

Urban resilience indicators in municipal budgeting

Evaluating the co-benefits of resilient infrastructure projects in Paris

Background

The City of Paris' Resilience Strategy and Climate Action Plan reflect its ambition to become a more resilient, inclusive and carbon-neutral city. To achieve its goals, Paris aims to effectively and systematically take resilience into account within its pipeline of projects, in order to determine when projects are not compatible with the municipality's low-carbon transition and social and climate resilience objectives. Currently, knowledge gaps, limited capacity and the lack of a robust, systematic economic estimation of projects co-benefits constitute a barrier for mainstreaming resilience objectives throughout the budget and finance processes.

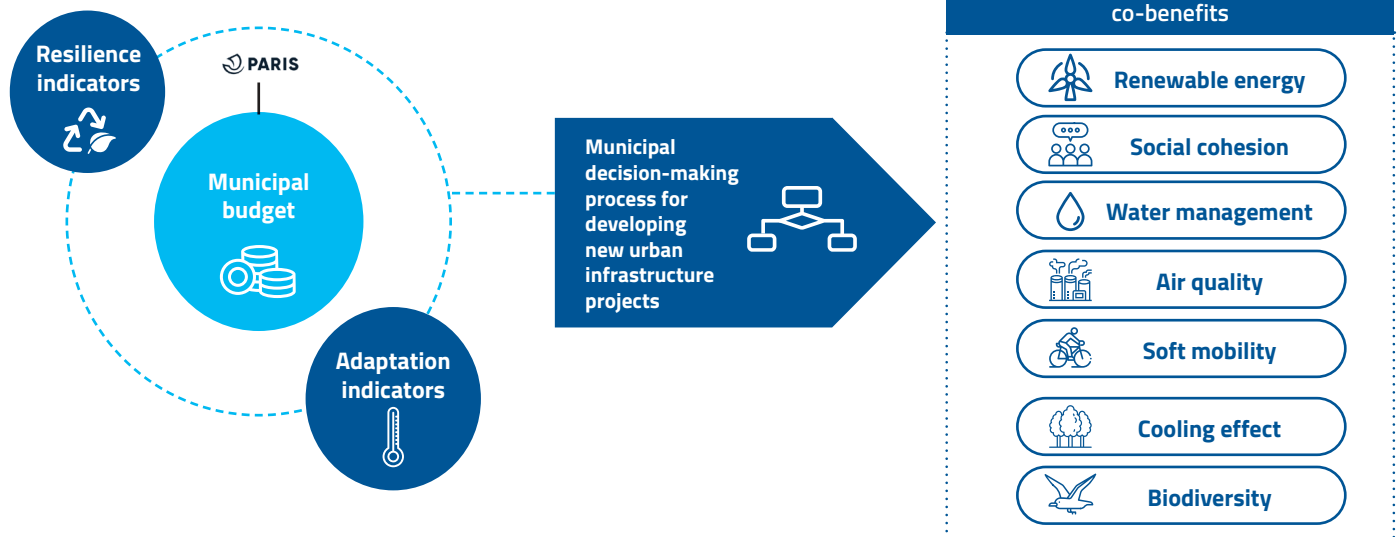
With the support of **Global Infrastructure Basel (GIB)**, a Swiss foundation working to promote sustainable and resilient infrastructure through sustainable infrastructure design and financing on a global scale (<https://gib-foundation.org/>).



Paris' innovative solution

To increase know-how, the municipality is seeking to integrate resilience goals into all the actions carried out by the Paris government entities by mainstreaming dedicated indicators through its investment decision-making process. The initiative also looks to integrate the life cycle costs of public investments in order to monitor the multiple co-benefits of sustainable and resilient infrastructure. By measuring and highlighting these indicators across the municipality's financial decision-making processes, government agencies will be able to select projects that ensure public spending is aligned with resilience imperatives.

How it works





Role of the City Finance Lab Technical Advisors

- Providing expertise and best practices on the design and evaluation of resilient infrastructure projects
- Structuring an array of urban resilience indicators to measure – or economically assess – the co-benefits of spending in sustainable infrastructure
- Strengthening capacities amongst municipal staff, to understand and use the designed indicators

Next Steps



Develop the resilience and adaptation indicators and define their spectrum of application



Perform an analysis to economically take into account the co-benefits of projects in decision-making processes



Mainstream the use of the developed indicators

The City Finance Lab (CFL) is a joint venture between EIT Climate-KIC and South Pole which supports the development of innovative, replicable and scalable financing solutions that increase investment in climate-resilient, low-carbon and green urban projects for sustainable cities.