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<http://www.icafe.fr/en/csr/energy-transition-and-preservation-of-resources>

ICADE'S INDIVIDUAL COMMITMENTS IN *act4nature*

As an investor and a developer, Icade has contributed to the emergence of tomorrow's greener, smarter and more responsible cities. A key player in the Greater Paris area and major French cities, its leading shareholder is the Caisse des Dépôts group.

Icade is acutely aware of the impact that its activities can have on biodiversity and has put measures in place to reduce it throughout the building's life cycle. Since 2014, Icade has become actively involved in protecting biodiversity and has included quantifiable targets in its 2016-2020 strategy.

Protect biodiversity from the design stage of buildings

- Icade is aiming for 25% of its new builds to have a net positive impact on biodiversity⁽¹⁾ by 2020.
- Since 2016, 100% of new projects have been subject to a biodiversity assessment. The Biotope Area Factor⁽²⁾ after green interventions saw an overall improvement in 2017.
- New builds have exclusively used FSC® or PEFC certified wood since 2012.
- The "Reinvent the Forest in the City" initiative developed for a number of projects (Pulse in Saint-Denis, Origine in Nanterre) provides for the use of French-sourced wood. As a result, 7,000 sq.m of flooring was installed in 2016 at Veolia's headquarters in Aubervilliers.
- Icade is exploring the possibility of neutralising the Pulse project's residual emissions with Société Forestière.
- Starting in 2018, Icade's property developers will receive biodiversity training to better meet the expectations of local authorities.

Incorporate biodiversity labels and certifications into new projects

- Starting in 2014, Icade participated in the pilot phase of the BiodiverCity® label for the construction of Veolia's new headquarters in Aubervilliers.

- This label will be implemented as part of the Origine project in Nanterre (to be completed in 2020) and the refurbishment and fitting out of Ateliers Vaugirard (in the 15th district of Paris), with 65% of green surfaces and 700 sq.m dedicated to a rooftop vegetable farm (scheduled for completion between 2021 and 2023).

- Since 2016, Icade has used the new HQE certification for buildings.

Promote biodiversity to make the business parks more appealing

- Icade is aiming for 25% of its existing properties to have a net positive impact on biodiversity⁽¹⁾ by 2020. The first indicators analysed in 2017, which related to 33% of the portfolio, were stable or improving.
- In collaboration with CDC Biodiversité, Icade conducted a first ecological assessment in 2014 and signed the first biodiversity performance contract in 2016 for the Portes de Paris business park. This contract will be extended to two-thirds of business park floor space in 2018.
- Since 2012, Icade has also included clauses pertaining to respecting biodiversity in the service provision contracts for green space maintenance. This approach was awarded the EcoJardin label, attributed to 100% of the business parks since 2017. More specifically, this approach to green space management promotes the expansion and diversification of plant species.

Develop urban agriculture and social bonds

- Launched in 2017 in partnership with the "Sous les Fraises" start-up, the aquaponic farm in the Portes de Paris business park combines vegetable growing (500 sq.m) and fish farming (200 sq.m of basins).
- Since 2017, with the help of the "YelloGarden" (Mugo group), vegetable gardens have been planted at Icade's headquarters in Issy-les-Moulineaux (around 20 employees) and the Orly-Rungis business park (around fifty tenants).

(1) A net positive impact on biodiversity is defined as positive change in a set of ecological criteria relating to plant and animal life, soil, water and green space management. In conjunction with CDC Biodiversité, Icade has defined "net positive impact on diversity" as an improvement or stabilisation at optimal level in 100% of resource indicators and 50% of performance indicators which were measured. The evaluation is carried out by way of biennial ecological assessments. The detailed methodology is available on Icade's website.

(2) The Biotope Area Factor expresses the ratio of the ecologically effective surface area to the total land area.

- The Pulse project (completed in December 2018) in Saint-Denis will supply the company restaurant with fresh vegetables from its rooftop garden and recover organic food waste in partnership with the start-up "Topager".

■ Preserve and restore biodiversity

• Since 2016, Icade has been involved in the Nature 2050 programme, created and developed by CDC Biodiversité. This public interest initiative aims to positively contribute to targeted areas not covered by a biodiversity performance contract.

• As a result, 47,000 sq.m have been restored since 2016 through funding 1 sq.m of natural habitat for 1 sq.m of land developed by Icade Promotion on behalf of the Commercial Property Investment Division and for the Healthcare Property Investment Division's development projects with surface area over 10,000 sq.m.

■ Invest in partnerships and R&D in favour of biodiversity

• Icade has been involved in creating a standardised indicator to monitor positive biodiversity impacts (Global Biodiversity Score) with the B4B+ Club (Business for Positive Biodiversity Club), led by CDC Biodiversité. The indicator was discussed in an issue of the Biodiv'2050 Outlook magazine published by CDC Biodiversité in 2017 and its operational launch is scheduled for 2020.

• Icade has developed green roof projects with CDC Biodiversité and the Institute of Ecology and Environmental Sciences of Paris in order to create a numerical model of the environmental benefits, following the example of the research programme conducted in 2016 and 2017 on the roofs of Icade's former headquarters (19th district of Paris). The "Dessus Dessous" project, backed by Agence Française de Biodiversité and Caisse des Dépôts, will be tested in the Orly-Rungis business park from 2019 to 2021.

• Icade has maintained its partnership with the League for the Protection of Birds for the purpose of reintroducing birds to a number of Icade's business parks.



Residence Ôm, Issy-les-Moulineaux - Perspective Architecture Studio