| | Grand Espace Documentaire - Campus Condorcet | | 4.1 | |
| | Conservatoire National des Arts et Métiers (CNAM) - LANDY 2 | | 4.1 | 6.5 |
| | Conservatoire National des Arts et Métiers (CNAM) - SYNERGIE 2 | | 4.1 | |
| | Subway line 4 | | | 6.5 |
| | Subway line 11 | | | |
| | Tramway line T4 | | | |
| | Tramway line T9 | | | |
| Tramway line T12 | | | 6.5 | |
| EOLE | | | | |
| T ZEN 4 | | | | |
| Geothermal drilling at the Dogger | | | | |
| Extension of the geothermal heating network | | | | |
| Installation of photovoltaic shades | | | | |
| Reopening and renaturation of the Bievre river at the Parc du Coteau | | | 6.6 | |
| Restoration of the banks of the Marne, the stream of Bras St Père and associated spaces | | | 6.6 | |
| SOCIAL PROJECTS CATEGORIES | Charlotte Perriand Residence | 1.b | | |
| | Renovation of the football club training centre - RED STAR | | | 6.4 |
| | Centre de Ressources, d'Expertise et de Performance Sportive (CREPS) | | | 6.4 |
| | Development of the Corniche-des-Forts leisure island | | | 6.6 |
| | Support for the activity of the Association for the Right to Economic Initiative (Adie) | 1.b | | |

| 7 AFFORDABLE AND CLEAN ENERGY | 8 DECENT WORK AND ECONOMIC GROWTH | 9 INDUSTRIAL INNOVATION AND INFRASTRUCTURE | 10 REDUCED INEQUALITIES | 11 SUSTAINABLE CITIES AND COMMUNITIES | 12 RESPONSIBLE CONSUMPTION AND PRODUCTION | 13 CLIMATE ACTION | 15 LIFE ON LAND | IMPACT INDICATOR OF THE MAIN SDG | |
|-------------------------------|-----------------------------------|--|-------------------------|---------------------------------------|---|-------------------|-----------------|--|---------|
| | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 20 |
| | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 22 |
| | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 24 |
| | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 26 |
| 7.2 | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 28 |
| 7.2 | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 30 |
| | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 32 |
| | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 34 |
| | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 36 |
| | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 38 |
| | 8.6 | 9.1 | 10.3 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 40 |
| | 8.3 | 9.1 | 10.2 | 11.2 | 12.7 | 13.2 | | CO ₂ emissions avoided by the project | page 44 |
| | 8.3 | 9.1 | 10.2 | 11.2 | 12.7 | 13.2 | | CO ₂ emissions avoided by the project | page 46 |
| | 8.3 | 9.1 | 10.2 | 11.2 | 12.7 | 13.2 | 15.1 | CO ₂ emissions avoided by the project | page 48 |
| | 8.3 | 9.1 | 10.2 | 11.2 | 12.7 | 13.2 | | CO ₂ emissions avoided by the project | page 50 |
| | 8.3 | 9.1 | 10.2 | 11.2 | 12.7 | 13.2 | | CO ₂ emissions avoided by the project | page 52 |
| | 8.3 | 9.1 | 10.2 | 11.2 | 12.7 | 13.2 | | CO ₂ emissions avoided by the project | page 54 |
| | 8.3 | 9.1 | 10.2 | 11.2 | 12.7 | 13.2 | 15.1 | CO ₂ emissions avoided by the project | page 56 |
| 7.2 | 8.4 | 9.1 | | 11.3 | 12.7 | 13.2 | | CO ₂ emissions avoided by the project | page 60 |
| 7.2 | 8.4 | 9.1 | | 11.3 | 12.7 | 13.2 | | CO ₂ emissions avoided by the project | page 62 |
| 7.2 | 8.4 | 9.1 | | 11.3 | 12.7 | 13.2 | | CO ₂ emissions avoided by the project | page 64 |
| | | | | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 68 |
| | | | | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 70 |
| 7.1 | | 9.1 | 10.3 | 11.1 | 12.7 | 13.2 | | Number of beneficiaries | page 74 |
| | | | | 11.3 | 12.7 | 13.2 | | Number of beneficiaries | page 82 |
| 7.2 | | 9.1 | 10.2 | 11.3 | 12.7 | 13.2 | | Number of beneficiaries | page 84 |
| | | | 10.2 | 11.3 | 12.7 | 13.2 | 15.1 | Number of beneficiaries | page 86 |
| | 8.3 | | 10.2 | 11.a | 12.7 | | | Number of beneficiaries | page 90 |

GREEN BUILDINGS

Construction and renovation of buildings according to a sustainable development approach, contributing to respect for the environment and accessibility for persons with reduced mobility.

The Region has adopted a new provisional investment programme for secondary schools in consultation with the local education authorities and communities in the Ile de France region. There will be a doubling of resources for secondary education, in order to reflect demographic changes and new school dynamics: an additional 90,000 secondary school pupils are expected in Ile de France between 2012 and 2030, reflecting the region's growth.

The priority environmental objectives for forthcoming new construction projects will focus on bioclimatic design and energy management; site biodiversity and water management; air quality and acoustics; the reduction in the disruption caused by construction sites and waste management.

- Development of sector-specific technical guidelines for sustainable development, which constitute regional guides to include sustainable development concerns in projects.
- **Region's jurisdiction:** mandatory for secondary schools, projects in the framework of State-Region relations with regard to higher education.
- **Form of interventions:**
 - **Secondary schools:** contracting authority with representative,
 - **Higher education:** subsidy or direct contracting authority,.
- **Target audience:** secondary school pupils, students, teachers, researchers..

NEW HIGH SCHOOL AT CORMEILLES-EN-PARISIS

NEW PROJECT

New secondary school and boarding school construction projects



| | |
|--|--|
| Purpose | New build |
| Location | Cormeilles en Paris |
| Key dates | Project management competition in 2018, Studies in 2019, Calls for tenders for work in 2020, Work in progress since late 2020. |
| Total project cost | €43.8 million |
| Financing by the Region in the total amount of the project | 100,0% |
| 2021 financing through green and sustainable bonds | €11.8 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The operation consists in the construction of a new general and technological secondary school with 1200 places in the municipality of Cormeilles-en-Parisis. The establishment will comprise:
 - general teaching centre for 910 pupils, divided into 26 classes,
 - a technological teaching centre (STMG - Management and business science and technology) for 140 pupils in 4 classes,
 - a technological higher education offer (BTS and CPGE) with 70 pupils in 2 classes for the BTS SIO (IT) and 96 pupils in 2 classes for the CPGE (preparatory class for the Grands Ecoles).
- Just over 70% of the educational structure is therefore dedicated to general education, responding to a need in the catchment area.
- The project to build the secondary school is on a vacant plot of land of approximately 20,000 m² in the Battiers Ouest development zone which includes the following other constructions:
 - a music and dance school under the contracting authority of the town of Cormeilles,

- a sports hall within a sports centre,
- a youth centre..

- The desired environmental objectives are based on the regional planning tools (green plan, Let's Change the Air plan, etc.) and on the regulations in force. The energy 3 and carbon 1 level (E3C1) will be achieved, as will level 1 for the bio-based building label, built on an overall environmental approach on the themes of water management, energy, air quality, acoustics and maintenance.

► PROJECT LIFECYCLE

- Work began in early 2020 and continued in 2021 with the aim of welcoming the first pupils for the start of academic year in September 2022.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|-----------------------------|---------------------|
| Inclusion FTE supported by the project | 6 FTEs | B |
| Number of project beneficiaries | 1 200 pupils | D-1 |
| CO ₂ emissions avoided by the project | 55 CO ₂ teq/year | E-1 |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • Specification defining the environmental requirements. • "Minimal nuisance worksite" charter: many goals for limiting nuisances in the environment, with in particular waste traceability and a minimum recovery requirement of 70% by mass (demolition + construction). • Environmental monitoring of each phase by a specialist assistant to the contracting authority. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> • Achievement of level E3C1 (Energy 3 and Carbon 1) designed to reduce greenhouse gas emissions. • Limited flows for plumbing facilities (taps, WC, urinals). The desired objective for drinking water consumption to be less than 3 m³/pupil per year is respected. • Rainwater from the secondary school roof is directed to a 50 m³ rainwater collection tank which can be used to supply a large part of the sanitary requirements (WC and urinals) and watering for the project and allow a drinking water saving assessed at 826.4 m³/year. • Use of bio-based materials (level 1 of the bio-based building label: 18kg/m² is achieved) |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> • Rainwater management on the plot (presence of ditches, retention basin and infiltration basin). The maximum leakage rate of 2l/s/ha is complied with. • Green roofs for the most part, in order to be integrated as much as possible in the heavily vegetated context. • Volume of land reused on site represents over 2,500 m³. • Replanting of a protected species ("field marigold") on another site in close proximity before the completion of the work. • Over 100 trees are planted as part of the project, although the land was a wasteland. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> • Accessibility for people with disabilities to all establishments open to the public. |
| Respect for fundamental rights | <ul style="list-style-type: none"> • Combating social, school and territorial inequalities. |
| Responsible regional development | <ul style="list-style-type: none"> • Streams contributing to provide diversified and quality training in the region. |
| Regional economic development | <ul style="list-style-type: none"> • Support for employment during construction, support for integration employment and recruitment of reception, maintenance, catering and accommodation staff within the school. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • Application of the public procurement contract code by the project's representative. • Requirements on the choice of construction products (to save on natural resources, etc.). |
| Promoting suitable consultation with internal and external stakeholders. | <ul style="list-style-type: none"> • Information and consultation procedure extended to the entire school community. • Public meetings during the major phases of the operation. |

ALBERT CAMUS HIGH SCHOOL IN BOIS-COLOMBES

NEW PROJECT

Secondary school renovation project



| | |
|--|--|
| Purpose | Total renovation and extension of the capacity by 400 places |
| Location | Bois-Colombes |
| Key dates | Project management competition in 2015-2016 Studies in 2017 to 2019 Call for tenders for work late 2020 - early 2021 Work in progress since mid-2021. |
| Total project cost | €53.7 million |
| Financing by the Region in the total amount of the project | 100,0% |
| 2021 financing through green and sustainable bonds | €11.2 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The operation consists partly in the renovation of some of the existing buildings and the extension of these. It also provides for the establishment of a boarding school and the rebuilding of tied housing.
- The operation takes place while keeping pupils on site, therefore using a "staggered" operation and setting up temporary chalets on the adjoining sports field.
- Eventually, the educational structure will bring the total school population to 1,470 pupils across 42 classes, which is an additional 420 places compared to the theoretical capacity before the work.
- The desired environmental objectives are based on the regional planning tools (green plan, Let's Change the Air plan, etc.) and on the regulations in force. The achievement of energy objectives such as low consumption in the restructured buildings (80kWh/m² net floor area) and in the new buildings for the extension and the boarding school (50kWh/m² net floor area), built on a comprehensive environmental approach on the themes of water management, energy, air quality, acoustics and maintenance, make it possible to achieve high standards in terms of bioclimatic design.

► PROJECT LIFECYCLE

- Work started in mid-2021, with the creation of a temporary secondary school to free up space at the start of the late October holidays 2021 and thus begin the renovation work.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|--------------------------------|---------------------|
| Inclusion FTE supported by the project | 1 FTE | B |
| Number of project beneficiaries | 1,470 pupils + 100 boarders | D-1 |
| CO ₂ emissions avoided by the project | 48,96 CO ₂ teq/year | E-1 |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • Specification defining the environmental requirements. • Minimal nuisance worksite" charter: many goals for limiting nuisances in the environment, with in particular waste traceability and a minimum recovery requirement of 70% by mass (demolition + construction). • Environmental monitoring of each phase by a specialist assistant to the contracting authority. • Specification defining the environmental requirements. • "Minimal nuisance worksite" charter: many goals for limiting nuisances in the environment, with in particular waste traceability and a minimum recovery requirement of 70% by mass (demolition + construction). • Environmental monitoring of each phase by a specialist assistant to the contracting authority. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> • Achievement of the energy objective: low consumption in the restructured buildings (80kWh/m² net floor area) and in the new buildings for the extension and the boarding school (50kWh/m² net floor area). These objectives are designed to reduce greenhouse gas emissions. • Limited flows for plumbing facilities (taps, WC, urinals). • Rainwater recovery in a 30 m³ tank which can be used to supply a large part of the sanitary requirements (WC and urinals) and watering for the project and allow a drinking water saving assessed at 1,100 m³/year. • Green roofs for the most part, in order to be integrated as much as possible in the heavily vegetated context. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> • Rainwater management on the plot (presence of ditches, retention basin and infiltration basin). The maximum leakage rate of 2l/s/ha is complied with. • Maintenance of composters already implemented |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> • Accessibility for people with disabilities to all establishments open to the public. |
| Respect for fundamental rights | <ul style="list-style-type: none"> • Combating social, school and territorial inequalities. |
| Responsible regional development | <ul style="list-style-type: none"> • Streams contributing to provide diversified and quality training in the region. • Availability of a boarding school on the site ensures wide geographical recruitment of pupils. |
| Regional economic development | <ul style="list-style-type: none"> • Support for employment during construction, support for integration employment and recruitment of reception, maintenance, catering and accommodation staff within the school. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • Application of the public procurement contract code by the project's representative. • Requirements on the choice of construction products (to save on natural resources, etc.). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> • Information and consultation procedure extended to the entire school community. • Public meetings during the major phases of the operation. |

EUGÈNE RONCERAY HIGH SCHOOL IN BEZONS NEW PROJECT

Secondary school renovation project



| | |
|---|--|
| Purpose | Total renovation and creation of a boarding school with 100 places |
| Location | Bezons |
| Key dates | Project management competition in 2015-2016 Studies in 2017 Calls for tenders for work in 2018 Work in progress since early 2019. |
| Total project cost | €64.4 million |
| Financing by the Region in the total amount of the project | 100,0% |
| 2021 financing through green and sustainable bonds | €20.5 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The operation is aimed at the total redesign of the site including the restructuring of the main building and its extension, the demolition of the workshops and the accommodation building, the renovation of the sports hall and the creation of a 100-place boarding school, a separate day boarding school and a new accommodation building. The surface areas to be created represent approximately 18,000 m² (floor area). Accesses will be reviewed in line with the landscaped avenue towards the banks of the Seine created by the town in 2013.
- The secondary school site will be comprised of 5 independent establishments separate from a fire safety perspective, on a completely redeveloped plot of land with a new arrangement for the sports field and outdoor areas. The school population will be around 1,048 pupils across 42 classes. The 5 buildings will be identified as follows:
 - Building A: the education building which will accommodate the general and tertiary/hospitality technological education which will be renovated and extended,
 - Building B: the day boarding school (new building),
 - Building C: the boarding school (new building),
 - Building D: the sports hall (renovation of existing sports hall),
 - Building E: 10 tied housing units.

- The desired environmental objectives are based on the regional planning tools (green plan, Let's Change the Air plan, etc.) and on the regulations in force. The achievement of energy objectives such as low consumption in the restructured buildings (80kWh/m² net floor area) and in the new buildings (50kWh/m² net floor area), built on a comprehensive environmental approach on the themes of water management, energy, air quality, acoustics and maintenance, make it possible to achieve high standards in terms of bioclimatic design.

► PROJECT LIFECYCLE

- The work began in early 2019 and the first phases of work have been finalised, notably with the opening of the day boarding school and boarding school to the public for the start of the 2021 academic year and the opening of the building extension in the first half of 2022. The work continues with all phases scheduled to finish in 2024.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|-------------------------------|---------------------|
| Inclusion FTE supported by the project | 15 FTEs | B |
| Number of project beneficiaries | 1050 pupils + 100 internes | D-1 |
| CO ₂ emissions avoided by the project | 157 CO ₂ teq/year | E-1 |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Specification defining the environmental requirements. "Minimal nuisance worksite" charter: many objectives for limiting nuisances in the environment, with in particular waste traceability and a minimum recovery requirement of 70% by mass (demolition + construction). Environmental monitoring of each phase by a specialist assistant to the contracting authority. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Achievement of the energy objective: low consumption in the restructured buildings (80kWh/m² net floor area) and in the new buildings (50kWh/m² net floor area). These objectives are designed to reduce greenhouse gas emissions. The boarding school is equipped with a heat recovery system in the grey water. Limited flows for plumbing facilities (taps, WC, urinals). Rainwater recovery in a 40 m³ tank which can be used to supply over 25% of the daily requirements. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Installation of an 800-litre compost area for the day boarding school. Rainwater management on the plot (presence of ditches, retention basin and infiltration basin). The maximum leakage rate of 2l/s/ha is complied with. Green roofs implemented. Large planted surfaces: the site's edges, car park and private gardens, rustic lawn inside the athletics track. The species planted will be local (from the Seine Valley) and low-allergenic. Establishment of wetlands and dry topographic elevations on the fitness trail. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Accessibility for people with disabilities to all establishments open to the public. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Combating social, school and territorial inequalities. |
| Responsible regional development | <ul style="list-style-type: none"> Streams contributing to provide diversified and quality training in the region. Availability of a boarding school on the site ensures wide geographical recruitment of pupils. |
| Regional economic development | <ul style="list-style-type: none"> Support for employment during construction, support for integration employment and recruitment of reception, maintenance, catering and accommodation staff within the school. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Application of the public procurement contract code by the project representative. Requirements on the choice of construction products (to save on natural resources, etc.). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Information and consultation procedure extended to the entire school community. Public meetings during the major phases of the operation. |

GEORGES BRASSENS HIGH SCHOOL IN VILLENEUVE-LE-ROI

NEW PROJECT

Secondary school renovation project



| | |
|---|--|
| Purpose | Reconstruction on site |
| Location | Villeneuve-le-Roi |
| Key dates | Project management competition in 2018 Studies in 2019 Calls for tenders for demolition in 2019 Calls for tenders for work in 2020 Work in progress since mid-2019 (asbestos disposal and demolition) and early 2021 (reconstruction). |
| Total project cost | €73.1 million |
| Financing by the Region in the total amount of the project | 100,0% |
| 2021 financing through green and sustainable bonds | €21.5 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The regional Gorges Brassens school complex based in Villeneuve le Roi was constructed in the 1960s. It is on the edge of a development area.
- The mixed Georges Brassens complex was composed of 5 buildings (administration/accommodation, secondary school, college, day boarding school/information and documentation centre and sports hall). These buildings were showing severe deterioration and had many non-conformities. This is why a total restructuring of the site was chosen. The major objective underlying this total restructuring of the site is to split the college and the secondary school and create two autonomous and independent schools.
- The extension and restructuring operation for the Georges Brassens secondary school is supported by the Île-de-France region which wants to provide a secondary school with the capacity for 1,200 pupils, a day boarding school, the extension of the sports hall and outdoor sports facilities.

- This operation therefore includes:
 - The demolition of building A "administration/accommodation" with a net floor area of approximately 1,621 m² from which the asbestos will be removed before it is demolished.
 - The construction of several extensions with a total surface area of nearly 6,000 m².
 - The complete restructuring of certain elements.
 - La restructuration complète de certains éléments.
- Let's Change the Air plan, etc.) and on the regulations in force. The energy 2 and carbon 1 level (E2C1) will be achieved, as will level 1 for the bio-based building label, built on an overall environmental approach on the themes of water management, energy, air quality, acoustics and maintenance.

► PROJECT LIFECYCLE

- Demolition was completed from mid-2019 to 2021 with the reconstruction starting subsequently.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|-------------------------------|---------------------|
| Inclusion FTE supported by the project | 3 FTEs | B |
| Number of project beneficiaries | 1,200 pupils | D-1 |
| CO ₂ emissions avoided by the project | 10.2 CO ₂ teq/year | E-1 |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Specification defining the environmental requirements. "Minimal nuisance worksite" charter: many goals for limiting nuisances in the environment, with in particular waste traceability and a minimum recovery requirement of 50% by mass (demolition + construction). Environmental monitoring of each phase by a specialist assistant to the contracting |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Achievement of level E2C1 (Energy 2 and Carbon 1) designed to reduce greenhouse gas emissions. Installation of a thermodynamic balloon. Rainwater from the roof of the reception building is directed to a 40 m³ rainwater collection tank which can be used to supply a large part of the sanitary requirements (WC and urinals). Green roofs for the most part, in order to be integrated as much as possible in the heavily vegetated context. Use of bio-based materials (level 1 of the bio-based building label: 18kg/m² is achieved) Nearly 10% of the soil excavated is reused on site. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Rainwater management on the plot (presence of ditches, open air pool). The maximum leakage rate of 2l/s/ha is complied with. The fact that the operation is carried out on partially flooded land is taken into account. Improved permeability of the ground with a 10% reduction in the initial sealing coefficient. Completion of a 4 season diagnosis that identified the absence of protected species on the site. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Accessibility for people with disabilities to all establishments open to the public. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Combating social, school and territorial inequalities. |
| Responsible regional development | <ul style="list-style-type: none"> Streams contributing to provide diversified and quality training in the region. |
| Regional economic development | <ul style="list-style-type: none"> Support for employment during construction, support for integration employment and recruitment of reception, maintenance, catering and accommodation staff within the school. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Application of the public procurement contract code by the project representative. Requirements on the choice of construction products (to save on natural resources, etc.). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Information and consultation procedure extended to the entire school community. Public meetings during the major phases of the operation. |



PIERRE MENDES-FRANCE HIGH SCHOOL AT RIS-ORANGIS

NEW PROJECT

Secondary school renovation project



| | |
|---|---|
| Purpose | Total renovation and 600-place extension |
| Location | Ris-Orangis |
| Key dates | Project management competition in 2017 Studies in 2018-2019 Calls for tenders for work in 2020 Work in progress since late 2020. |
| Total project cost | €47 million |
| Financing by the Region in the total amount of the project | 100,0% |
| 2021 financing through green and sustainable bonds | €16.1 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The operation involves the transformation of a vocational secondary school into a multi-purpose secondary school, doubling the school population which will rise from 600 pupils to 1,200.
To do this requires approximately:
 - 6,000 m² of demolition,
 - 8,500 m² of new builds: approximately 8,500 m²,
 - 1,550 m² of restructuring, approximately 1,546 m²,
 - 3,800 m² of renovation (Building B).
- The desired environmental objectives are based on the regional planning tools (green plan, Let's Change the Air plan, etc.) and on the regulations in force. The energy 3 and carbon 1 level (E3C1) will be achieved, as will level 1 for the bio-based building label, built on an overall environmental approach on the themes of water management, energy, air quality, acoustics and maintenance.

► PROJECT LIFECYCLE

- Work started in 2020, with the creation of a 3,500 m² temporary secondary school and the related roads and service developments (roads and parking) delivered in November 2020. Work on the total renovation of the secondary school was then able to start following this delivery with a delivery objective for the new building in 2022, before finalising the renovation of building B and the outdoor spaces in 2023.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|-----------------------------|---------------------|
| Inclusion FTE supported by the project | 2 FTEs | B |
| Number of project beneficiaries | 1,200 pupils | D-1 |
| CO ₂ emissions avoided by the project | 90 CO ₂ teq/year | E-1 |



JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Specification defining the environmental requirements. "Minimal nuisance worksite" charter: many goals for limiting nuisances in the environment, with in particular waste traceability and a minimum recovery requirement of 70% by mass (demolition + construction). Environmental monitoring of each phase by a specialist assistant to the contracting authority. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Achievement of level E3C1 (Energy 3 and Carbon 1) designed to reduce greenhouse gas emissions. Installation of a collective thermal solar facility for accommodation. Installation of photovoltaic panels on the roof of the maintenance building. Limited flows for plumbing facilities (taps, WC, urinals). Use of bio-based materials (level 1 of the bio-based building label: 18kg/m² is achieved). |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Rainwater management on the plot (presence of ditches, retention basin and infiltration basin). The maximum leakage rate of 2l/s/ha is complied with. Green roofs deployed on new buildings. Implementation of permeable surfaces on the playgrounds. Creation of 3 specific collection areas for green waste. The footprint of the constructed buildings is largely based on the demolished buildings, to limit the impact on the flora. The species used in the landscaped areas of the site are mostly native plants adapted to the site's climatic conditions. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Accessibility for people with disabilities to all establishments open to the public. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Combating social, school and territorial inequalities. |
| Responsible regional development | <ul style="list-style-type: none"> Streams contributing to provide diversified and quality training in the region. |
| Regional economic development | <ul style="list-style-type: none"> Support for employment during construction, support for integration employment and recruitment of reception, maintenance, catering and accommodation staff within the school. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Application of the public procurement contract code by the project representative. Requirements on the choice of construction products (to save on natural resources, etc.). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Information and consultation procedure extended to the entire school community. Public meetings during the major phases of the operation. |

LA CONTEMPORAINE (CONTEMPORARY INTERNATIONAL DOCUMENTATION LIBRARY)

Higher education construction project



| | |
|--|--|
| Purpose | New build |
| Location | Nanterre |
| Key dates | Work in progress - Delivery of work scheduled for 1st quarter 2021 |
| Total project cost | €29.5 million |
| Financing by the Region in the total amount of the project | 34,0% |
| 2021 financing through green and sustainable bonds | €2 million |

History of project financing by the Region's previous green and sustainable bonds



► QUALITATIVE PRESENTATION OF THE PROJECT

- The Contemporary International Documentation Library (Bibliothèque de Documentation Internationale Contemporaine- BDIC) is a reference institution in modern history, a veritable historical memory of the 20th and 21st centuries. Its contents are renowned for their wealth in the field of international relations. Until now it was based across two separate sites: the library and archives on the Nanterre campus and the museum within the Hôtel National des Invalides in Paris.
- The construction of the Contemporary International Documentation Library is supported by the State, which is the contracting authority for it. The estimated budget amounts to a total expenditure of €29.5 million. Funding under the State-Region Plan Contract is borne by the State (€15.8 million), the Region (€10 million), the University (€2.3 million) and the CDC (€1.4 million). The BDIC is an inter-university library, administratively attached to the Université de Paris Ouest Nanterre La Défense (UPOND).
- The jury in charge of selecting the project manager, met in April 2016 and selected the architect Bruno Gaudin as project manager for

the completion of the studies and follow-up of this operation. This new building, of 5,031 m² net usable area, is built near the Nanterre Université RER station. It brings together all the services of the BDIC, particularly those intended for the public and will ensure suitable storage conditions for the heritage collections (museum works and archives).

- Designed by the Bruno Gaudin agency, the project has brought together all the collections and enhanced its openness to the general public targeting 25,000 visitors a year. A permanent exhibition space has been created. The consultation areas can be used to accommodate approximately 180 people at the same time, which is an increase of 50%.

► PROJECT LIFECYCLE

- Work delayed by the health crisis.
- At this stage: opening to the public in October 2021.
- To come: financial balance and closure

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|------------------------------|---------------------|
| Worksite FTE supported by the project | 87 FTEs | A-1 |
| Number of project beneficiaries | 25,000 | D-11 |
| CO ₂ emissions avoided by the project | 113 CO ₂ teq/year | E-4 |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Assistance to the contracting authority to develop and monitor the environmental programme incorporating sustainable development skills and project management specialising in sustainable development. Dashboard of environmental requirements, derived from a regional guide in terms of sustainable development and construction, updated for each project phase: design, creation and operation. Broader environmental approach: energy, indoor air quality, natural lighting in corridors, action on overall cost and overall assessment at the end of the operation, waste management. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Optimisation of the bioclimatic design. Suitable ventilation with flow higher than regulatory requirements. Category A+ materials in contact with indoor air. Effnergie+ certification label level targeted: RT 2012 -30%. Reduction in grey energy. Equivalent CO₂ emissions are calculated to compared the different construction variants. The life cycle analysis of the building in its entirety carried out in the PROJECT phase. Green construction site charter limiting sources of nuisance and overall assessment at the end of the operation. Use of geothermal energy. Limitation of the urban heat island. Alternative rainwater management. Project located near to the "Nanterre University" RER station. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Territorial rebalancing of the offer in the field of higher education and research. Possibility of walking across the plot and priority given to pedestrian paths. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Opening of the BDIC to all audiences and particularly the local population with specific actions for this audience. Some of the design project materials could come from "recycling depots" such as the Réserve des Arts. The museum programming team includes a disability specialist. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Improved working conditions for PhD students and researchers by offering them dedicated documentation areas. |
| Responsible regional development | <ul style="list-style-type: none"> Implementation of professional integration jobs in the operation phase (not quantified). |
| Regional economic development | <ul style="list-style-type: none"> The operation represents 87 jobs for the construction phase. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Requirements on the choice of construction products (to save on natural resources, CO₂ emissions, etc.). Requirements on the source of materials (limitation of grey energy). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Ongoing consultation with future users (BDIC) and the UPOND university. Personal log book, user awareness. |

ECOLE DES HAUTES ETUDES EN SCIENCES SOCIALES - CONDORCET CAMPUS

Higher education construction project



| | |
|---|---|
| Purpose | New build |
| Location | Campus Condorcet - Aubervilliers |
| Key dates | Work in process - Delivery scheduled for 2nd quarter 2021 |
| Total project cost | €38.8 million |
| Financing by the Region in the total amount of the project | 100,0% |
| 2021 financing through green and sustainable bonds | €2.1 million |



► QUALITATIVE PRESENTATION OF THE PROJECT

- The construction of the EHESS research building is supported by the Ile de France Region which is the contracting authority and provides 100% of the financing. Like the Large Documentation Facility, this operation is an integral part of the Condorcet Campus development project, supported by the Condorcet Campus public institution (EPCC).
- The Pierre-Louis FALOCI architecture agency was appointed as authorised project manager for conducting the studies and monitoring this operation. The building, with a surface floor area of 8,760 m², is developed over seven floors. It has a triangular shape, which marries with the form of the land and wraps around a tiered patio.

- The project is used to accommodate eight research centres, including for example, the Study Centre for India and Southern Asia, the China-Korea-Japan Research Centre. The buildings will welcome over 900 people, researchers, PhD students and administrative personnel.

► PROJECT LIFECYCLE

- At this stage: Delivery of the building took place on 30 June 2021. Users gradually took possession of it from 8 July 2021. The reservations on acceptance were lifted.
- To come: handover of the building to the State.

► IMPACT INDICATORS

| Indicator | Impact | Methodological note |
|--|--------------------------------|---------------------|
| Worksite FTE supported by the project | 101 FTEs | A-1 |
| Inclusion FTE supported by the project | 6 FTEs | B |
| Number of project beneficiaries | 16,966 | D-11 |
| CO ₂ emissions avoided by the project | 44,30 CO ₂ teq/year | E-2 |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Assistance to the contracting authority to develop and monitor the environmental programme from scheduling until 1 year after the delivery of the building. Broader environmental approach: grey energy, indoor air quality, autonomy in natural light, bio-based materials. Green site charter limiting nuisances. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Ambition in the energy field beyond the regulatory obligations, which is to seek "Effnergie+" level, which represents a 20% reduction in consumption. Non-pollutant and low VOC emitting materials used, heavy use of wood from sustainable managed forests (126,000 dm³ which is 13 dm³/m²). Absence of air conditioning and natural nocturnal ventilation. Strong plant presence with the development of 700 m² of green spaces, 1,000 m² of green roofs on 30 cm of open ground, used for effectively combating heat islands. Project located near to the "Front Populaire" metro station. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Territorial rebalancing of the offer in the field of higher education and research. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Creation of 17,000 professional insertion hours (which is the full-time equivalent of 6 jobs). Allocation of work contracts facilitating access to public procurement for SMEs-VSEs. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Improved working conditions for PhD students by offering them dedicated spaces. |
| Responsible regional development | <ul style="list-style-type: none"> Implementation of integration jobs. |
| Regional economic development | <ul style="list-style-type: none"> The operation represents 101 jobs for the construction phase. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Requirements on the choice of construction products (to save on natural resources, CO₂ emissions, etc.). Requirements on the source of materials (limitation of grey energy). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Ongoing consultation with future users (EHESS) and the regional authorities. Resident information on the Campus development through local authorities and the Condorcet Campus Public Institution. |

“PREMIÈRE PIERRE” BUILDING IN SERRIS (VAL D’EUROPE)

Higher education construction project

NEW PROJECT



| | |
|--|-------------------|
| Purpose | New build |
| Location | Serris (77) |
| Key dates | Work consultation |
| Total project cost | €35.13 million |
| Financing by the Region in the total amount of the project | 85% |
| 2021 financing through green and sustainable bonds | €4.1 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The construction of the building is supported by the Ile de France Region which is the contracting authority and provides the financing;
- The Aline and Jean Harari architecture agency was appointed as authorised project manager for conducting the studies and monitoring this operation.
- Designed by Jean Harari, the project is part of the Ile de France Sustainable Building approach. It provides for the significant presence of vegetation (roof, courtyard planted in open ground), rainwater recovery, the widespread use of wood (structural) and the implementation of reclaimed brick. Bio-based insulations are planned.
- The future building will house a teaching and research centre in the field of tourism and will incorporate the Ile de France Institute for Service Engineering (Institut Francilien d'Ingénierie des Services) currently accommodated by Val d'Europe in the Erasme building since its creation in 2002. It will welcome 1,500 students.

► PROJECT LIFECYCLE

- At this stage: analysis of tenders in progress
- To come: decision on relaunching the consultation

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|-----------------------------|---------------------|
| Worksite FTE supported by the project | 89 FTEs | A-1 |
| Inclusion FTE supported by the project | 12 FTEs | B |
| Number of project beneficiaries | 801 | D-11 |
| CO ₂ emissions avoided by the project | 10 CO ₂ teq/year | E-2 |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • Assistance to the contracting authority to develop and monitor the environmental programme from scheduling until 1 year after the delivery of the building. • Environmental programme prioritising a passive approach to meet needs naturally. • Commitment to a "Ile de France Sustainable Building" approach and achievement of the Silver standard at the design stage. • Design favouring prefabrication, re-use (bricks, compost), scalability (convertible car park on the ground floor), recycled materials (aggregates for the screed). |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> • Ambition in the energy field beyond the regulatory obligations, which is a 20% reduction in consumption or even the passive level. • Integration of a Life Cycle Analysis for the building (objective level C1 or even C2) - at the preliminary design level, storage of 1.703 tonnes of CO₂. Achieve level 3 for the bio-based label. • Implementation of bio-based materials (wood wool insulation, external carpentry in wood) - Achieve level 3 for the bio-based label. • Rate of green spaces and permeability of at least 20%, green roofs with nesting boxes. • Recovery of rain water for watering the green spaces (99% coverage) and reduction in drinking water needs (<250l/m²/year). |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> • Territorial rebalancing of the offer in the field of education. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> • Creation of professional training hours (5% of hours created minimum). • Allocation of works contracts facilitating access to public procurement for SMEs-VSEs. • Accessibility for anyone with a disability and cleanroom with a reduction of EMF |
| Respect for fundamental rights | <ul style="list-style-type: none"> • Improved working conditions for students |
| Responsible regional development | <ul style="list-style-type: none"> • The project is intended to improve the qualifications of the region's populations in a sector lacking in the field of higher education. |
| Regional economic development | <ul style="list-style-type: none"> • The operation represents 89 jobs for the construction phase. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • Requirements on the choice of construction products (to save on natural resources, CO₂ emissions, etc.).. |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> • Ongoing consultation with future users (Gustave Eiffel University) and the regional authorities. |

GRAND ÉQUIPEMENT DOCUMENTAIRE - CAMPUS CONDORCET

Higher education construction project



| | |
|--|----------------------------------|
| Purpose | New build |
| Location | Campus Condorcet - Aubervilliers |
| Key dates | Delivery 8 March 2021 |
| Total project cost | €102.3 million |
| Financing by the Region in the total amount of the project | 100,0% |
| 2021 financing through green and sustainable bonds | €4.0 million |



► QUALITATIVE PRESENTATION OF THE PROJECT

- The construction of the Grand Espace Documentaire (Large Documentation Facility) is supported by the Ile de France Region which is the contracting authority and provides 100% of the financing. Like the School of Advanced Studies in the Social Sciences (EHESS), this operation is an integral part of the Condorcet Campus development project, supported by the Condorcet Campus public institution (EPCS).
- The Elisabeth de Portzamparc architecture agency was appointed as authorised project manager for conducting the studies and monitoring this operation. The building, with a surface floor area of 23,020 m², is developed over six floors plus a basement. The H-shaped building is structured around an atrium.

- The Large Documentation Facility, the heart of the Condorcet Campus, brings together collections currently spread between forty five separate libraries and will be a leading scientific facility for Ile-de-France researchers in Literature, Human and Social Sciences (LSHS) and beyond for all national research forces in human and social sciences.

► PROJECT LIFECYCLE

- Moving in of the DMS teams and gradual installation of the document collections.
- At this stage: opening of member establishments of the Condorcet Campus to researchers.
- To come: opening to all academic audiences in September 2022

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|------------------------------|---------------------|
| Worksite FTE supported by the project | 245 FTEs | A-1 |
| Inclusion FTE supported by the project | 17 FTEs | B |
| Number of project beneficiaries | 30 950 | D-11 |
| CO ₂ emissions avoided by the project | 285 CO ₂ teq/year | E-3 |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Assistance to the contracting authority to develop and monitor the environmental programme from scheduling until 1 year after the delivery of the building. Broader environmental approach: grey energy, indoor air quality, autonomy in natural light, bio-based materials. Green site charter limiting nuisances. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Optimisation of the bioclimatic design such as: BBIO ≤ BBIOMAX Non-pollutant and low VOC emitting (volatile organic compounds) materials used. Absence of air conditioning and natural nocturnal ventilation. Strong plant presence with the planting of terraces and the presence of gardens to the north and south of the building used for effectively combating heat islands. Project located near to the "Front Populaire" metro station. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Territorial rebalancing of the offer in the field of higher education and research. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Creation of 44,200 professional insertion hours including 5,000 as part of the project management (which is the full-time equivalent of 16.5 jobs). |
| Respect for fundamental rights | <ul style="list-style-type: none"> Combating social, school and territorial inequalities. Improved working conditions for PhD students and researchers by offering them dedicated documentation areas. |
| Responsible regional development | <ul style="list-style-type: none"> Implementation of integration jobs. |
| Regional economic development | <ul style="list-style-type: none"> The operation represents 245 jobs for the construction phase. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Requirements on the choice of construction products (to save on natural resources, CO₂ emissions, etc.). Requirements on the source of materials (limitation of grey energy). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Ongoing consultation with future users (EPCS) and the regional authorities. Resident information on the Campus development through local authorities and the Condorcet Campus Public Institution. |



CONSERVATOIRE NATIONAL DES ARTS ET MÉTIERS (CNAM) - LANDY 2

Higher education construction project



| | |
|--|---|
| Purpose | New build |
| Location | Saint-Denis - Aubervilliers |
| Key dates | Construction phase started in March 2021 - Delivery scheduled for the 4th quarter of 2022 |
| Total project cost | €35.13 million |
| Financing by the Region in the total amount of the project | 85,0% |
| 2021 financing through green and sustainable bonds | €5.7 million |
| History of project financing by the Region's previous green and sustainable bonds | |



► QUALITATIVE PRESENTATION OF THE PROJECT

- The construction of the building is supported by the Ile de France Region which is the contracting authority and provides 85% of the financing.
- The TANK architecture agency was appointed as authorised project manager for conducting the studies and monitoring this operation. The building, with a mixed wood-concrete frame, is developed over three floors. An indoor garden is created along with two green links to the existing building.
- The project is used to develop the existing CFA for which it will eventually be an extension to accommodate over 1,000 trainees. In addition to the educational areas, a library and documentation centre, a 400-seat restaurant, administrative offices and server hosting are planned

► PROJECT LIFECYCLE

- At this stage: Worksite launched on 22 March 2021, earthworks completed, foundations 95% completed, 80% ground elevations, elevation of the wooden frame started
- To come: continuation of the structural work and wooden frame, launch of technical lots in 2022.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|-----------------------------|---------------------|
| Worksite FTE supported by the project | 89 FTEs | A-1 |
| Inclusion FTE supported by the project | 12 FTEs | B |
| Number of project beneficiaries | 801 | D-11 |
| CO ₂ emissions avoided by the project | 10 CO ₂ teq/year | E-2 |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Assistance to the contracting authority to develop and monitor the environmental programme from programming up to six months after the delivery of the building. Environmental programme prioritising energy efficiency, maintenance and durability of engineered structures. Green site charter limiting nuisances. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Ambition in the energy field beyond the regulatory obligations, which is a 30% reduction in consumption. Absence of air conditioning and natural nocturnal ventilation. Strong plant presence with the development of an indoor garden and a green roof used for effectively combating heat islands. Four parking spaces are reserved for electric vehicles, with charging points. A covered and secure bike shelter is created. Alternative rainwater management using ditches and a retention basin. Recovery for watering green spaces. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Creation of professional insertion hours. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Creation of professional insertion hours. Allocation of works contracts facilitating access to public procurement for SMEs-VSEs. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Improved working conditions for trainees by offering them dedicated spaces. |
| Responsible regional development | <ul style="list-style-type: none"> The project will enable the development of the CFA of the CNAM, both in terms of student capacity and new proposed curriculums. Given the institution's strong local roots, local populations, in particular young people, will be the initial beneficiaries of this project. The project is therefore intended to reinforce the qualifications of the region's populations. It also meets the skills requirements of local businesses |
| Regional economic development | <ul style="list-style-type: none"> The operation represents 89 jobs for the construction phase. Implementation of integration jobs.. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Requirements on the choice of construction products (to save on natural resources, CO₂ emissions, etc.). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Ongoing consultation with future users (CNAM) and the regional authority. |

CONSERVATOIRE NATIONAL DES ARTS ET MÉTIERS (CNAM) SYNERGIE 2

NEW PROJECT



Higher education construction project

| | |
|--|--|
| Purpose | New build |
| Location | Saint-Denis - Aubervilliers |
| Key dates | Construction phase started in September 2021 - Delivery scheduled for the 4th quarter of 2023 |
| Total project cost | €19 million |
| Financing by the Region in the total amount of the project | 90 % |
| 2018 financing through green and sustainable bonds | €3.6 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The construction of the building is supported by the Ile de France Region which is the contracting authority and provides financing, with a 10% contribution from the CNAM.
- GM Architecture architecture agency (Jean Guervilly and Françoise Mauffret) has been appointed as authorised project manager for conducting the studies and monitoring this operation. The building is based on land that was previously fully built on and provides a vegetated space to the south of the plot. It is developed over four floors.
- The project provides accommodation for the CNAM's biology laboratories, currently installed in unsuitable and dilapidated premises and teaching rooms. The building's architecture is simple, compact and functional. It satisfies the important technical requirements related to the activity of the busy laboratories and promotes the pooling of spaces and equipment.

► PROJECT LIFECYCLE

- At this stage:
 - Work launched on 13 September 2021;
 - Preparation of the ground and demolition. Start of the foundations from 21 March 2022, elevations in progress.
- To come: continuation of the structural work, launch of the technical lots at the end of 2022.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|--------------------------------|---------------------|
| Worksite FTE supported by the project | 52 FTEs | A-1 |
| Inclusion FTE supported by the project | 5 | B |
| Number of project beneficiaries | 181 | D-11 |
| CO ₂ emissions avoided by the project | 19.09 CO ₂ teq/year | E-2 |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Assistance to the contracting authority to develop and monitor the environmental programme from scheduling until 1 year after the delivery of the building. Environmental programme prioritising energy efficiency, maintenance and durability of engineered structures. Green construction site charter limiting sources of nuisance (biodegradable oil, prefabricated elements, recycling of site waste, etc.). |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Ambition in the energy field beyond the regulatory obligations, which is a 20% reduction in consumption/ RT 2012. Limiting coolant consumption. Production of a Life Cycle Analysis (LCA) for the project life cycle and its carbon impact. The level achieved at PRO stage is E2C1. Internal carpentry in wood. Plant presence with a green roof used for effectively combating heat islands. The project is served by public transport. A covered bike shelter is created with 18 parking spaces. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Territorial rebalancing of the offer in the field of education and research Reduction of the sealing of the territory with an unbuilt space left free. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Creation of professional insertion hours, in connection with the integration developers of Plaine Commune. Allocation of work contracts facilitating access to public procurement for SMEs-VSEs. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Improved working conditions for students and researchers. |
| Responsible regional development | <ul style="list-style-type: none"> The project will enable the development of 6 CNAM laboratories, both in terms of student capacity and accommodating new equipment. It therefore strengthens the research capacities in Ile de France and more specifically in Seine-Saint-Denis. Through its education component, the project is intended to improve the qualifications of the region's populations. |
| Regional economic development | <ul style="list-style-type: none"> The operation represents 52 jobs for the construction phase. The worksite is heavily divided to be accessible to local companies and even insertion companies providing jobs for the unemployed. Implementation of integration jobs. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Requirements on the choice of construction products (to save on natural resources, CO2 emissions, etc.). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Ongoing consultation with future users (CNAM) and the regional authority. |





CLEAN TRANSPORTATION



Development of the public transport supply as an alternative to using the automobile, contributing to sustainable mobility, to the fight against climate change, and projects to improve the comfort, accessibility and safety of public transport users and of people living nearby the infrastructures.

- **Leading transport policies in Ile-de-France**, Region Ile-de-France participates in defining the transport organisation schemes with Ile-de-France Mobilités, which is the authority that organises public transport in the Île-de-France. It co-finances large investment projects with its partners (such as State and General Councils).

- **The extension of a line 14 to the north towards Saint-Ouen**, financed by the green and sustainability bonds, is part of the network Greater Paris Express project.

- **Another emblematic major project, the extension of the line EOLE** to extend the RER E to the west of Ile-de-France, allowing for a new east-west connection for the region, passing through Magenta station in Paris.

SUBWAY LINE 4



Projects: subways

| | |
|---|--|
| Purpose | Extension to Bagneux (phase 2) |
| Locations | Montrouge et Bagneux |
| Key dates | Commencement of civil engineering work: 8 July 2015; Commissioning: January 2022 |
| Total project cost | € 307.1 million (phase 2) |
| Financing by the Region in the total amount of the project | 60,0% |
| 2021 financing through the green and sustainable bond | € 19 million |



► QUALITATIVE PRESENTATION OF THE PROJECT

- The extension of line 4 to Bagneux is a major issue for the mobility of Ile-de-France inhabitants to the south of Paris: it involves the second busiest Paris metro line in terms of ridership, used daily by 674,000 passengers, with 27 stations and a length of 10.6 km. It connects with all the other metro and RER [suburban train] lines (except 3bis and 7bis).
- Project that is part of an overall vision for development of the territories served by allowing the modal shift, the opening up of the territories and better access to mobility.
- Eco-design of the project when choosing the construction materials and techniques, and construction of new metro stations with a particular emphasis on energy management and savings (low consumption, recovery, renewables), the management and consumption of drinking water and the recovery of seepage water.

- Project falls within the State-Region Plan Contract (CPER).
- Partners involved: the contracting authority (RATP) and the other financing partners, (State and the Department of Hauts-de-Seine).

► PROJECT LIFECYCLE

- Continuation and finalization of civil works and track laying, dynamic tests and inauguration in 2022.

► IMPACT INDICATORS

| Indicator | Impact | Methodological note |
|--|------------------------------|---------------------|
| Worksite FTEs supported by the project | 2,180 FTEs | A-2 |
| Number of project beneficiaries | 755,800 | D-4 |
| CO ₂ emissions avoided by the project | 570 CO ₂ teq/year | E-3 |
| Internal project profitability rate | 10,8 % | F |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|--|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Preference for sustainable equipment and materials and for low energy consumption systems or that optimizes them: low consumption technologies, rainwater recovery. Objective of using devices that can support subsequent adjustments. Provisions that limit waste production during the work phase and optimize their management for reuse and recycling: The contractors working on the site will follow the specifications establishing the rules for the collection, storage, recycling and disposal of construction waste. They will raise their staff's awareness concerning proper waste management and the cleanliness of the site and its surroundings. |
| Combating climate change, and promoting the Region's environmental transition | <ul style="list-style-type: none"> An expected carryover from users of private cars to the subway, of about 4.5 million fewer vehicle-kilometres. Project that will reduce the costs related to the effects of pollution and the greenhouse gases of about 570 CO₂teq/year (CO₂ ton equivalents). Use of electrical energy for the project that will not contribute to air pollution and the greenhouse gases effect. |
| Sustainable regional planning and improving quality of life | <ul style="list-style-type: none"> 81,800 trips will be made on the extension of line 4 to the South of Paris (including 37,600 in phase 1), representing 22 million annual trips (10 million in phase 1). 41,400 inhabitants and jobs less than 600 meters from the future extension, of which 85% weren't previously served by any heavy mode of transit. The current users of public transportation will gain 10 minutes on average, and the carry-over for cars will be 5 minutes. <ul style="list-style-type: none"> The ridership will be made up of: <ul style="list-style-type: none"> 89 % of riders who previously used public transit, 6 % of riders who previously used private cars (modal carryover), 5 % of new trips or riders previously making their trip on foot (induced ridership). |
| Socially inclusive development, combating inequality, and promoting the safety of individuals | <ul style="list-style-type: none"> Accessibility of stations for persons with reduced mobility (PRM) from the roadways to the platforms by widened motorized passages or equivalent equipment as the future New Validation Passage (NPV) 90: elevators serving the roadway level, the platform level and, where appropriate, an intermediate level called "mezzanine". The project is in line with the fare structure in force for Ile-de-France, which is fixed by Ile-de-France Mobilités and which incorporates social fares financed by the Region to ensure access to mobility and public transport for the neediest. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Respect for fundamental rights of workers who worked on the construction site by addressing their safety and complying with health protection laws and regulations. |
| Responsible regional development | <ul style="list-style-type: none"> The municipality of Bagneux wishes to implement a high-quality urban planning project throughout the site to rehabilitate the entrance to the city, reinvigorate the economic and commercial functions and meet the needs of the inhabitants for equipment, housing and improvements to the living environment. The extension of line 4 to Bagneux (at the location called "the Subway Island") will also strongly reinforce the site's attractiveness.. |
| Regional economic development | <ul style="list-style-type: none"> Based on current estimates, the project is expected to create 2,180.4 FTEs on the worksite for phase 2 of the extension of line 4. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Subsidies from the Region granted to the contracting authorities that are themselves subject to the Public Procurement Code (Approval in financing agreement - Law No. 85-704 of 12 July 1985 as amended on the public contracting authority and its relationship with the private prime contractor). |
| Consultation with stakeholders | <ul style="list-style-type: none"> Prior consultation held in June/July 2001; public survey from 9 January to 10 February 2012. Establishment of information tools for neighbouring residents, shopkeepers and to monitor the work: brochures and information flyers, dedicated website. A community representative dedicated to dialogue with shopkeepers and residents during the construction phase. |



Proof of eligibility for TSC and DNSH available on the Region's website



Dedicated website: <http://www.prolongement-m4.fr/>

SUBWAY LINE 11

Projects: subways



| | |
|---|---|
| Purpose | Extension to Rosny-Bois-Perrier |
| Locations | Paris, Les Lilas, Romainville, Noisy-le-Sec, Rosny-sous-Bois |
| Key dates | Commencement of preliminary work: 2016; Projected commissioning: 2023 |
| Total project cost | € 1,298.0 million |
| Financing by the Region in the total amount of the project | 42,9% |
| 2021 financing through the green and sustainable bond | € 110.6 million |



► QUALITATIVE PRESENTATION OF THE PROJECT

- The eastern extension of the metro line 11 includes the completion of 6 km of railways and the creation of 6 stations through to the station of Rosny-Bois-Perrier.
- The number of users switching from private cars to the line 11 is estimated at around 7%, or 1.33 million fewer private car journeys per year. The project will thus help to relieve road congestion and reduce pollution caused by private car transport.
- The project is part of a global vision of the development of the territories served and allows users to choose a more environmentally friendly mode of public transport.
- Partners involved: joint owners (RATP and Ile-de-France Mobilités) and other funders (State, Société du Grand Paris, City of Paris and Department of Seine-Saint-Denis).

► PROJECT LIFECYCLE

- A lot of construction sites are currently open between Châtelet and Rosny-Bois-Perrier, both for the adaptation of existing stations, and for extension work.
- The RATP has issued an official communication on commissioning the Line 11 extension by 2023, with nevertheless uncertainty over the impact, over time, of health measures which leave the project little room for manoeuvre.
- On July 16, 2021, the SOFIA tunnel boring machine arrived at its terminus, Serge Gainsbourg in Les Lilas, and made its final breakthrough for the extension of line 11.

► IMPACT INDICATORS

| Indicator | Impact | Methodological note |
|--|--------------------------------|---------------------|
| Worksite FTEs supported by the project | 9,216 FTEs | A-2 |
| Number of project beneficiaries | 331,000 | D-4 |
| CO ₂ emissions avoided by the project | 3,255 CO ₂ teq/year | E-3 |
| Internal project profitability rate | 7,9 % | F |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|--|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • RATP, the project owner, is involved in its sustainable development policy by managing the environmental risks of its industrial sites (e.g. on the future site of maintenance and storage: treatment of polluted land) and the infrastructure it operates, through the eco-design of the infrastructure, systems, and equipment, which it specifies or designs, and through the purchases it makes. |
| Combating climate change, and promoting the Region's environmental transition | <ul style="list-style-type: none"> • The number of users switching transport modes from private cars to the line 11 is estimated at around 7%, or 1.33 million fewer private car journeys per year. The project will thus help to relieve road congestion. • Expected reduction of greenhouse gases of 3,255 CO₂ teq/year. |
| Sustainable regional planning and improving quality of life | <ul style="list-style-type: none"> • General average time saved for current transit users estimated at 10 minutes per trip, representing a total time savings of 3.6 million hours per year. • In total, taking into account the time saved by other users and that due to the better station accessibility, the annual time savings amount to 4 million hours per year. |
| Socially inclusive development, combating inequality, and promoting the safety of individuals | <ul style="list-style-type: none"> • New stations accessible to people with disabilities: the paths in the station between the roads and the platforms will be accessible by elevators for the main access route. The platforms will always be in aligned for easy access to the trains. • Integration of the project with the pricing in force in Île-de-France, set by Ile-de-France Mobilités and involving a social rate financed by the Region to guarantee the poorest have access to mobility and public transport. |
| Respect for fundamental rights | <ul style="list-style-type: none"> • Respect for the fundamental rights of workers who work on the site, in particular by ensuring their safety and by respecting the legislation for the health protection. |
| Responsible regional development | <ul style="list-style-type: none"> • The project will serve 68,000 inhabitants and 14,500 jobs. • The project supports several development sectors (ZAC Boissière-Acacia in Montreuil, ZAC Centre-Ville in Lilas, ANRU sectors). • Communities and developers are involved throughout the project's development and implementation in order to ensure its consistency and relevance in terms of economic development and the areas to be served in priority. |
| Regional economic development | <ul style="list-style-type: none"> • Estimated creation of 9,216 FTEs on-site. • Around the metro stations, the new services represent an opportunity for businesses and economic activities. • The project will make it easier to access jobs in the sector and, for the residents near the stations, access to jobs and places of study in Ile-de-France. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • Within the framework of the projects supported by the Region, the grants awarded to the contracting authorities (the RATP for this project) are subject to the Public Procurement Code. |
| Consultation with stakeholders | <ul style="list-style-type: none"> • Regular information given to residents on the evolution of the stages of the site. • Specific information campaigns will also be put in place among elected representatives, associations, residents near the building site and passengers of the metro and bus networks. • Local agents accompany the construction site on the field, liaising between residents, elected representatives and construction companies (office hours in a dedicated space, "site info" phone number). • A dedicated online portal will be put in place. |



Proof of eligibility for TSC and DNSH available on the Region's website



Dedicated website: <http://prolongementligne11est.fr/>

TRAMWAY T4

Projects: tramways



| | |
|---|---|
| Purpose | New branch between Bondy and Montfermeil |
| Locations | Pavillons-sous-Bois, Livry-Gargan, Clichy-sous-Bois et Montfermeil |
| Key dates | Commencement of work: 2015; Commissioning: August 2020 |
| Total project cost | € 255.8 million |
| Financing by the Region in the total amount of the project | 49,0% |
| 2021 financing through the green and sustainable bond | € 31.1 million |



► QUALITATIVE PRESENTATION OF THE PROJECT

- The project seeks to create a new tramway link between Bondy and Montfermeil. The new branch created off Gargan station will include 11 new stations.
- The project will make journeys easier for the 45,000 residents and workers located in a strip of 400 metres on either side of the T4 tramway branch project.
- The project is part of a global vision of the development of the territories served and allows users to choose a more environmentally friendly mode of public transport in total confidence. It gives more public space to non-motorised transport methods (pedestrians, bicycles).
- Partners involved: The project owners (Ile-de-France Mobilités and SNCF) and the other co-financiers (State).

► PROJECT LIFECYCLE

- The new T4 line was commissioned in August 2020 up to Montfermeil Hospital. This line symbolises the action by the Ile-de-France Region, in partnership with the State and contracting authorities, to open up the municipalities of Clichy-sous-Bois and Montfermeil which have been particularly poorly served by public transport until now. Its opening has, therefore, given inhabitants a direct line to the RER B and RER E lines and thus the possibility of travelling throughout the entire Ile-de-France.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|------------|---------------------|
| Worksite FTEs supported by the project | 1,816 FTEs | A-2 |
| Number of project beneficiaries | 62,000 | D-5 |
| Internal project profitability rate | 8,7% | F |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|--|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • The work of the project is organised in such a way as to optimise their duration and reduce the nuisance to residents. • On most sections of the new branch, the project plans to plant as many new trees as possible. • The clearing of the Bosquet du Chêne Pointu will be compensated for at least 200% on a 6,000 m² plot. • The project is an occasion to create a "green ribbon" to dress up the tramway platform. |
| Combating climate change, and promoting the Region's environmental transition | <ul style="list-style-type: none"> • The project will create favourable conditions for a modal shift from the passenger car to the new tram line. |
| Sustainable regional planning and improving quality of life | <ul style="list-style-type: none"> • Average journey time reduction at the morning rush hour: 10 minutes for those already traveling by public transport, 5 min. for new users. • The project, included in the "Espoir Banlieues" Plan, will support the urban redevelopment of a landlocked territory in great social difficulty by financing and undertaking the complete redevelopment of the public spaces served by the tramway. • The project will restructure and beautify the living environment of local residents. |
| Socially inclusive development, combating inequality, and promoting the safety of individuals | <ul style="list-style-type: none"> • The tram stations meet the safety and accessibility criteria for all categories of users (emergency call terminals, CCTV cameras and remote signalling equipment). • In terms of solidarity, the project will open up cities on a plateau that is currently separated from the structuring public transport lines in the Île-de-France region. • The project is integrated with the pricing in force in Île-de-France, set by Ile-de-France Mobilités and involving a social rate financed by the Region to guarantee the poorest have access to mobility and public transport. |
| Respect for fundamental rights | <ul style="list-style-type: none"> • The project will meet users' mobility needs. • The project will respect the fundamental rights of workers who will be working on the site, in particular by ensuring their safety and by respecting the legislation for the health protection. |
| Responsible regional development | <ul style="list-style-type: none"> • The project will enhance the attractiveness of the territory in an area marked by a high density of landlocked population. • It will meet the new travel needs generated by urban and transport projects in the sector: Urban Renewal project, Bas Clichy project, ZAC Coeur de Ville in Montfermeil, Clichy-Montfermeil train station on line 16 of the Grand Paris Express, and the Tour Médicis project in Clichy. |
| Regional economic development | <ul style="list-style-type: none"> • Estimated creation of 1,816 FTEs on-site. • Social clauses are inserted in works contracts to promote the local employment of people in difficulty. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • In the framework of this project, the Region allocated subsidies to project owners Ile-de-France Mobilités and SNCF, who are subject to the Public Procurement Code. |
| Consultation with stakeholders | <ul style="list-style-type: none"> • The preliminary consultation was organised from 1st September to 31 October 2009. • The public inquiry was held from 10 December to 24 January 2013 and the Public Interest Order was issued on 12 September 2013. • Information tools for neighbours, residents and shopkeepers have been set up for the follow-up of the work: information brochures, a dedicated website, T4 Infos team with facilities to receive the public. • For shopkeepers, a commercial mediator informs them, advises them and accompanies them throughout the period of the works. |



Proof of eligibility for TSC and DNSH available on the Region's website



Dedicated website: <http://www.tramway-t4.fr/>

TRAMWAY T9

Projects: tramway



| | |
|---|---|
| Purpose | New line between Paris and Orly ville |
| Locations | Paris, Ivry-sur-Seine, Vitry-sur-Seine, Choisy-le-Roi, Thiais, Orly |
| Key dates | Commencement of work: 2015; Projected commissioning: end of 2021 |
| Total project cost | € 403.3 million |
| Financing by the Region in the total amount of the project | 53,3% |
| 2021 financing through green and sustainable bonds | € 36.0 million |



► QUALITATIVE PRESENTATION OF THE PROJECT

- The Tram 9 will connect Porte de Choisy in Paris to the city centre of Orly in 30 minutes. Its 19 stations will serve 6 cities: Paris 13th, Ivry-sur-Seine, Vitry-sur-Seine, Choisy-le-Roi, Thiais and Orly city.
- The project will make journeys easier for the 140,000 residents and 65,000 workers located on either side of the tramway line.
- The project is integrated into a global planning vision for the communities concerned: The Department of Val-de-Marne, the Association Seine Amont Développement (ASAD), the cities of Ivry-sur-Seine, Vitry-sur-Seine, Thiais, Choisy-le-Roi, Orly, the EPA ORSA, Ile-de-France Mobilités, and the Region are committed to carrying out the urban planning-transport charter. It must allow a good

match between the tramway project and the various urban projects under way and to come. The themes studied were defined in consultation with all the local actors.

- Partners involved: the project owner (Ile-de-France Mobilités) and the other co-financiers (the State, Val-de-Marne Departmental Council, City of Paris and Grand-Orly Seine Bièvre Territorial Public Authority).

► PROJECT LIFECYCLE

- Following the preparatory work, the infrastructure works started in mid-2018 to build the platform and the urban structures.
- The Tram T9 line was operated on April 10, 2021

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|--------------------------------|---------------------|
| Worksite FTEs supported by the project | 2,863 FTEs | A-2 |
| Number of project beneficiaries | 70 000 | D-5 |
| CO ₂ emissions avoided by the project | 1,338 CO ₂ teq/year | E-3 |
| Internal project profitability rate | 9,5% | F |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|--|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> The work is organised in such a way as to optimise its duration and reduce the nuisance to residents. Creation of a "green ribbon" to dress up the tramway platform. |
| Combating climate change, and promoting the Region's environmental transition | <ul style="list-style-type: none"> Shift from passenger cars to the new tram line: an estimated 3% of tramway traffic, i.e. 6.1 million veh.km per year saved thanks to the project. 1,338 teqCO₂ will be saved per year thanks to the project. |
| Sustainable regional planning and improving quality of life | <ul style="list-style-type: none"> Reduction of journey times of 4 minutes and 45 seconds per passenger for former users of the bus line, 2 min 40 sec for former transit users, 1 min 20 sec for new users of public transport (shifted from private cars and walking). The project will restructure and beautify the living environment of local residents, while respecting and highlighting the heritage and green characteristics of areas crossed. |
| Socially inclusive development, combating inequality, and promoting the safety of individuals | <ul style="list-style-type: none"> The tram stations meet the safety and accessibility criteria for all categories of users (emergency call terminals, CCTV cameras and remote signalling equipment). The project is integrated with the pricing in force in Île-de-France, set by Ile-de-France Mobilités and involving a social rate financed by the Region to guarantee the poorest have access to mobility and public transport. |
| Respect for fundamental rights | <ul style="list-style-type: none"> The implementation of the project respects the fundamental rights of workers who work on the site, in particular by ensuring their safety and by respecting the legislation for the health protection. |
| Responsible regional development | <ul style="list-style-type: none"> The project will increase the attractiveness of the territory in a densely populated area but not adequately served by public transport until now. The project will support the urban redevelopment of the territory by financing and undertaking the complete redevelopment of the public spaces served by the tramway. It will meet the new travel needs generated by urban and transport projects in the sector: ZAC du Plateau in Ivry-sur-Seine, ZAC Rouget-de-Lisle and ANRU Balzac in Vitry-sur-Seine, ZAC du Port in Choisy-le-Roi, and Grands Vœux sector in Orly. |
| Regional economic development | <ul style="list-style-type: none"> Based on current estimates, the project will create 2,863 FTEs on site. Social clauses are and will be inserted in works contracts to promote the local employment of people in difficulty. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> In the framework of this project, the Region is allocating subsidies to project owner Ile-de-France Mobilités, who is subject to the Public Procurement Code. |
| Consultation with stakeholders | <ul style="list-style-type: none"> Prior consultation was organised in October / November 2012. The public inquiry was held in June / July 2014 and the Public Interest Order was issued on 2 February 2015. Information tools for neighbours, residents and shopkeepers have been set up for the follow-up of the work: information brochures and a dedicated website.dié. |



Proof of eligibility for TSC and DNSH available on the Region's website



Dedicated website: <http://www.tram9.fr>

TRAMWAY T12

Projects: tramways



| | |
|---|---|
| Purpose | New line between Massy-Palaiseau and Evry Courcouronnes |
| Locations | Massy, Palaiseau, Champlan, Longjumeau, Chilly-Mazarin, Epinay-sur-Orge, Savigny-sur-Orge, Morsang-sur-Orge, Viry-Châtillon, Grigny, Ris-Orangis, Courcouronnes, Evry |
| Key dates | Commencement of work: 2017 |
| Total project cost | € 526.0 million |
| Financing by the Region in the total amount of the project | 55,8% |
| 2021 financing through green and sustainable bonds | € 58.2 million |



► QUALITATIVE PRESENTATION OF THE PROJECT

- The project consists of creating a new link between the cities of Massy and Evry in the form of a tram-train. It is structured in two sections: a railway section between Massy-Palaiseau and Epinay-sur-Orge where it will replace the existing branch of the RER C over 10.1 km and an urban section passing through the creation of a new tramway over 10.6 km between Epinay-sur-Orge and Evry-Courcouronnes.
- The T12 Express project covers the north of the department of Essonne, which is affected by economic development issues and offers transfers to RER lines B, C and D.
- The project reinforces the offer of transport in a ring crossing through the south of Ile-de-France, connecting to the existing (RER, Transilien) and coming (Greater Paris) transport networks. It is integrated into a global vision of the development of the territories concerned and offers an attractive alternative to the private car.

- The partners involved: the project owners (SNCF Réseau, SNCF Mobilité), Ile-de-France Mobilités and other funders (the State, Department of Essonne).

► PROJECT LIFECYCLE

- Work on the Massy rail track plan is underway, with a terminus station at the hub in connection with the RER B and C. The connection with the RER C will be made on the same platform.
- Construction of a retaining wall to stabilize the ground to consolidate the slope of the A6 motorway to make it compatible with the T12 tram line. 2.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|--------------------------------|---------------------|
| Worksite FTEs supported by the project | 4,095 FTEs | A-2 |
| Number of project beneficiaries | 40,000 | D-5 |
| CO ₂ emissions avoided by the project | 2,534 CO ₂ teq/year | E-3 |
| Internal project profitability rate | 5,8% | F |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|--|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> The SNCF, the project owner, is committed to social responsibility and aims in particular to reduce the environmental impacts of its projects. Particular attention was paid to the insertion of the T12 Express garage workshop (greenery to improve the landscape quality of the site for the residents, the HQE building in a wooden structure, the green roof of the workshop and custodian facilities to improve the insulation of buildings, rainwater harvesting). The facilities along the route incorporate cycling facilities ensuring the best possible continuity with existing bike routes. |
| Combating climate change, and promoting the Region's environmental transition | <ul style="list-style-type: none"> The project will help reduce pollution with savings estimated of around 2,534 teqCO₂ per year. |
| Sustainable regional planning and improving quality of life | <ul style="list-style-type: none"> The new line will improve the quality of life of users in the Ile-de-France region: the average time saved for a public transport user is estimated at 6 minutes per trip. |
| Socially inclusive development, combating inequality, and promoting the safety of individuals | <ul style="list-style-type: none"> The project helps open up districts that are located near the T12 express. In terms of solidarity, the new T12 Express line will be integrated with the pricing in force in Île-de-France, set by Ile-de-France Mobilités and involving a social rate financed by the Region to guarantee the poorest have access to mobility and public transport. |
| Respect for fundamental rights | <ul style="list-style-type: none"> As part of its implementation, the project respects the fundamental rights of workers who work on the site, in particular by ensuring their safety and by respecting the legislation for the health protection. |
| Responsible regional development | <ul style="list-style-type: none"> The project will enhance the attractiveness of the territory in an area with great needs in terms of transport infrastructure. The project will notably link up clusters of activities, without going through Paris (Massy and Evry). The T12 will encourage public transport for workers from the municipalities served (51,000 workers), of whom only 19% of those who work in this territory use this mode of transport. It will also make it possible for residents outside of this area to use public transport via a mesh network to other lines (RER B, C and D). |
| Regional economic development | <ul style="list-style-type: none"> Based on current estimates, the project will create 4,095 FTEs on site. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> In the framework of this project, the Region allocated subsidies to project owners Ile-de-France Mobilités, SN |
| Consultation with stakeholders | <ul style="list-style-type: none"> Prior consultation was organised between May and July 2009. The public inquiry took place between 7 January and 11 February 2013 and the Decision on Public Utility, covering the entire project, was published on 22 August 2013. Information tools for neighbours, residents and shopkeepers have been set up for the follow-up of the work: information brochures and a dedicated website. |



Proof of eligibility for TSC and DNSH available on the Region's website



Dedicated website: <http://www.tramtrain-massyevry.fr/>

EOLE

Projects: railway links



| | |
|---|---|
| Purpose | West extension of the RER E |
| Locations | Paris, Courbevoie, Nanterre, Houilles, Carrières-sur-Seine, Poissy, Villennes-sur-Seine, Les Mureaux, Aubergenville, Epône, Mézières, Mantes-la-Jolie |
| Key dates | Commencement of work: 2017; Project commissioning to Nanterre-La-Folie: 2022; Full project commissioning to Mantes-La-Jolie: 2024 |
| Total project cost | € 3,740.9 million |
| Financing by the Region in the total amount of the project | 28,3% |
| 2021 financing through green and sustainable bonds | € 123.7 million |



► QUALITATIVE PRESENTATION OF THE PROJECT

- RER line E west extension, from Haussmann - Saint-Lazare station to Mantes-la-Jolie station.
- The project is 55 km long, with the construction of a new underground infrastructure of about 8 km, the redevelopment of the existing line over 47 km and the creation of three new stations: Porte Maillot, La Défense and Nanterre La Folie. It also provides for new trains.
- An innovative project with a new Nexteo operating system (it will make it possible to run more trains on a single line faster) and operating in redundancy (two self-sufficient branches will operate in parallel on the central section from Nanterre-la-Folie to Rosa Parks; this will make it so that one branch is not impacted should the other branch encounter delays).
- The Eole project is committed to introducing employment clauses in its contracts that reserve 7% of the hours worked for professional integration. After one year of construction, 124,127 hours of professional work was completed in January 2018, out of the 345,898 hours corresponding to the contracts that have started.

- Involved partners and public co-financiers: the project owners (SNCF Réseau, SNCF Mobilité, Ile-de-France Mobilités) other funders (The State, Greater Paris, City of Paris, Departmental Council of Hauts-de-Seine, Departmental Council of Yvelines).

► PROJECT LIFECYCLE

- Continuation of work on the existing section: work on the Bezons viaduct, Mantes viaduct, 3rd lane, existing stations (Haussmann St Lazare, Magenta, Epône-Mézières and Les Mureaux, Mantes-la-Jolie).
- Continued work on the new stations (Nanterre la Folie, la Défense, Porte Maillot).

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|--------------------------------|---------------------|
| Worksite FTEs supported by the project | 26,554 FTEs | A-2 |
| Number of project beneficiaries | 1,400 000 | D-4 |
| CO ₂ emissions avoided by the project | 8,040 CO ₂ teq/year | E-3 |
| Internal project profitability rate | 9,6% | F |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|--|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • Site eco-design logic: management of construction waste, discharge of pollutants, limitation of nuisances caused by the site (noise, pollution, vibration, lighting, transport of dangerous materials...). |
| Combating climate change, and promoting the Region's environmental transition | <ul style="list-style-type: none"> • Shift in transport modes estimated at 67 million veh.km in 2020, with annual growth of 1%. • The net modal transfer rate is around 3% of RER E users, the share of induced traffic is 2 to 4% depending on the model. • Estimated savings, due to the modal shift from road to rail, of 8,040 teqCO₂ per year. |
| Sustainable regional planning and improving quality of life | <ul style="list-style-type: none"> • Decrease in the number of trains on the busiest section of the RER A between Châtelet-les-Halles and Auber of 12% during rush hour compared to a 2020 situation without extensions to the RER E. • Yearly time saved: on average 6 minutes, equal to 18 million hours per year. |
| Socially inclusive development, combating inequality, and promoting the safety of individuals | <ul style="list-style-type: none"> • Promotes opening up the territory and is fully part of a will to fight against inequalities between territories. • The contracting authority requires companies to entrust a minimum number of working hours to persons with difficulty in employment, to train them and to support them so as to encourage their access to sustainable employment and to reintegrate them on a permanent basis into the job market. • The number of hours of insertion for civil works is estimated at 70,000 for the Yvelines department and 720,000 for Paris and Hauts-de-Seine: 124,127 hours of insertion completed in January 2018. |
| Respect for fundamental rights | <ul style="list-style-type: none"> • By promoting intermodality and better service in the region, this project promotes the right to come and go. |
| Responsible regional development | <ul style="list-style-type: none"> • The project participates in the development and dynamization of the region, and promotes the urban rehabilitation and urban development of Seine Aval. • Access to jobs will be significantly improved. It may result in more than 250,000 additional jobs in less than an hour for those who reside in the east and north of Paris, in the central part of Hauts-de-Seine and in Seine Aval. |
| Regional economic development | <ul style="list-style-type: none"> • Estimated job creation at 26,554 FTEs. • The project should encourage the implementation of businesses or strengthen the existing activity in the Seine valley and in Paris, in La Défense, by improving access. • In addition, the extension will result in the creation of jobs for transport agents. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • Subsidies from the Region granted to the Contracting Authorities, themselves subject to the Public Procurement Code |
| Consultation with stakeholders | <ul style="list-style-type: none"> • Public debate: autumn 2010. • Public inquiry: from 16 January to 18 February 2012 and the Decision on Public Utility published on 31 January 2013. • Implementation of information tools for neighbours, residents and shopkeepers have been set up for the follow-up of the work: information brochures and a dedicated website. |



Proof of eligibility for TSC and DNSH available on the Region's website



Dedicated website: <http://www.rer-eole.fr/>

TZEN 4

Scheme: Development for buses on own sites and layout of roadways



| | |
|---|---|
| Purpose | New bus line between Viry-Châtillon and Corbeil-Essonnes |
| Locations | Viry-Châtillon, Grigny, Ris-Orangis, Courcouronnes, Evry, Corbeil-Essonnes |
| Key dates | Works started in 2021 |
| Total project cost | 124 MC |
| Financing by the Region in the total amount of the project | 49,0% |
| 2021 financing through green and sustainable bonds | 1,8 MC |



► QUALITATIVE PRESENTATION OF THE PROJECT

- The T Zen 4 project consists in creating a public transport infrastructure on a clean site between Viry-Châtillon and Corbeil-Essonnes. It will replace the current 402 line on the section between "La Treille" at Viry-Châtillon and the RER D station at Corbeil-Essonnes, by integrating mainly on the existing Tronçon section which extends on about 14,3 km and serves 30 stations with a frequency of 4 minutes during rush hours.
- When commissioned, the T Zen 4 will also borrow clean site sections completed as part of the urban projects crossed (Grande Borne and ZAC Centre-Ville at Grigny and ZAC de la Montagne des Glaises at Corbeil-Essonnes).
- The Zen T 4 will also be part of the urban projects of the priority neighbourhoods identified in the New National Urban Renewal Program (NPNRU). Several districts of national or regional interest will be served directly by the T Zen 4 (Tarterêts at Corbeil-Essonnes, Pyramides at Evry, Plateau at Ris-Orangis, Grigny 2 and La Grande Borne at Grigny, Plateau at Viry-Châtillon) thus contributing strongly to limiting their isolation from the territory and its economic dynamics. The success of the T Zen 4 project in these neighbourhoods is a priority for the Region, which has chosen to invest specifically in it through a framework policy, which was passed on 26 January 2017 for urban development and in support of the NPNRU (CR 2017-06).

- Partners involved: project owner Île-de-France Mobilités and other funders (State and Essonne Département)e).

► PROJECT LIFECYCLE

- Dealer clearance work began in June 2020. These are diversions of water, electricity or gas networks that are moved to avoid being under the bus platform. This work will continue into 2022.
- Preliminary work on the tramway, including temporary arrangements for bus detours have started at first quarter 2022.
- Maintenance and Storage Site (SMR) work began in September 2021 for 18 months (end expected early 2023)).

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|----------|---------------------|
| Worksite FTEs supported by the project | 880 FTEs | A-2 |
| Number of project beneficiaries | 47,000 | D-6 |
| Internal project profitability rate | 16,7 % | F |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|--|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Consideration for environmental issues (noise, air, water, biodiversity), e.g. restitution of impacted trees. Work phase procedure to refine. |
| Combating climate change, and promoting the Region's environmental transition | <ul style="list-style-type: none"> The project promotes the continuity of soft mobility and frees itself from the constraints of traffic congestion responsible for major irregularity issues to provide a real alternative to the use of the car. The T Zen 4 project requires only very limited consumption of natural areas likely to house protected species. The impact study of the project concludes that there is no residual impact on the natural environment, after the implementation of avoidance and reduction measures. No wetlands in the project area. The bus acquired by Ile-de-France Mobilités will be electric.s. |
| Sustainable regional planning and improving quality of life | <ul style="list-style-type: none"> The layout of the Zen T 4 crosses a dense and heterogeneous urban fabric, not only from the point of view of the typology of constructions but also from the point of view of their quality. The project is an opportunity to renew aging plant structures, restore a more human-scale urban language, restore fringes and enhance perspectives. Setting up of comfortable public spaces, which favour the soft and pedestrian mode: pedestrian continuity, pavements not too narrow, restitution of plantations and parking.. |
| Socially inclusive development, combating inequality, and promoting the safety of individuals | <ul style="list-style-type: none"> This project thus promotes the opening up of the territory and fully subscribes to an effort to fight against inequalities between territories. Île-de-France Mobilités has elected to equip the line with 24-metre buses, which will have full disabled access. |
| Respect for fundamental rights | <ul style="list-style-type: none"> By promoting intermodality and a better coverage of the territory, this project promotes the right to come and go.. |
| Responsible regional development | <ul style="list-style-type: none"> Strengthening the attractiveness of this sector promotes its economic development. Upgrade the 402 line towards a more efficient mode between the "La Treille" station at Viry-Châtillon and the Corbeil-Essonnes RER station. Consolidate and develop intermodality with existing (RER D, T Zen 1) and planned (Tram-Train 12 Express) transport lines. |
| Regional economic development | <ul style="list-style-type: none"> The project is a catalyst for the development of the sector, by opening up poorly connected neighbourhoods and increasing the attractiveness of the served corridor, and more broadly to all municipalities concerned by the project. Support for works-related jobs. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Subsidies from the Region granted to the actual project owners subject to the Code des Marchés Publics (public procurement code) |
| Consultation with stakeholders | <ul style="list-style-type: none"> Prior consultation from 17 October 2010 to 2 December 2011, which defined the insertion according to the layout and location of the Maintenance and Storage Site (SMR). Public survey from 30 May to 4 July 2016. Statement of public utility on 8 December 2016. Numerous exchanges with the local players as part of the project management, which made it possible to develop the project (layout, stations, SMR, etc.). |



Proof of eligibility for TSC and DNSH available on the Region's website



Dedicated website: <https://tzen4.iledefrance-mobilites.fr/>

RENEWABLE ENERGY



Projects contributing to the development of renewable energy and energy efficiency

- With a view to strengthening its action for the energy transition, the Region voted in the Energy-Climate Plan in 2018 and intends to play fully its role as leader in energy, air and climate by devoting €150 million by 2021 to the development of renewable energies. The Region is seeking to halve dependence on fossil and nuclear energy in Ile-de-France from 2030 and strive towards a totally renewable energy and zero carbon region by 2050, by reducing regional energy consumption by 40% and increasing fourfold the amount of renewable energy produced in the Ile-de-France region.
- This strategy highlights several sources of renewable energy with huge development potential in Ile-de-France, especially the heat networks, solar power, hydrogen and methanisation. It is determinedly pursuing this course by accelerating the development of hydrogen mobility, photovoltaic solar power and methanisation under ambitious and operational plans adopted in late 2019 (solar, hydrogen and methanisation plans). The Region is also relying on a cost-saving and highly exploitable renewable energy source in Ile-de-France, geothermal energy, which it can use to supply more than 150,000 equivalent housing units (i.e. 330,000 people).
- **Region's jurisdiction:** shared with all public actors across the region.
- **Forme d'interventions:** territorial-based actions designed to integrate environmental policies into regional development projects; subsidies to local authorities sponsoring the projects.
- **Target audience:** all Ile-de-France residents..

GEOTHERMAL DRILLING AT THE DOGGER NEW PROJECT

Energy policy and cross-cutting actions



| | |
|---|--|
| Purpose | Creation of a geothermal doublet on the heating network |
| Location(s) | Vigneux-sur-Seine |
| Key dates | Start of drilling: 13 January 2018 Thermal production on the network: 12 October 2018 |
| Total project cost | €12.7 million |
| Financing by the Region in the total amount of the project | 15,7 % |
| 2021 financing through the green and sustainable bond | €1.9 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- Already powered by a geothermal doublet at the Dogger coming to the end of its operational life in 2017, the project is part of a potential development of the heating network following the identification of many prospects through the creation of a master plan. The new geothermal doublet, the subject of the project, therefore allows the extensions to this heating network to be powered by renewable energy.
- This project is supported by Concordia Energy a wholly owned subsidiary of IDEX, the company operating and developing the Vigneux-sur-Seine geothermal heating network through a public service delegation contract awarded by the town in 2017 for 30 years.
- This geothermal doublet can be used to produce 47 GWh of renewable energy per year, covering 67% of the network's needs. The corresponding extension is 7,225 linear metres, 34 sub-stations, supplying the equivalent of 3,600 homes.

► PROJECT LIFECYCLE

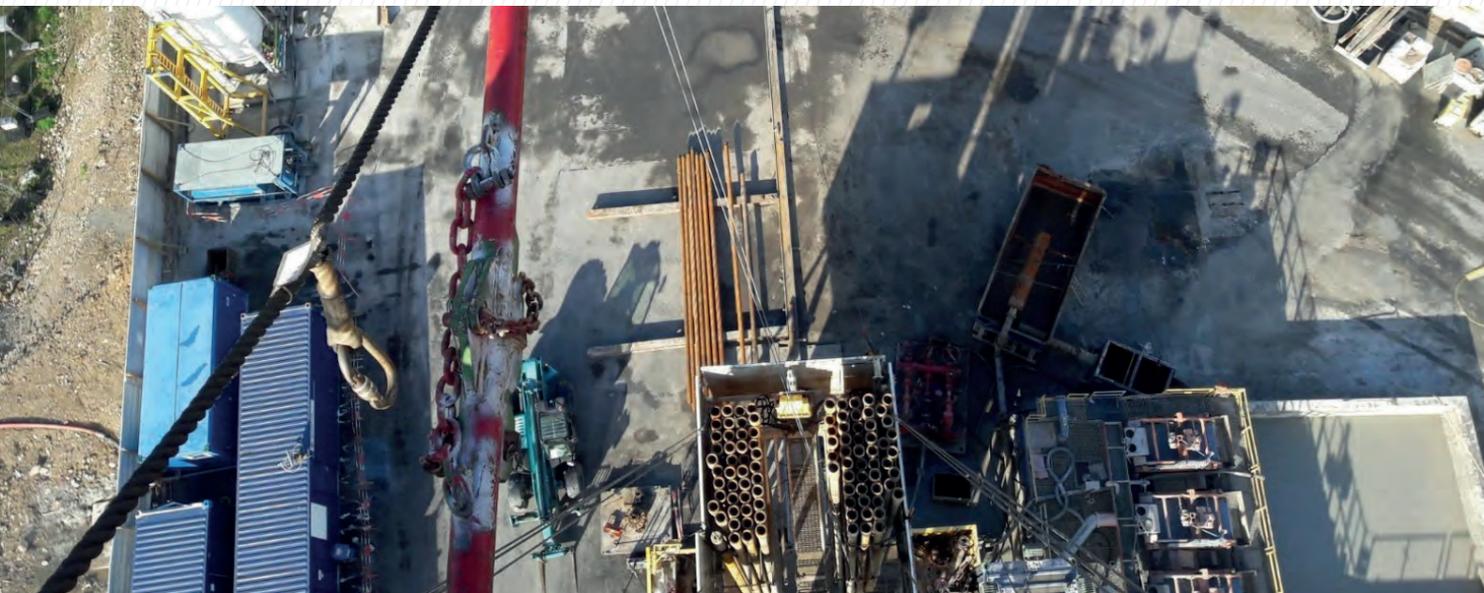
- Start of drilling for the production well (GVS 3): 13 January 2018. End of drilling for the production well: 12 February 2018. The drilling depth is 1,935 m.
- Start of drilling for the injection well (GVS 4): 25 February 2018. End of drilling for the injection well: 22 March 2018. The drilling depth is 1,916 m.
- Thermal production on the network: 12 October 2018.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|--------------------------------|---------------------|
| Inclusion FTE supported by the project | 28 FTEs | B |
| Number of project beneficiaries | 14,000 | D-7 |
| CO ₂ emissions avoided by the project | 7,000 CO ₂ teq/year | E-3 |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • Consideration of noise pollution during drilling. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> • Replacement of fossil fuels: 47 GWh in renewable energy. • Pooling of energy requirements. • Improved air quality through a solution that does not emit microparticles. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> • Project using a local and stable resource • Containment of work areas. • Regular cleaning of worksite areas. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> • Raising awareness of occupational hazards. • Staff training (UTEC 18-510 electrical safety, CACES driver training, chemical risk accreditation N I and N II, workplace first-aider). • Pooling of requirements, providing a stable and fair heating price between prospects, while allowing the energy autonomy of connected homes. |
| Respect for fundamental rights | <ul style="list-style-type: none"> • Promotes access to renewable energy, supporting the standard of living of households to improve their living conditions constantly. |
| Responsible regional development | <ul style="list-style-type: none"> • Project helping to strengthen the amount of renewable energies used in Ile-de-France and geothermal energy in particular, which is an Ile-de-France speciality; the region being the leading European region in terms of geothermal installations. |
| Regional economic development | <ul style="list-style-type: none"> • Support the development of the region's renewable energies. • Reduce the dependency on imports of fossil energies. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • Application of the public procurement contract code by the project's representative. • Drilling of the sub-soil conducted within the regulatory framework for mining issued by DRIEAT. |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> • 2 annual meetings to raise awareness of safety. • Setting up of a master plan beforehand, a medium- and long-term network management tool. • Regular user committees. |



EXTENSION OF THE GEOTHERMAL HEATING NETWORK

NEW PROJECT

Energy policy and cross-cutting actions



| | |
|--|---|
| Purpose | Extension of a heating network |
| Location(s) | Le Blanc-Mesnil |
| Key dates | Start of work January 2019, end of work December 2023. Geothermal doublet and heat pump in service since early 2017. |
| Total project cost | €5.8 million |
| Financing by the Region in the total amount of the project | 16.8 % |
| 2021 financing through the green and sustainable bond | €0.6 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The heating network is already powered by a geothermal doublet supported by a heat pump, providing a renewable energy rate of 85%.
- The project is designed to make greater use of the heat recoverable through geothermal energy, by doubling the needs for summer domestic hot water in order to be supplied 100% by geothermal energy in summer.
- This project is part of a revitalisation of the network by extending 2 branches significantly, since the Blanc-Mesnil network has changed very little since its creation.
- This project will make it possible to recover 18,000 MWh per year.

► PROJECT LIFECYCLE

- The geothermal doublet and the heat pump have been in use since 2017.
- This project is part of a process to optimise the geothermal resource, the network extension work began in early 2019. The end of the provisional work is scheduled for late 2023. According to discussions with prospects, work could continue after 2023 to connect certain users.
- A public service delegation contract was signed by SEAPFA, now the EPT, PTE and BMES (Coriance subsidiary) in 2002 for a duration of 25 years. In line with the development of the network, an amendment to the public service delegation contract was signed in order to extend the concession contract by 19 years to 2046.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|--------------------------------|---------------------|
| Number of project beneficiaries | 2,200 | D-7 |
| CO ₂ emissions avoided by the project | 3,000 CO ₂ teq/year | E-3 |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • Replacement of the geothermal doublet from 2012 in order to preserve the subsoil. Setting up the project following this replacement. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> • Replacement of fossil fuels: 6,331 MWh in renewable energy. • Pooling of energy requirements. • Improved air quality through a solution that does not emit microparticles. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> • Project using a local and stable resource. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> • Pooling of requirements, providing a stable and fair heating price between prospects, while allowing the energy autonomy of connected homes. • Support for prospects requesting connection to the network. |
| Respect for fundamental rights | <ul style="list-style-type: none"> • Promotes access to renewable energy, helping to support the standard of living of households to improve their living conditions constantly. |
| Responsible regional development | <ul style="list-style-type: none"> • Promote the pooling of local energy consumption. |
| Regional economic development | <ul style="list-style-type: none"> • Support the development of the region's renewable energies. • Reduce the dependency on imports of fossil energies |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • Application of the public procurement contract code by the project's representative. • Inventory of the pipes dug in order to provide a map of the sub-soil. |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> • Information and consultation procedure extended to all subscribers. • Setting up of a master plan beforehand, a medium- and long-term network management tool. • Regular user committees. |



INSTALLATION OF PHOTOVOLTAIC SHADES

Energy policy and cross-cutting actions

NEW PROJECT



| | |
|--|--|
| Purpose | Photovoltaic installation and resale to the network |
| Location(s) | Monthéry |
| Key dates | Start of work November 2020, end of work March 2021. |
| Total project cost | €0.2 million |
| Financing by the Region in the total amount of the project | 30 % |
| 2021 financing through the green and sustainable bond | €0.042 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- This is a 500 m² photovoltaic installation on the car park of the Eneria head office in Monthéry.
- The installed power is 100 kWp, which is 252 photovoltaic panels. The annual production is 96,153 kWh. This energy produced is injected into the network through the feed-in tariff contract.
- This installation, in addition to producing low-carbon renewable energy, can be used to protect roofs from the sun, rain and bad weather.
- This project represents a reduction in CO₂ emissions of 11.5 tonnes per year.

► PROJECT LIFECYCLE

- Commencement of work: November 2020
- End of work: March 2021

► IMPACT INDICATORS RELATED TO THE PROJECT

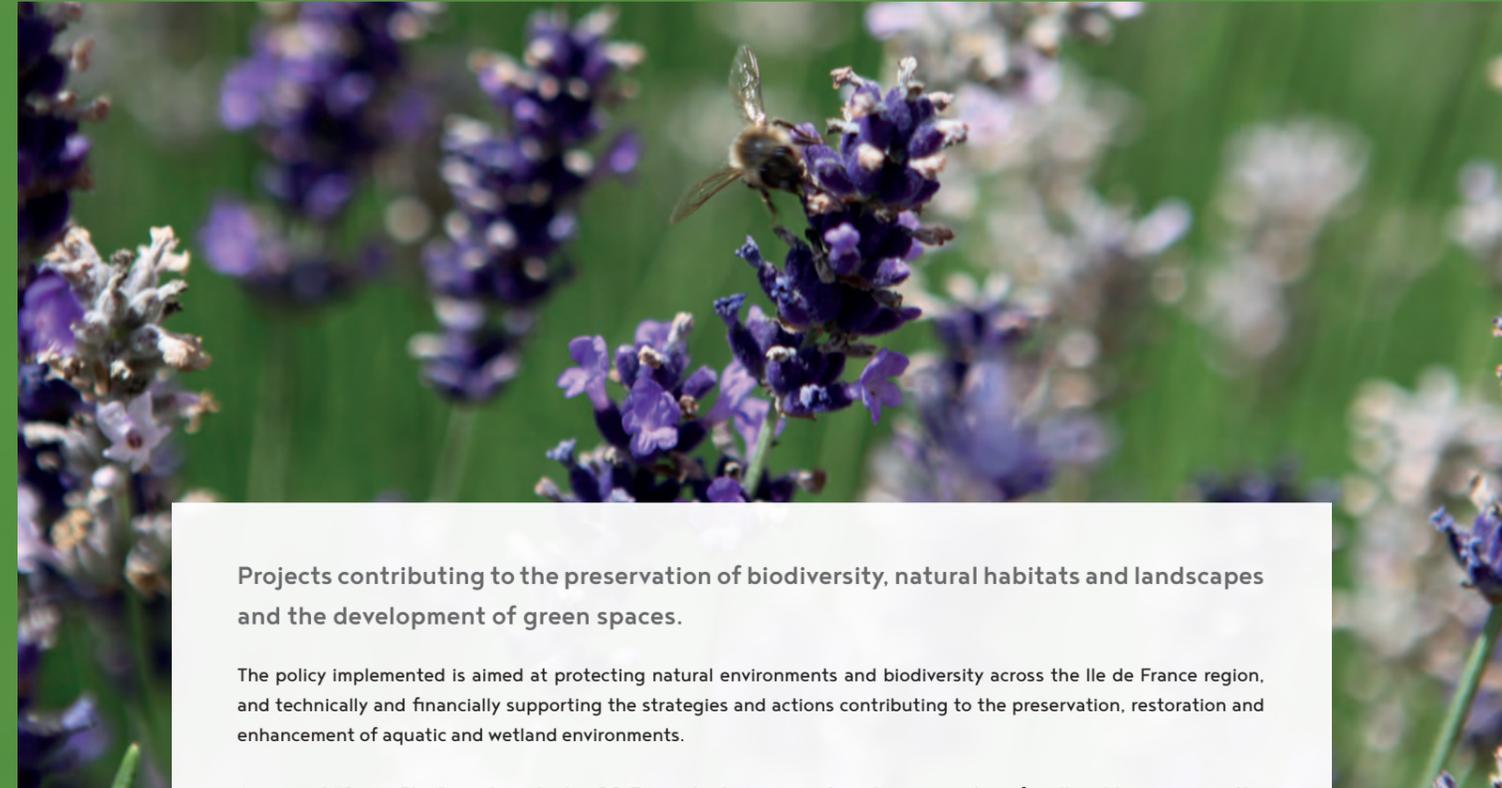
| Indicator | Impact | Methodological note |
|--|-------------------------------|---------------------|
| Number of beneficiaries | 5 | D-7 |
| CO ₂ emissions avoided by the project | 11.5 CO ₂ teq/year | E-3 |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|--|---|
| Environmental management and eco-design of projects | • ISO 14001 certification of Eneria recognising the commitment to environmental protection. |
| Combating climate change and promoting the Region's green transition | • Replacement of fossil fuels: 96 MWh per year. • Avoided radioactive waste: 1.15 tonnes per year. • Avoided CO ₂ emissions: 11.5 tonnes per year. |
| Contributing to the Region's sustainable development and the improvement in quality of life | • Project using a local and stable resource. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | ••Combating heat islands. |
| Respect for fundamental rights | ••Promotes access to renewable energy, helping to support the standard of living of households to improve their living conditions constantly. |
| Responsible regional development | • Promotes renewable energy without a footprint on the ground. |
| Regional economic development | • Support the development of the region's renewable energies. • Reduce the dependency on imports of fossil energies. |
| Fair practices, responsible purchasing and responsible supplier relations | • Feed-in tariff contract used to ensure the purchase price for the electricity for 20 years. |
| Promoting suitable consultation with internal and external stakeholders | ••Submission of the package and the allocation proposal to the thematic committee, vote by the standing committee. |



TERRESTRIAL AND AQUATIC BIODIVERSITY CONSERVATION



Projects contributing to the preservation of biodiversity, natural habitats and landscapes and the development of green spaces.

The policy implemented is aimed at protecting natural environments and biodiversity across the Ile de France region, and technically and financially supporting the strategies and actions contributing to the preservation, restoration and enhancement of aquatic and wetland environments.

A regional "Green Plan" was launched in 2017 in order to incorporate nature everywhere for all and to encourage the greening of both towns and villages. In autumn 2016, a consultation was held with all actors, experts, professionals and associations with a simple objective: to achieve the marked creation of green spaces in Ile-de-France by 2021 and improve the accessibility of nearby green spaces. The Regional Biodiversity Strategy prepared in 2019 and the Ile de France COP which was held in 2020 has reaffirmed this principle and proposed ambitious objectives for creating, requalifying and improving the accessibility of green spaces in 2025 and then 2030.

- **Region's jurisdiction:** the Region is a leader in terms of biodiversity; it co-developed the Regional Ecological Coherence Plan (Schéma Régional de Cohérence Ecologique- SRCE) with the State.

- **Form of interventions:** territorial-based actions designed to integrate environmental policies into regional development projects; subsidies to contracting authorities and the Green Spaces Agency (Agence des Espaces Verts - AEV) a regional public institution.

- **Target audience:** contracting authorities supporting projects, such as for example, the municipalities and their groups, the departments, nature associations, professional federations, public institutions and schools.

REOPENING AND RENATURATION OF THE BIEVRE RIVER AT THE PARC DU COTEAU NEW PROJECT

Relevant example of the Green Spaces Agency Program



| | |
|---|--|
| Purpose | Rediscovery of a section of buried and lost urban river, as part of an overall project to revive the river and enhance the public space. |
| Location(s) | Arcueil, Gentilly (Val-de-Marne) |
| Key dates | Work launched in 2019, completion in 2022 |
| Total project cost | €2.8 million |
| Financing by the Region in the total amount of the project | 14,5% |
| 2021 financing through the green and sustainable bond | €0.3 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- With the industrialisation followed by the urbanisation of the Paris inner suburbs, the Bièvre was channelled and covered downstream; no longer running in its bed, having become an outlet for rainwater from an entire catchment area, its floodplain entirely covered over by the city, it had lost all of its own reality. The dynamic was reversed in the 90s: first the associative movement then the elected officials and now all the region's organisations are working on its revival by gradually reopening it section by section: 1,115m in 2020, to which is added this reopening of La Bièvre by the Département of Val de Marne, contracting authority, in the Départemental Parc du Coteau in the towns of Arcueil and Gentilly which covers a total of 610 metres for a total budget of 10 million euros. This project concerns a section of it, from the A6a viaduct downstream to the edge of the Parc du Coteau.
- This project is therefore on the scale of the Vallée de la Bièvre with the desire to reclaim a channelled and buried river. Ecological rehabilitation techniques are favoured for the renaturation of the riverbanks. The profile of La Bièvre is partly modified for re-meandering and renaturation by plants typical to Ile de France water courses. Several adjustments are made to give sufficient space to the gently sloping riverbanks conducive to biodiversity and guarantee a section large enough for the flow in times of flood.

► PROJECT LIFECYCLE

- In 2019: work starts, following the upstream section already reopened.
- Completion early 2022: opening 14 April 2022.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|---------------------------------|---------|---------------------|
| Number of project beneficiaries | 700,000 | D-6 |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • Follow on from a general feasibility study on the reopening of La Bièvre along its entire route in the Département of Val de Marne supported by the Department, in consultation with all stakeholders. • Part of the Water Development and Management Plan (SAGE) for La Bièvre, managed by a local water commission with different stakeholder groups. • Applications for authorisation/declaration relating to the "law on water" procedures. • Preliminary study for the project with different scenarios to optimise the different components: renaturation and reopening, flood management, enhancement of the site to accommodate the public, cost control. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> • Offer inhabitants a place of freshness and natural respiration. • Biodiversity in the city. • Contribute to sustainable flood management. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> • Great improvement in the living conditions in the city (calming routes; green spaces; the towns directly concerned - Arcueil and Gentilly - are in a priority "highly deprived" area in terms of green spaces). • Residents' reappropriation of the reopened La Bièvre, showcasing the cultural and landscaped heritage of the valley. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> • Promoting access to the Marne and a response to all the previously identified issues with all partners and people concerned, namely ecological, tourism, social, historical and regulatory issues. • New path along the reopened Bièvre in a deprived sector (enormous motorway viaduct) allowing proximity to the river and its banks while protecting them from trampling and along the nearby street network; part of an overall project which crosses through many popular districts; island of freshness effect beneficial to public health. |
| Respect for fundamental rights | <ul style="list-style-type: none"> • This project was subject to an environmental and health impact analysis as part of a public enquiry. |
| Responsible regional development | <ul style="list-style-type: none"> • Development of public access (residents, walkers, cyclists, departmental park users) in the area surrounding the river. |
| Regional economic development | <ul style="list-style-type: none"> • Improve the attractiveness of the region. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • Application of the public procurement contract code by the project's contracting authority. |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> • Project has been subject to a consultation with all stakeholders: state services, relevant municipalities and EPT, Region, water agency, associations, residents. |

Work starts



Work in progress



Work ends



RESTORATION OF THE BANKS OF THE MARNE, THE STREAM OF BRAS ST PERE AND ASSOCIATED SPACES OF THE QUAI DE LA GOURDINE AT LAGNY-SUR-MARNE

Relevant example of the Protection of biodiversity, water policy and cross-cutting actions scheme

NEW PROJECT



| | |
|--|--|
| Purpose | Reconstitution of the ecological continuity of the banks of the Marne as part of the overall project to welcome the public |
| Location(s) | Lagny-sur-Marne |
| Key dates | Work launched in 2019, completion in 2021 |
| Total project cost | €1.7 million |
| Financing by the Region in the total amount of the project | 22,5% |
| 2021 financing through the green and sustainable bond | €0.075 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The regeneration of the banks of the Marne is a priority for the Marne and Gondoire Agglomeration Community, the project's contracting authority, and its municipalities that wish to restore the environment, enhance the Marne along its length and open it to the public. It is part of the dynamic supported by the Marne Brosse and Gondoire Territorial Coherence Scheme (SCOT) and is central to the blue corridor identified in the Objectives Guidance Document (DDO) of the SCOT. Furthermore, the towpath is registered as a "leisure route" in the Marne and Gondoire Greenways Master Plan.
- The project, supported by the Marne and Gondoire Agglomeration Community, concerns Lagny sur Marne, on the left bank of the Marne. It covers 1,000 m along the Quai de la Gourdine alongside the Marne and the areas of the associated floodplain around the old arm of the Marne which is now the stream of Bras St Père.
- In this phase, which concerns the stream of Bras St Père and the associated spaces, a sector called "Parc Saint-Père" and "Ferme des Saules", the plan is to thin the riparian forest to allow more sun to penetrate the wetlands and the water and develop the herbaceous

stratum and vegetation favourable for dragonflies and amphibians. The steep left bank upstream of the stream is reprofiled into a gentle slope over 90 m to diversify the flow and promote biodiversity. Paths and platforms in wooden planking and two pedestrian footbridges to cross the stream will help to respect the environments by directing the pathways. The developments of the existing service roads (avenue du Bras Saint-Père) are reflected in a clear unsealing of 600 m² which is 12.5% of their surface area (grass-covered slabs and green path spaces collecting water). The lighting is also renovated to respect the environments (presence sensor, low intensity, yellow-orange colour and not white).

► PROJECT LIFECYCLE

- In 2019: work starts.
- Completion mid-2021 (large path, different components, work dependent on seasons particularly for planting)..

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|---------------------------------|---------|---------------------|
| Number of project beneficiaries | 107,949 | D-6 |

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Applications for authorisation/declaration relating to the "law on water" procedures. Completion of a preliminary study for the project with different scenarios to optimise the different components: activities, ecological protection, enhancement of the site to accommodate the public.. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Diversify the riparian forest to allow more sun to penetrate the wetlands and the water and develop the herbaceous stratum and a vegetation favourable for dragonflies and amphibians (optimal diversification of riparian plant formations for ecological development). Reprofiling of the steep left bank upstream of the stream into a gentle slope over 90 m to diversify the flow and promote biodiversity. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Improve the attractiveness of and visitor numbers to the banks of the Marne. Contribution to objective 1 of the SCOT "Sustain and enhance the natural and agricultural potential" which has resulted in the establishment of a Protective Perimeter for Natural and Peri-urban Agricultural Spaces (PPEANP) in the Marne and Gondoire area with the support of the Département, the 3rd objective of which is to "perpetuate, even create, major ecological continuities and green corridors". Implementation of the objectives set out in the Protective Perimeter for Natural and Peri-urban Agricultural Spaces (PPEANP) of the Marne and Gondoire Agglomeration Community and those in the Marne and Gondoire Greenways Master Plan. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Promoting access to the Marne and a response to all the previously identified issues with all partners and people concerned, namely ecological, tourism, social, historical and regulatory issues. New pathways (planking) allowing access to the natural environments while protecting them from trampling, connected to the street network and close to specific parking spaces, which will help to improve relationships between the territories and allow people to discover the environments. |
| Respect for fundamental rights | <ul style="list-style-type: none"> This project was subject to an environmental and health impact analysis as part of a public enquiry. |
| Responsible regional development | <ul style="list-style-type: none"> Development of public accesses around and along the length of the Marne. |
| Regional economic development | <ul style="list-style-type: none"> Improve the attractiveness of the region. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Application of the public procurement contract code by the project's contracting authority. |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Project has been the subject of a consultation with all technical operators: State, Département, Regional and water agency services. |



AFFORDABLE HOUSING



Projects to develop the social housing stock for families, young people and students, meeting environmental and social requirements and contributing to a reduction in the region's social divides.

In addition to supporting the new offer of social housing for families, young people and students, the regional policy implemented since 2016 also aims to revive the creation of intermediate housing for the middle classes. This means overcoming the difficulties encountered by the middle classes in finding somewhere to live in the Ile de France region and works towards greater social diversity. The Region, by adopting the Regional Plan for Higher Education, Research and Innovation (SRESRI), also committed to developing a "general regional policy to improve the living conditions of students".

- **Region's jurisdiction:** optional.
- **Form of interventions:** subsidies to social contracting authorities, mixed ownership construction companies, associations and bodies approved under the integration contracting authority, regional authorities and their groups and local public companies.
- **Target audience:** students, households where the income is eligible to apply for intermediate or social housing.

CHARLOTTE PERRIAND RESIDENCE

NEW PROJECT

Affordable housing



| | |
|--|--|
| Purpose | Creation of a residence for subsidised students |
| Location(s) | Antony |
| Key dates | Planning permission granted 12/09/2016, building delivered late 2018 |
| Total project cost | €9.6 million |
| Financing by the Region in the total amount of the project | 13,7% |
| 2021 financing through the green and sustainable bond | €1.3 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- This programme is part of the global restructuring project for the site of the Jean Zay student accommodation comprised of 2,049 accommodation units in 7 buildings across 11 hectares which no longer satisfied current student accommodation standards.
- This block of 179 student accommodation units, the management of which was assigned to CROUS de Versailles, is located near the Parc de Sceaux, not far from the town centre and its shops. It is located at least 600 metres from the "La Croix de Berny" RER B railway station. In particular, the student residence will include a multi-purpose room, a launderette and bike sheds.
- The travel time by RER B is approximately 15 minutes to reach the "Denfert-Rochereau" station, 20 minutes for the "Luxembourg" station and 25 minutes for the "Châtelet-Les Halles" station, therefore providing fast access to the sites of the Paris universities. In addition, the Sceaux Technical Institute (IUT de Sceaux) and the Jean Monnet Law Faculty are around 15-20 minutes by bus.

- This residence will benefit from the highly efficient -10% NF Habitat HQE environmental certification. It will have gas district heating and cover at least 30% of its domestic hot water requirements through a heat pump system.
- Operation to create a residence for subsidised students intended in particular for scholarship holders with managed fee amounts (rent + charges) implementing a certified approach to sustainable development with an ambitious energy label, higher than the legal minimum at the time. Programme with green roofs and a heat pump to cover some of the domestic hot water requirements.

► PROJECT LIFECYCLE

- The residence was delivered in late 2018.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|---------------------------------|--------|---------------------|
| Number of project beneficiaries | 179 | D-2 |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

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|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Highly efficient NF Habitat HQE environmental certification.. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> According to the French Agency for Ecological Transition, ADEME, the heat pump is a piece of thermodynamic heating equipment that uses renewable energy. It collects calories from a renewable source such as the outdoor air, water or ground, and transfers them to another environment (a building, office, housing, etc.) at a higher temperature. The heat pump can exploit different sources of renewable energy due to its many variations. -10% Label: As its name suggests, this label strives to reduce the environmental footprint of housing units by 10% compared with the standards set by the 2012 Thermal Regulations. The building's primary energy consumption, or "PEC max", must be at least 10% lower than that defined by the State for the RT 2012 |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Green roofs to help with rainwater retention, district cooling by evapotranspiration, reducing reflections and thermal or solar radiation and trapping dust. These roofs also provide insulation and encourage biodiversity. This programme is part of a far larger project with the aim of offering diversified residential development in a quality living environment that provides a better response to the needs of local populations and ensures the continuity of residential life. Public facilities will be created (crèche, media library, school group), 600 trees planted and 140 trees retained, the overall project plans to reduce the sealing rate of the plot. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> The Jean Zay joint development zone (ZAC) of which this operation is part is an overall project integrating different types of programmes (home buying, subsidised housing) and buildings (family homes, student accommodation) providing a diversity of occupancy and pathways. Several public facilities are planned to satisfy inhabitants' requirements (crèche, school group, media library). Creation of a residence for subsidised students of 179 new accommodation units for students and intended in particular for scholarship |
| Respect for fundamental rights | <ul style="list-style-type: none"> Joint development zone project implemented in consultation with citizens (public consultation and meetings, revision of the local urbanism plan (PLU) subject to investigation, etc.). Provides better access to higher education for scholarship students. 9 accommodation units directly accessible to students with disabilities. |
| Responsible regional development | <ul style="list-style-type: none"> The Jean Zay joint development zone of which this operation is part provides for: <ul style="list-style-type: none"> the creation of pedestrianised areas (a square, a promenade and two alleyways) providing an urban and landscaped link with the rest of the town and the Parc de Sceaux, a reduced sealing rate of the plot, the planting of 600 trees, 70% of the rights of way on the plots covered with vegetation (33% in open ground) and 80% of the green areas of public spaces in open ground, the choice of for highly reflective clear. |
| Regional economic development | <ul style="list-style-type: none"> The project is involved in supporting and creating jobs. According to the ratios of the Ministry of Sustainable Development, €1 million of work provides 11.6 FTE. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Implementing professional integration clauses in the operation. Transparent processing with clearly explained eligibility criteria in a framework deliberation accessible by all. |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Prior consultation with inhabitants as part of the development of the ZAC, organisation of a public consultation allowing residents of Antony to express their expectations and hold various public meetings. Submission of the package and the allocation proposal to the thematic committee, vote by the standing committee. |

ACCESS TO ESSENTIAL SERVICES: HEALTH

In Spring 2020, the Region swung into action in the face of the Covid-19 crisis as part of Act 1 of its Recovery Plan, financing support schemes for the economy, health and education in line with its green and sustainable operations framework.

Faced with the consequences of the crisis on certain vulnerable populations, the Region intervened by investing in care for those suffering from Covid-19. In this respect, it financed the increase in intensive care capacities in the Ile de France region through the purchase of intensive care equipment.

The Ile-de-France Region is fully mobilised in the fight against Covid-19 and its economic and social consequences and has deployed a threefold Recovery Plan:

> **Act I** was ratified with the vote of the 2020 supplementary budget on 11 June 2020; it commits almost €1.3 billion of emergency support expenditure focused on the economy, employment, solidarity and health and the environment,

> **Act II**, devoted to the Region's ecological and environmental transition, was reflected by the holding of a climate conference in September 2020, the regional COP for a greener Ile-de-France Region, from which emerged 192 proposals for a "Zen, Zan and Circular" region (net zero emissions, net zero artificialisation and net zero resource) and which has gradually been implemented since 2020.

> **Act III** of the regional recovery is an unprecedented multi-year investment plan of €20 billion for 2021 to 2027 in all the Region's fields of intervention, as powerful support for economic recovery.

- **Region's jurisdiction:** optional.

- **Form of interventions:** territorial-based actions as part of the regional development contract with other public actors; subsidies to contracting authorities.

- **Target audience:** vulnerable populations.

DEPLOYMENT OF TEMPORARY INTENSIVE CARE BEDS

NEW PROJECT

Support for critical care service in Ile de France hospitals

| | |
|--|--|
| Purpose | Optimise the conditions for taking care of those suffering from COVID 19 by increasing the Ile de France's capacities in terms of intensive care |
| Location(s) | Île-de-France Region |
| Key dates | February-June 2021 |
| Total project cost | €10 million |
| Financing by the Region in the total amount of the project | 100 % |
| 2021 financing through the green and sustainable bond | €2.9 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

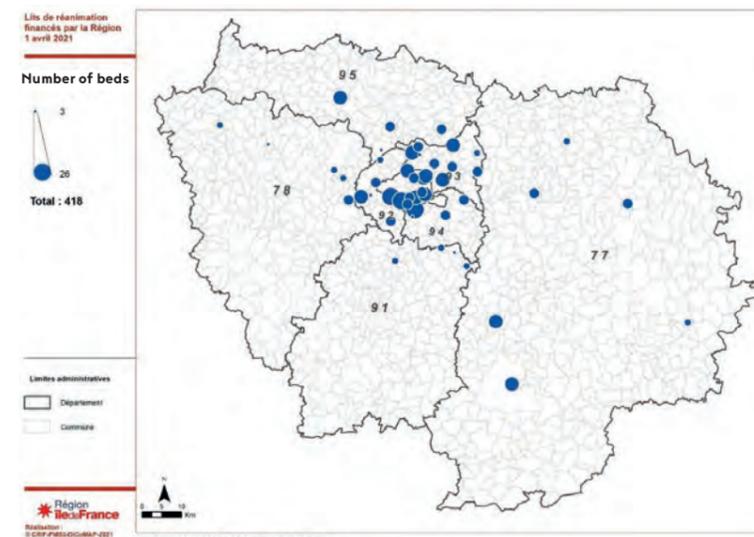
- In order to bolster Ile de France critical care services, make the healthcare system more resilient and help to prepare for any new crises, the Ile-de-France Region, with the support of the European Union as part of the REACT-EU initiative has decided to invest 10 million euros to create 500 modular beds in intensive care departments (which is 40% of additional intensive care capacity).
- Based on the concept of temporary intensive care introduced by the National Professional Council (Conseil National Professionnel - CNP) of anaesthetists and intensive care staff, the programme aims to improve the quality, safety and relevance of intensive care over the long term. It is based on 3 main principles:
 - predictive monitoring of the patient using artificial intelligence (monitoring systems) which avoids damage to organs and major treatment;
 - non-invasive ventilation and high-speed oxygen therapy (respirators);
 - training in the equipment supplied for nursing staff.

► IMPACT INDICATORS RELATED TO THE PROJECT

| | |
|---|-----------|
| Total reimbursement requests | 48 |
| Full reimbursement requests received in 2021 | 17 |
| Reimbursement requests honoured in 2021 | 17 (100%) |
| Health professionals trained in 2021 | 1,500 |
| Number of intensive care beds created or upgraded | 421 |
| Increase in the capacity of intensive care beds | 35 % |

► REIMBURSEMENTS ARE SPREAD OVER THE 2021 AND 2022 FINANCIAL YEARS.

In 2021, 2.9 million euros were reimbursed to 17 establishments that presented all the required elements.



Built by working closely with the hospitals, this programme was deployed in less than 3 weeks due to the mobilisation of the UNI-HA purchasing group and the PHILIPS company, winner of the call for tenders.

Hospitals were able to purchase temporary intensive care equipment that satisfied their needs due to the Ile-de-France Region paying for them in full. From February to June 2021, nearly 10 million euros were spent for 48 Ile de France establishments resulting in the creation or upgrade of 421 temporary intensive care beds. In total, the programme financed 532 monitors and respirators. Furthermore, the teaching hospitals of Martinique and Guadeloupe were also supported along with the Cayenne Hospital Centre in Guiana.



AFFORDABLE BASIC INFRASTRUCTURES

(TRANSPORT, ENERGY, GREEN SPACES AND SPORT INFRASTRUCTURES)



Development, construction and renovation of basic infrastructures enabling all human beings to thrive, including a sustainable development approach.

The Region works to develop basic infrastructures in terms of local renewable energies and energy efficiency, green spaces, the preservation of natural environments and biodiversity and the development of sports facilities.

By investing in the best infrastructures, the Region wants to improve the comfort of users and residents, particularly in the context of welcoming the sporting delegations for the Olympic and Paralympic Games in Paris in 2024. The Region's leisure islands, set across 3,000 hectares of nature in total, offer the opportunity to escape and relax, but also to practice many sporting, leisure and cultural activities.

• **Form of interventions:**

- Sporting facilities: subsidy or direct contracting authority,
- Leisure islands: direct contracting authority (regional properties).

• **Target audience:** residents, amateur and professional athletes.

RENOVATION OF THE FOOTBALL CLUB TRAINING CENTRE - RED STAR NEW PROJECT

Example: renovation project for a regional sports facility



| | |
|---|--|
| Purpose | Renovation of the training centre on the Marville site in La Courneuve |
| Location(s) | 51 avenue Roger-Salengro 93120 La Courneuve |
| Key dates | 2020: work begins - 2021: commissioning |
| Total project cost | € 2.2 million |
| Financing by the Region in the total amount of the project | 62,50 % |
| 2021 financing through the green and sustainable bond | € 1.0 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- La Seine-Saint-Denis, and more specifically Ile de France are exceptional recruiting grounds for football. Most professional French players come from this region. But without a comprehensive training offer, these apprentice footballers are quick to leave for centres outside Ile-de-France, far from their family environment. This uprooting is a cause of failure and even in the most successful training centres, few have the chance to achieve professional status. For those who fail, professional integration can prove difficult. And for those who succeed, the change at the end of their career is also very difficult.
- The main objective of the training centre is to succeed in training all talented young footballers in their region of origin. A training centre at Red Star must be created in line with the club's values. Culture and education must be central to the project. It involves training footballers but also men. Special effort will be made on openness to culture and personalised follow-up of the education. Professional integration must also be central to concerns (with partner companies, universities and learning centres).

- The Red Star project is designed to renovate the training centre on the Marville site and especially the main pitch, the training pitch and the historic grandstand. For the main pitch (size 105 m x 68 m), the work concerns the replacement of the natural turf, the implementation of a new watering system, the replacement of the sports lighting and repair of the electrical system. For the training pitch (size 105 m x 68 m), the work focuses on the replacement of the existing turf, the implementation of a new watering system, and the installation of four lighting masts. The work on the grandstand concerns the repair of the terraces, installing new seats and creating four new accesses to the stand.

- The work on the external façade concerns the repair of broken windows and cleaning. The basement, ground floor, mezzanine and first floor of the historic grandstand are comprised of changing rooms, offices and various rooms and are subject to a complete renovation (floors, walls, ceiling, electricity, etc.).

► PROJECT LIFECYCLE

- The work completed in late June 2021 allowed training for the professional team at Marville to resume from the 2021-2022 season.

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

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|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Use of wood for internal fittings. Use of materials that use fewer natural resources. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> The worksite was managed so as to minimise its environmental impact (optimising waste management minimising nuisances Saving drinking water was one of the challenges of this project. Water-saving solutions have been installed (water-saving taps for basins and showers, push taps for the showers, water-saving flushes) |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Materials requirements. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Improved accessibility of the site for people with reduced mobility Preventing health risks for the site personnel who will be provided with appropriate personal protective equipment (ear and eye protection, helmets, gloves, protective trousers and shoes, etc.) |
| Respect for fundamental rights | <ul style="list-style-type: none"> Project promoting access to sport and development in the professional world. |
| Responsible regional development | <ul style="list-style-type: none"> Project involved in improving the attractiveness and development of professionalism in sport. |
| Regional economic development | <ul style="list-style-type: none"> Project promoting the creation of exceptional pools of talent for football in the Île de France region. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Application of the public procurement contract code Allocation of the work contract to encourage competition and access to contracts for SMEs |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Consultation of all stakeholders from the project design phase across the different definition phases of the development project. |

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|---------------------------------|--------|---------------------|
| Number of project beneficiaries | 60 | D-8 |



CREPS - CHATENAY MALABRY

Reconstruction and restructuring of the CREPS site



| | |
|---|---|
| Purpose | Reconstruction and restructuring of the CREPS site |
| Location(s) | Chatenay Malabry (92) |
| Key dates | Procedure launched in 2020 Delivery first quarter 2024 |
| Total project cost | €32 million |
| Financing by the Region in the total amount of the project | 100 % |
| 2021 financing through the green and sustainable bond | €4.3 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- This operation is part of an overall project initiative for this site and has the following objectives: development of the CREPS as part of welcoming the sporting delegations under the Olympic and Paralympic Games in Paris in 2024, improving the reception conditions for elite athletes and making the different site functions consistent, reshaping the CREPS boundaries which involves three buildings at the East of the site being released from all activity and transferred to the West of the site (reception, administration, catering and training rooms) and hosting additional sports centres, in addition to the six top-level sports centres and the ten Espoirs centres currently located on the Ile-de-France CREPS site.
- The project also provides for producing additional sports facilities, creating a small community (8) housing units and redeveloping outdoor spaces following the structuring of the site's functions.

► PROJECT LIFECYCLE

- Le budget global de l'opération a été voté lors des commissions permanentes (CP) des 20 novembre 2019 et 21 janvier 2021.
- The overall budget for the operation was voted on during the Standing Committees (SC) on 20 November 2019 and 21 January 2021.
- The procedure was launched by publishing a call for competition sent on 4 December 2019.
- The first selection panel met on 26 February and 11 March 2020 and the proposed winner panel met on 22 March 2021. The contract was awarded at the Tenders Commission meeting on 9 April 2021.
- Commencement of work: September 2022.
- End of work: first quarter 2024.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|---------------------------------|--------|---------------------|
| Number of project beneficiaries | 320 | D-8 |



► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|--|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> The group includes INCET for environment- and energy-related tasks. The candidate has committed to energy consumption performances and obligations of means and results for air quality and summer comfort. A commissioning process is planned for the project (a commissioning agent is involved in the project in the operating phase). The energy performance contract is twofold, through an intrinsic energy performance guarantee up to acceptance of the buildings and the definition and monitoring of actual energy targets during the operating phase, by setting up a Measurement and Verification Plan. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Limiting energy consumption by achieving level E3 overall (achieved by using 23 kWp of photovoltaic solar panels) and by controlling consumption in operation (energy performance commitment). Limiting carbon emissions by achieving level C1 overall and using bio-based materials (18 kg/m² of floor area achieved due to the wooden framework of the sports building in particular). Limiting water consumption through rainwater recovery for watering. Limiting sealing/enhancing biodiversity/combating the effect of urban heat by using permeable parking spaces (grassed or gravelled concrete hollow-core slabs) and through 36% green roofs. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Performance-related objectives relating to indoor air quality, summer comfort and expected service levels. Inclusion of energy objectives in the programme. Materials requirements (limiting the carbon impact, bio-based sector). Environmental requirements relating to rain water collection, limiting the sealing and green roofs. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> Bringing the site up to standard to provide access for people with disabilities. Preventing health risks for site personnel, who will be provided with appropriate personal protective equipment (ear and eye protection, helmets, gloves, protective trousers and shoes, etc.) listed in the company's Special Safety and Health Protection Plan (PPSPS). Mandatory professional integration hours for the group. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Respect for fundamental rights established under public procurement contracts.. |
| Responsible regional development | <ul style="list-style-type: none"> Project encouraging access by soft modes (pedestrians, bicycles and public transport) tram stop in front of the site. Landscape redevelopment of part of the site into a pedestrian area. |
| Regional economic development | <ul style="list-style-type: none"> Receiving international sporting delegations. Promoting French sports teams worldwide. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> This process is conducted as part of an Environmental Quality approach in accordance with the Region's objectives and is subject to specific specifications. |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Consultation of all project stakeholders (management, teachers, service personnel, sports movement, associations) on the various definition phases of the development project and throughout its execution. |



Dedicated website: <https://www.adie.org/>

DEVELOPMENT OF THE CORNICHE-DES-FORTS LEISURE ISLAND

Outdoor development of an educational trail



| | |
|--|---|
| Purpose | Outdoor development of an educational trail |
| Location(s) | Romainville |
| Key dates | Start of project October 2019, Open to the public June 2021 |
| Total project cost | €14.7 million |
| Financing by the Region in the total amount of the project | 100 % |
| 2021 financing through the green and sustainable bond | €2.4 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- The Corniche des Forts is made up of several parks in the municipalities of Lilas, Romainville, Pantin and Noisy le Sec. Within this area, only the central part, at Romainville, has remained closed to the public for safety reasons linked to the presence of old underground quarries. It is this central part that is the focus of the current work.
- In 2016, the project took a new direction by reducing its scope thereby limiting its impact on the environment and in particular reducing the deforested area and deploying the financial resources to qualitative developments.
- The selected scenario consisted in reusing the sandstone that had been present on the site since August 2015. It also restricted the regional scope of action (from 12 ha to 8 ha) while opening to the public (4.5 ha) and creating more qualitative surfaces along with a looped walking route which could be used to explore the site and provide a link to the town centre.

- This reduced the environmental impact compared with the previous project (4.3 ha cleared compared with 6 ha), particularly by decreasing the deforested area and dealing with invasive species through eco-grazing. Eventually, it also led to the creation of structuring activities (tree climbing, pony club, etc.), making the site attractive and offering development opportunities for projects that are pathways for revenue that the other scenarios did not allow.

► PROJECT LIFECYCLE

- Construction began in 2019.
- The project was unveiled on 21 May 2021 and was subsequently opened to the public.

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|--|---------|---------------------|
| Inclusion FTE supported by the project | 2 FTEs | B |
| Number of project beneficiaries | 147,565 | D-6 |

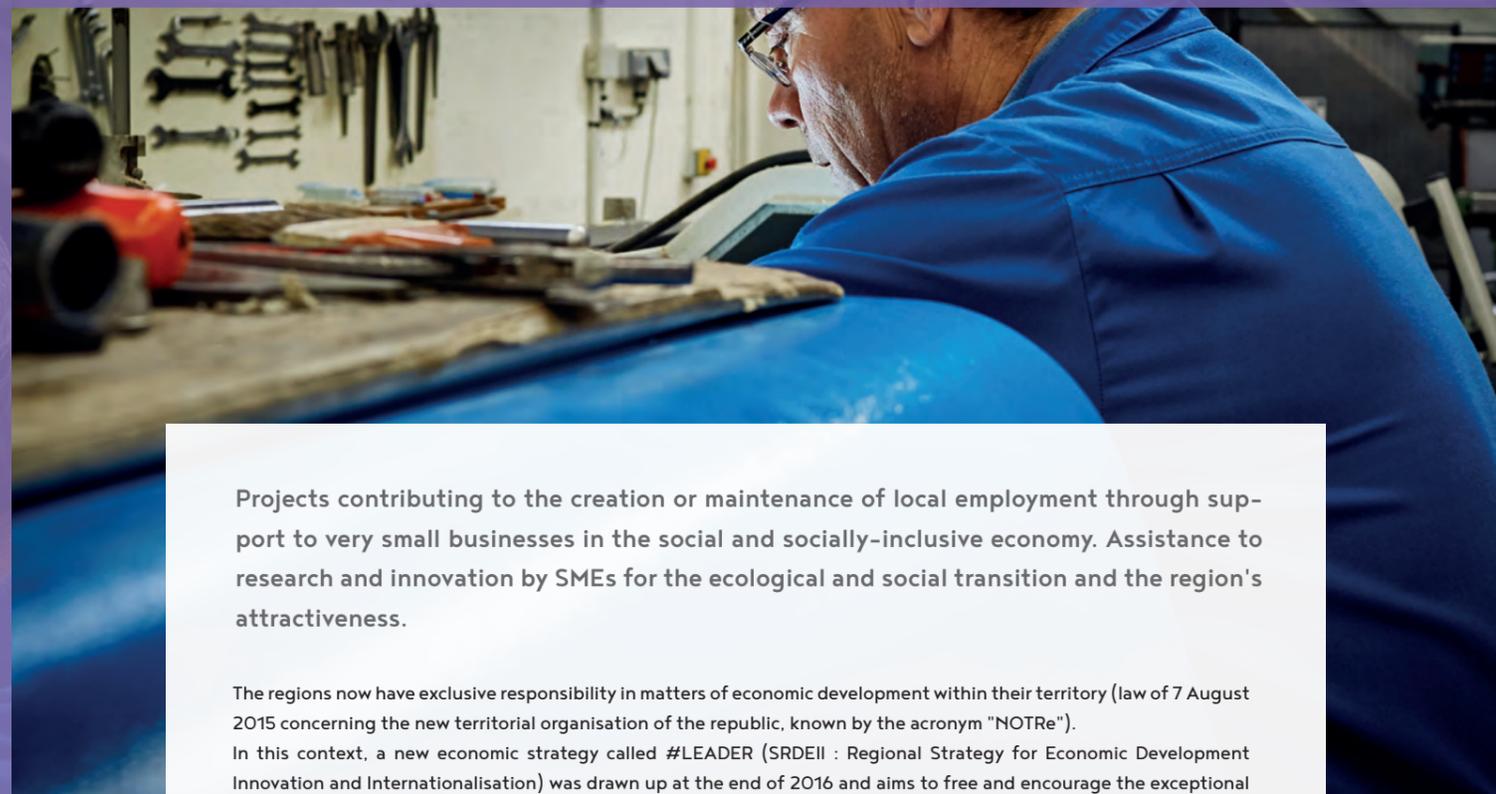


► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> Landscaping to promote biodiversity and designed to: Protect the fauna and flora on the site, monitor its development and signpost sensitive areas; Recreate open environments (meadows) beneficial for enhancing biodiversity; Create substitute habitats (nesting boxes for birds, hedgehog hotels, bat shelters, etc.); Reconstruct continuous wooded areas by maintaining wooded edges, preserving thickets and trees attractive to wildlife; Combat invasive species (Japanese knotweed) by introducing eco-grazing; Create ditches and a landscaped pond; Create an ecological walk, a trail for discovering of the natural environment with random lookout points to encourage nature watching, especially birds, and raise users' awareness of the issue of biodiversity in an urban environment; In addition to the Landscape Project Manager, the Region has appointed an Ecologist to guarantee this service and produce and monitor a green site charter. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> Plant new trees (123 trees measuring 2.00 to 2.50 metres when planted), new edges and afforestation: enriching biodiversity, reconstituting a future oak-hornbeam woodland, tree seedlings (maples, hornbeams, wild cherry trees, oaks, linden trees) 4,063 plants, shrub seedlings (hazel, spindles, sloes, dog roses, viburnums, etc.) 3,074 plants. In total, 7,137 stem seedlings (between 1.00 m and 1.25 m). 32,697 plants will also be planted (undergrowth perennials, perennials for ponds and ditches or climbing plants). Rehabilitation of a 15 ha wood on the Vaires-Torcy leisure island to encourage biodiversity. Forest offsets on 15 ha on the Ile-de-France forests near the site (93 and 77). |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> Opening of 4.5 ha to the public of a site closed for over 50 years; Development of a play area; Creation of structuring activities (tree climbing, pony club, etc.), making the site attractive; Creation of lookout points to encourage nature watching, especially birds, and raise |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> The Corniche des Forts development is intended to provide Eastern Paris with a green lung in an area that is especially deprived of this. The region currently has about 6 m2 of green spaces accessible to the public per inhabitant compared with 15.6 m2 per inhabitant for Greater Paris. This project aims to improve the equality of treatment between the inhabitants of the Region. |
| Respect for fundamental rights | <ul style="list-style-type: none"> Respect for fundamental rights established under public procurement contracts. |
| Responsible regional development | <ul style="list-style-type: none"> A core area of 20 hectares of woodland at a young stage of development will be protected. Closed to the public, it will be allowed to develop and become a natural mature woodland. 4.5 hectares open to the public respecting biodiversity, with developments limited to the edges of the existing protected natural woodland.. |
| Regional economic development | <ul style="list-style-type: none"> The project also eventually leads to the creation of structuring activities (tree climbing, pony club, etc.), making the site attractive and offering development opportunities for projects that are pathways for economic development. |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> Application of the public procurement contract code. |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> Meetings with associations were held regularly, including on 27 April 2017, 18 January 2018, 14 June 2018, 6 October, 14 and 20 November 2018. Other site meetings and inspections took place as the project moved forward. Two presentations at a Joint Association (Syndicat Mixte) meeting: in October 2017 and 22 January 2018. The main issues, relayed by a desire from the Est Ensemble public territorial establishment, covered the continued development of Corniche des Forts beyond the current phase. Extensive communication began in late September 2018: publication of a leaflet, information to local residents (letterboxes), creation of a website specific to the project https://www.lacornichedesforts.fr/ and communication on the project's progress (presentation panels, videos, etc.). A mediation was set up between the Region and the Environnement 93 and Coordination Eau IDF associations. At its meeting on 1 April 2021, the standing committee approved the agreement protocol with the associations and the Romainville municipal authorities. |

SUPPORT FOR EMPLOYMENT CREATION, PREVENTION & FIGHT AGAINST UNEMPLOYMENT RELATED TO CRISES

(INCLUDING THROUGH SMES & MICS FINANCING MEASURES)



Projects contributing to the creation or maintenance of local employment through support to very small businesses in the social and socially-inclusive economy. Assistance to research and innovation by SMEs for the ecological and social transition and the region's attractiveness.

The regions now have exclusive responsibility in matters of economic development within their territory (law of 7 August 2015 concerning the new territorial organisation of the republic, known by the acronym "NOTRe").

In this context, a new economic strategy called #LEADER (SRDEII : Regional Strategy for Economic Development Innovation and Internationalisation) was drawn up at the end of 2016 and aims to free and encourage the exceptional potential for growth, jobs and innovation in Île-de-France. It is based on 4 themes: investing in attractiveness, developing competitiveness, developing entrepreneurial spirit and innovating in all territories, and acting collectively at the service of companies, employment and the region. To this end, responding to the environmental stakes meets the objective of identifying all the possibilities in terms of economic activity, employment and innovation, and improving the living environment of the Île-de-France region.

In addition, the Region of Île-de-France, which also has responsibilities in higher education, research and innovation, adopted in 2017, after a wide-ranging consultation with various audiences (economic actors, researchers and lecturers, students, teachers, trainees of vocational training) its New Regional Scheme for Higher Education, Research and Innovation.

Innovation, quality and excellence are at the heart of this regional strategy, which is structured around major orientations: finding one's path, changing one's path and finding a job throughout life, making the Île-de-France a world reference in science and technology, and supporting world-class universities and campuses in the region.

- **Region's jurisdiction:** mandatory.
- **Form of interventions:** grants, endowments, equity participation.
- **Target audience:** SOHOs and SMEs, competitiveness clusters, investment funds for SMEs, funds for interest-free loans, associations of social and inclusive economy.

One project financed in 2021 by the green and sustainability bond:
Support for social and solidary economics: - Scheme to support the micro-credit activity of ADIE.

SUPPORT FOR THE ACTIVITY OF THE ASSOCIATION FOR THE RIGHT TO ECONOMIC INITIATIVE (ADIE)

Example of project to Support social and solidary economics



| | |
|---|--------------------------------------|
| Purpose | Local support and financing via Adie |
| Targeted economic players | Public very distant from employment |
| Total project cost | € 1.0 million |
| 2021 financing through the green and sustainable bond | € 1.0 million |

► QUALITATIVE PRESENTATION OF THE PROJECT

- Support for the activities of ADIE, France Active and departmental platforms for loans on trust in order to promote sustainable social inclusion of the public which is very distant from employment: the funding proposed by ADIE facilitates the entrepreneurial activities of members of the public which are overwhelmingly beneficiaries of the minimum socially guaranteed income and have great difficulty accessing bank credit.
- The Île-de-France Region has put in place a new Entrepreneurship#Leader 2017-2021 entrepreneurship policy that aims to deploy a local, legible and effective support and financing offer for the 25 employment areas in the Paris region. This offer will include a unique and coordinated path of support and funding. ADIE, France Active and departmental platforms for loans on trust are ones of the selected operators who offer this unique coordinated path of support. Through the aforementioned operators, the point will be to integrate in the best way possible support for the creation / takeover of companies by people who have the most difficulties finding a job.
- Entrepreneur # Leader breaks down into 3 phases (prior to creation, funding and post-creation).
- Adie supported 1,179 young entrepreneurs with financing in 2021, including 42% on minimum social benefits and 28% without qualification. They count 43% women and 23% young entrepreneurs aged less than 30 years old. 35% of the beneficiaries come from QPV (priority town policy neighbourhoods). They are also operators in the post-creation phase (support step 3).

- Under the Entrepreneur # Leader, Adie offers individual financing support for business starts-up for up to three years in business.
- The aforementioned operators functions in conjunction with other actors in accompaniment or financing of business creation. For example, ADIE relies on 160 volunteers, former heads of businesses that invest in skills. This accompaniment network contributes to the fight against exclusion, reduction of inequalities, prevention of risks relating to health, improvement of living and working conditions.

► PROJECT LIFECYCLE

• Example of a business creation project supported in 2021:

An entrepreneur was supported by Adie for her project of sports activity sessions and sports leisure stays for people with autism. Directly concerned by her son's autism, she noticed a lack of solutions for a positive evolution of people with autism in France and wanted to react. With her team, she designs sports programs that develop basic skills such as motivation self-confidence, with an emphasis on social and behavioral techniques in a natural context. With funding from Adie, she was able to train in communication and marketing to develop her company Autisme Évasion and is currently developing new formulas such as internship stays. This young company, based in Paris, which offers activity sessions and sport leisure stays for people with autism, is the winner of the Senior Créadie category.

► JUSTIFICATION OF THE ELIGIBILITY OF THE PROJECT FOR EACH CRITERIA

| | |
|---|---|
| Environmental management and eco-design of projects | <ul style="list-style-type: none"> • This mechanism does not include a specific environmental approach, but the creators of businesses supported have an environment-linked project or can incorporate issues relating to the ecological transition. |
| Combating climate change and promoting the Region's green transition | <ul style="list-style-type: none"> • This mechanism does not include a specific environmental approach, but the creators of businesses supported have an environment-linked project or can incorporate issues relating to the ecological transition. |
| Contributing to the Region's sustainable development and the improvement in quality of life | <ul style="list-style-type: none"> • Adie has thus contributed by providing microcredit and loans on trust: 1,179 young entrepreneurs. • This involves projects that create wealth and social links: support for residential activities, support for itinerant or sedentary commercial activities, which thus contribute to maintaining small local shops or developing new services for the population and businesses. • Adie supports projects in all 25 Ile-de-France employment areas. |
| Contributing to socially-inclusive development, combating inequality and promoting the safety of individuals | <ul style="list-style-type: none"> • 1,179 business start-ups (and as many jobs created) including 43% by women (against 29% nationally) and 35% of creators from priority neighbourhoods (against 7% nationally). • 42% by people on minimum social benefits (against 7% on average in France) and 28% without qualification. • Sustainable economic insertion: 97% of creators are inserted professionally and 85% are still in business three years after obtaining financing. |
| Respect for fundamental rights | <ul style="list-style-type: none"> • Right to entrepreneurial initiative for all, equality of opportunity. • Combating social and regional inequalities. • Fight against exclusion from banking services. • Fight against discrimination (equality between males/females, origins, skills) |
| Responsible regional development | <ul style="list-style-type: none"> • 35% of beneficiaries come from the town policy neighbourhoods. • 65% of beneficiaries live in urban areas. |
| Regional economic development | <ul style="list-style-type: none"> • Each creator financed by ADIE, France Active and departmental platforms for loans on trust created an average of 1 jobs, for about 1,179 total jobs created in 2021. The survival rate of businesses is 85% after 3 years (compared to 63% on average at national level) |
| Fair practices, responsible purchasing and responsible supplier relations | <ul style="list-style-type: none"> • Adie makes microcredit decisions on an on-going basis and guarantees fair treatment of applicants. • All the advisers are trained in combating discrimination (gender, geographical origins). |
| Promoting suitable consultation with internal and external stakeholders | <ul style="list-style-type: none"> • An annual steering committee gathers all the partners and sponsors. • An Annual General Meeting with presentation of the balance sheet and future outlook. • Entrepreneur # Leader, of which Adie is a part, supports 10,000 creators/year on average in Ile-de-France. |



Dedicated website: <https://www.adie.org/>

► IMPACT INDICATORS RELATED TO THE PROJECT

| Indicator | Impact | Methodological note |
|---------------------------------|--------|---------------------|
| Number of project beneficiaries | 1,179 | D-9 |



APPENDICES

1- AMOUNTS DISPLAYED IN THE REPORTING (€ MILLION)

a) Total project cost

For operations of construction, renovation, infrastructure, the amount is calculated by the contracting authority(ies) of the project or its delegate(s), after a projected cost estimate to perform the entirety of the operation.

For the scheme presented, the amount represents the totality of 2020 expenditures which took place for each of the schemes (cf. b below for the methodology).

b) 2021 financing by the green and sustainability bond

The amount shows corresponds with 2021 expenditures related to the corresponding project/scheme. One exception, an amount less than total 2021 expenditures was selected for the project "EOLE", category "Clean transportation".

The amount of expenditures attributable to each project/scheme was controlled by the Control of Management and Systems service (CGSI), within the Pole of Finances of the Ile-de-France Region and by the public accountant.

To do this, the CGSI recovered credits from payouts related to each project/scheme, in the fiscal year corresponding with the reporting year. The identification of the credit payments in question are done through data retrieval tables in the computer of the Institute of International and Strategic Relations (Institut de Relations Internationales et Stratégiques - IRIS). The development of these tables requires selecting a search specific to the project/scheme at the level of: a chapter; a function; a program or budget code; an operation; a scheme; a file; a project.

Once the tables are filled they are cross-checked with the CORIOLIS financial management tool, and then checked with all the departments related to the reporting, to ensure consistency with the amounts financed by each project.

2- METHODOLOGY FOR READING EACH PROJECT UNDER THE LENS OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

The process followed has been formalized as follows:

✓ On the one hand, the projects were assessed against twelve objectives out of seventeen. Indeed, **goals N°2, 3, 5, 16 and 17** ("Zero Hunger", "Gender Equality", "Good health and well-being", "Peace, Justice and Strong Institutions" and "Partnerships for the Goals") focus more on the social responsibility of the Region as an institution, than on the nature of the investment projects financed under the green and sustainable bond issue program. Given the geographical situation of Ile-de-France, **goal N°14** "Life below water - conserving and sustainably exploiting oceans, seas and marine resources" does not concern any project in the Paris region (the preservation and restoration of fresh water and wetland ecosystems fall within the scope of **goal N°15**).

✓ On the other hand, some sustainable development goals apply uniformly to all projects eligible for green and sustainable bond, given the project eligibility criteria grid that has been established by the Region (green columns). Thus, each eligible project contributes to the reduction of inequalities and therefore to the struggle against poverty (**goals N°1 and 10**), sustainable development of cities and territories (**goal N°11**), responsible production (**goal N°12**), and the fight against climate change (**goal N°13**, with the exception of the support scheme for business creation).

✓ The contribution of each project to the remaining goals is evaluated on a case by case basis, according to the specificity of each project as described in the sheets accompanying this reporting.

✓ The list of targets for each Sustainable Development Goal is available on the International Labour Organization website: https://www.ilo.org/global/topics/dw4sd/theme-by-sdg-targets/WCMS_558153/lang--en/index.htm

3- METHODOLOGIES RELATIVE TO THE IMPACT INDICATORS FOR THE PROJECT PRESENTED

A: Worksite FTEs supported by the project

A-1: Value of Call for Tenders Excluding Taxes x 43% (BT01 TCE Index) / number of hours worked throughout the construction period.

With 1 hour worked = €30 excl. tax and 1,650 hours worked per year.

A-2: Method of the National Federation of Public Works: € 1 million invested in the public works sector generates 7.1 direct jobs. This ratio is applied to the total amount of the project and thus concerns the entire duration of the project.

A-3: Usage of the employment impact ratio of the Ministry of Sustainable Development (11.6 FTE for € 1 million for works for new construction; 14.2 FTE for € 1 million for renovation works) applied to the cost of the project as a share of the construction works.

A-4: Calculation on the basis of the contract amount exclusive of tax, multiplied by the payroll index, divided by the unit price of the payroll (with 230 days worked on a year of work).

B: Integration FTEs supported by the project

This is the objective for the hours of integration in the specifications of contracts with businesses.

NNumber of hours of integration =

[Size of market Excluding Taxes X share of workers from the State (from 25% to 60%) X Integration rate
(from 5% to 7% depending on the facilitator)] / average hourly cost

The number of hours of integration is then converted into Full Time Equivalents (FTEs) based on the number of days worked in the last year (230 days) and the duration of the works.

When the Region is involved in the project as the contracting authority, the monitoring of following these integration clauses is led by the unit of legal affairs and public markets of the Region. The Ile-de-France Region is supported by facilitators to calculate the hours of integration up to 31/12/2014. Since 1 January 2015, the Region has included in its performing the calculation of hours of integration upstream of the operation in order to have consistency of the calculation across Ile-de-France. The theoretical calculation done by the Region is adjusted with the local facilitator in order to account for the offer of integration across the region. The facilitator effectively follows the integration clauses.

When the Region is involved in the project by providing a subsidy, the contracting authority is responsible for calculating the integration clauses and following their proper application in accordance with the specifications made with the contracting authorities.

C: Operation FTEs consecutive to the project

C-1: Estimation of the annual hourly amount of work for maintenance, regulatory checks and cleaning.

C-2: Estimation or the annual quantity of hours of work for the functioning of the new parts of the project. This estimation is based on the cost of the total wages needed for the functioning of the new parts of the projects, with a total average gross salary of € 45 k (average weighted cost of personnel).

C-3: Number of people working in the facility at 31/12/2017.

D: Number of beneficiaries of the project

D-1: Number of students who will entirely benefit from the project (capacities)..

D-2: Number of places per accommodation: for the student residence = 1 per unit; for the social residence = 2 for the 11 T1 bis studios and 1 for the 50 T1 studios..

D-3: Number of annual visits to the site counted - Source: Study of number of visits (MICA Research).

D-4: Estimation of the number of visits using the traffic modelling (GLOBAL model for RATP and ANTONIN 2 for Ile-de-France Mobilités).

D-5: Estimation of usage by model of traffic forecasting model (Transport Union of Ile-de-France (Ile-de-France Mobilités): ANTONIN 2 (Analysis of Transport and Organization of New Infrastructure - Analyse des Transports et de l'Organisation des Nouvelles Infrastructure), based on transportation behaviour observed by the General Transportation Survey carried out in 2001-2002 with 10,500 Ile-de-France households.

D-6: Population of the cities concerned.

D-7: Number of housing units or equivalent-units supported by the project, multiplied by the average household size in Ile-de-France (2.33 per housing unit, source INSEE).

D-8: Capacity of the facility (number of places).

D-9: number of winning businesses for the scheme in 2017.

D-10: number of businesses and public research establishments having benefitted from a credit allocation in 2017.

D-11: capacity in cumulated totals.

D-12: Number of users of the P line (Paris-Provins via Longueville section) and TER Grand-Est.

D-13: Measure of actual attendance, adjusted for growth forecasts on employment and population.

D-14: Product of the number of dwellings supported on the project, by the number of tenants according to the typology of housing (assignment standards practiced by the lessors, minimum averages observed: 1.5 people for a 2-room unit; 2.5 people for a 3-room unit; 3.5 people for a 4-room unit and 4.5 people for a 5-room unit).

E: CO2 avoided (teq/year) by the project

E-1: implementation of the methodology of the THCE rules on French thermal regulations. The method consists in simulating, in the design stage, the energy consumption of the construction accounting for its performance characteristics, and comparing to a reference scenario. To do this, the final maximum energy is specified for each regulatory item (heating, cooling, hot water, lighting, auxiliaries), prorated for the primary real energy consumption of each project. They are then converted into final energy, following the regulatory conversion ratios, as a function of the type of energy used (Decree of 8 February 2012 modifying the Decree of 15 September 2006).

As high school projects, the calculation is contractually performed in two stages: on the one hand a forecast of the design study performed by the contracting authority, on the other a final figure produced at the end of the construction by the businesses.

E-2: This is the savings in tonnes of CO2 averted on an annual basis due to the use of renewable energies for this construction. For the calculation, the kWh produced by renewable energies used in the construction are 71,057 kWh which includes production of 103,704 kWh of solar thermal for photovoltaics. (Source: Study of overall cost - PRO File - ANMA/CPR/October 2013).

E-3: Subtraction between the emissions of CO2 forecast in the sector in the reference scenario and emissions of CO2 forecast in the scenario with implementation of a project for public transportation.

E-4: Theoretical emissions (reference and project) related to the consumption of the regulatory positions of the 2012 thermal regulations (heating, cooling, DHW, lighting, venting auxiliaries, hydraulic auxiliaries).

The values for the project come from the PRO phase RT2012 calculation. The reference value is taken according to the maximums authorized by the thermal regulation (Cepmax). CO2 emissions by type of energy are taken according to ADEME data.

E-5: Comparison between the project that was done (geothermal + hot water pump + gas) and a 100% natural gas solution. Using coefficients of emissions of different sources of energy, the quantity of CO2 averted is the difference between the 2 solutions.

E-6: Estimation based on the carbon balance methodologies of ADEME and SNCF-Réseau.

E-7: Information communicated by the project manager.

E-8: According to the ADEME methodology, which estimates 4.8 teqCO₂/ha/year as "the CO₂ equivalent of the net atmospheric carbon absorbed by the forest (corresponding to the balance between photosynthesis and tree respiration), from which are subtracted the emissions associated with tree mortality and wood removal (the carbon corresponding to the volumes of dead or removed wood being considered as immediately being emitted back into the atmosphere as CO₂)." - <https://www.territoires-climat.ademe.fr/ressource/435-152>

F: Internal project profitability rate

The rate is used to calculate the value of the project for the community, by subtracting the costs (investment costs in infrastructure and rotating materials stocks, operating costs) from the benefits (gains in time for users of public transportation; advantages associated with the modal transfer from using an individual car to public transportation; savings from reduced usage of cars, road maintenance and construction of parking spots; savings from externalities: pollution, noise greenhouse gases, accidents).

These costs and advantages are quantified and transformed using a monetary equivalent, in order to calculate the internal rate of return of the project using the following method:

The internal rate of return *r'* which cancels out the discounted benefits
The discounted benefits *B* for the community:

$$B = -I - \sum_{t=1}^T \frac{\Delta I_{t0+t}}{(1+r)^t} + \sum_{t=1}^T \frac{a_{t0+t}}{(1+r)^t} + \frac{R}{(1+r)^T} \text{ avec}$$

ΔI_{t0+t} → the changes in investment (major upkeep) with respect to the reference situation

a_{t0+t} → The economic benefit in the year is calculated by aggregating the changes in utility of different actors with respect to the reference scenario

r' the discount rate
I the envisaged project cost
R the residual value of the investment at the end of the period

| Environmental management and eco-design | |
|---|---|
| Vigeo 2016 definition | "The project is implemented in accordance with an eco-design (or eco-construction) approach, and/or an approach aimed at managing its environmental impact (pollution, nuisance, resources, and biodiversity, etc.)" |
| Additional definition | The eco-design consists of accounting for the environment from the design of a product or service through all stages of its life cycle. In the context of operations financed by the Region, the eco-design can be understood as accounting for the environment in the scheme falling within the scope of the project, as well as in the operations of the construction when it is an eco-construction. The environmental management designates the policy and/or methods of management put in place in order to account for the environmental impact resulting from implementation of the project, to evaluate this impact and also to reduce this impact and to also reduce it in relation to the project construction as well as during its operations. |
| Possible illustrations | <ul style="list-style-type: none"> - Process for environmental certifications (BEPOS, HQE, ISO, etc.) - Accounting for environmental impacts in the management of the construction site (e.g.: charters, low nuisance sites, green sites, etc.) - Integration of environmental concerns in the specifications - Recourse to support for the contracting authority devoted to environmental management of the project - Explanation of accounting for environmental aspects within the scheme relating to the project |

| Combating climate change, and promoting the Region's environmental transition | |
|---|--|
| Vigeo 2016 definition | "The project contributes to reducing greenhouse gas emissions, in compliance with the Region's Climate Plan, and/or to the regional environmental transition process, as part of the Regional Economic Development and Innovation Strategy". |
| Additional definition | The project promotes the ecologically-friendly transition of the region by enabling, for example, a reduction in CO ₂ emissions, savings in natural resources (energy, water, waste, etc.), by promoting the adaptations in consideration of future climate change, by participating in the protection of biodiversity. |
| Possible illustrations | <ul style="list-style-type: none"> - Expected objective to reduce CO₂ enabled by the project (with respect to an initial situation observed in the case of renovation or with respect to a reference scenario in the case of a newly constructed building) - Use of renewable energies - Recovery of rainwater and/or grey water - Project design respectful of neighbouring biodiversity |

| Sustainable regional planning and improving quality of life | |
|---|---|
| Vigeo 2016 definition | "The project is in keeping with the regional sustainable planning strategy, and contributes to improving the quality of life for its users and/or staff". |
| Additional definition | Sustainable planning: the project was conceived with an interest to be qualitatively involved in the region, for example by looking out for good integration of landscaping, balanced density of housing, respect for urban fronts... It can also promote the continuity of quiet modes of transportation and incorporate corrective measures linked to nuisances even of the project. Improving quality of life: the project makes it possible to propose a service/product that was not accessible or easily available, or to facilitate the usage of this service/product by residents/users. The project can also be involved in directly improving the well-being of residents/users. |
| Possible illustrations | <ul style="list-style-type: none"> - Integration of the project in the region (planting greenery, presence of green spaces, integration of the building into the urban fabric, etc.) - Improvement of quality of life targeted by the project: gains in transportation time, reduction of local nuisances (pollution, noise...), well-being (quality of landscaping, dignified housing...) - Accessibility of a population to a new service - Opening a service to a new population (which did not previously have access) |

Socially inclusive development, combating inequality, and promoting the safety of individuals

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|-------------------------------|---|
| Vigeo 2016 definition | "The project contributes to combating social exclusion, to reducing inequality, or to preventing risks relating to health, working conditions, and/or individuals' safety (users, neighbouring residents, and staff)". |
| Additional definition | The project may promote: <ul style="list-style-type: none"> · Accessibility of places to all of the public (deaf, blind, handicapped, etc.), · Integration of disadvantaged persons (distant from employment, schooling, access to new information and communications technologies, etc.), · Personal security on the site (video surveillance, security personnel, fire safety measures, etc.), · Participation in development of leisure tourism for all. |
| Possible illustrations | <ul style="list-style-type: none"> - Equipment planned to promote accessibility and/or security - Integration of the project in the renovation/opening up of a district - Health benefits of the project for the persons concerned - Taking into account of social criteria (different rates, fight against exclusion, etc...) - Definition of a pedagogical program working towards better social integration |

Respect for fundamental rights

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| Vigeo 2016 definition | "The project is implemented in a way that respects fundamental rights". |
| Additional definition | Projects in the Region are carried out in compliance with fundamental rights and existing legislation. Each project can participate in improving practices with regard to one or many fundamental rights in respect of the objectives of generalized interests set by the law or the following texts: <ul style="list-style-type: none"> · Universal Declaration of Human Rights (1948), · Covenant on Civil and Political Rights (1969), · Covenant on Economic, Social and Cultural Rights (1969), · The fundamental rights at work as identified by the International Labour Organization. |
| Possible illustrations | <ul style="list-style-type: none"> - Security and health of persons, workers on construction sites - Right to come and go - Right to education - Equal rights and opportunities |

Responsible regional development

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| Vigeo 2016 definition | " The project increases the Region's attractiveness in keeping with sustainable and balanced economic development". |
| Additional definition | The project participates in the development of dynamization of the region from a long-term perspective, responding to a need, or anticipating the creation of new needs, or accompanying the urban development of a sector. |
| Possible illustrations | <ul style="list-style-type: none"> - Needs in terms of transportation, employment, the supply of tourism, green spaces, etc. - Integration into a development zone - Innovative projects participating in the dynamization of the territory - Projects directly supporting economic activity in disadvantaged areas |

Regional economic development

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|-------------------------------|--|
| Vigeo 2016 definition | "The project contributes to creating or maintaining jobs and/or sustainable business activities in the Region". |
| Additional definition | The project may sustain employment, on a construction site and in operational phase, or accompanying SME projects with growth prospects, or by supporting innovative processes and research, a source of dynamism and potential long-term job prospects, or also by maintaining an economic activity in certain areas. |
| Possible illustrations | Creation / support to FTEs |

Fair practices, responsible purchasing and responsible supplier relations

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| Vigeo 2016 definition | "The project is implemented in compliance with fair practice principles (combating corruption, fair competition, respect for labour laws, and equal treatment, etc.). Environmental and social factors are included in the purchase of products and services relating to the project. The purchasing practices relating to the project enable the interests of suppliers and sub-contractors to be respected (payment terms, managing dependency, and equality of access to orders, etc.)". |
| Additional definition | The different service providers acting on the project have been selected in the framework of a transparent procedure, in respect of the principle of equal treatment and of competition. Environmental and/or social requirements are provided for in the specifications and regulations of the subsidy. |
| Possible illustrations | <ul style="list-style-type: none"> - Application of the Public Procurement Code, transparency of the investigation process in the context of subsidies - Elements of the "Responsible public procurement" of the Region applicable to the project - Choice of materials which are respectful of the environment, hours of social integration |

Consultation with stakeholders

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| Vigeo 2016 definition | "The project is subject to an appropriate consultation process, both internally and/or with the external stakeholders concerned (information meetings, steering committee, meetings with voluntary organisations, and representation of elected officials, etc.), whose expressed requirements are taken into account". |
| Additional definition | The project was implemented in a context of consultation aiming to account for the needs of stakeholders without distorting the object of the project. |
| Possible illustrations | <ul style="list-style-type: none"> - Dialogue and consultation with the stakeholders - Description of public surveys - Description of the consultation of the process of evaluating subsidies and/or financial sheets on the project |

ADEME

French Environment and Energy Management Agency (Agence de l'environnement et de la maîtrise de l'énergie).

ILE-DE-FRANCE GREEN SPACES AGENCY (AEV)

In the design and implementation of development projects for Ile-de-France's natural areas, the AEV links these regional policies and tools with a more local and partnership-based approach via the Regional Land Intervention Areas (PRIF).

ANRU

National Agency for Urban Renewal.

BEPOS building (called "positive energy"):

building that has very low energy consumption. Its primary energy consumption must be less than the amount of renewable energy it produces via its equipment.

Certification BEPOS Effnergie 2013

A pilot certification that can be awarded in the short term; it builds on the 2012 thermal regulations and the Effnergie+ certification. Above all, the building must respect the criteria of the Effnergie+ certification and must also be the subject of an evaluation of the grey energy and the potential of eco-mobility.

Certifications FSC and PEFC: These certifications are defining forest sustainable management rules, in compliance with international standards. They are based on the FSC (Forest Stewardship Council) or PEFC (Pan European Forest Certification) references.

CSRPN

The Regional Scientific Council for Natural Heritage (CSRPN) is a body of specialists under the authority of the regional prefect and the president of the regional council which may be consulted on questions on the knowledge, conservation and management of the regional natural heritage.

Certification NF High Environmental Quality (HQE)**Tertiary Buildings**

enables to discern between buildings where the environmental and energy performance corresponds with best existing practices. It concerns the phases of the programming, the conception and delivery for new and renovated housing units.

Certification Patrimoine Habitat:

values a rehabilitation program committed to by a contracting authority by setting the level of performance to achieve. It accounts for the quality of the budget and the community parties, the comfort and performance of housing, fire safety and health of occupants.

Competitiveness clusters

Created in 2005 in the framework of the launch of a new industrial policy in France, the competitiveness clusters are defined as the combination in the same territory of businesses, higher education establishments, and public or private research organizations which have the vocation to work in synergy to implement economic development projects for innovation. Competitiveness clusters promote the development of relationships between businesses/research laboratories, or SMEs/Large groups in Ile-de-France but also internationally with partner clusters and with the knowledge of their ecosystem to assist a business, a laboratory to identify the skills/know-how needed to complete their project. They accompany the businesses, and primarily SMEs to improve their project by calling upon a network of experts among their members.

DUP

statement of public interest (Déclaration d'Utilité Publique).

Eco-mobility potential (for a building or dwelling)

corresponds to the energy consumption generated by the journeys of the users of that building or dwelling. When assessing the energy performance of a building or a dwelling, these consumptions are also taken into account.

Grey energy

corresponds to the total consumed energy expenditure throughout the life cycle of a material, its extraction and recycling, and including its transformation.

"Label Effnergie +"

label targeting 20% decrease in maximum energy usage linked to five regulation-related building uses (heating, hot water, lighting...) compared to the level in the 2012 french thermal regulation (RT 2012) ; this label aims to go further than the BBC label in terms of the construction of new buildings. It plan to go from 50 to 40 kWh/m²/year for housing with an intermediate level of 45 kWh/m²/year until 2014. "Effnergie" + also requires a Bbio (bioclimatic needs)) 20% lower than the Bbio set by the 2012 RT The requirement in terms of air permeability are also higher than the BBC label.

LABEL BEPOS EFFNERGIE 2013

Label pilote, applicable à court terme, il s'appuie sur la RT 2012 et le label Effnergie+. Le bâtiment doit avant tout respecter les critères du label Effnergie+ et doit également faire l'objet d'une évaluation de l'énergie grise et du potentiel d'écomobilité.

"Label BBC Effnergie" for renovation

this label concerns renovated residential buildings, with an objective of a maximum primary fixed energy consumption of 80 kWh/m².year, adjusted for the climatic zone and altitude. In Ile-de-France, a coefficient of 1.3 must be applied to this objective.

Modal shift:

allows users to benefit from an alternative to a car by choosing a mode of collective transportation which is more environmentally-friendly.

PLU

Local town planning plan

TCSP

Public transport on own site.

ZAC

Concerted development zone.

This document falls within the context of the issuance of the green and sustainability bond carried out by the Ile-de-France Region in 2021 and is in particular intended for investors.

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