



Data for Decarbonization (D4Decar): Supporting the energy transition in La Rinconada and Las Rozas

A spin-off from



Agenda

1. **Concept presentation by BABLE**
2. **Finalize the concept working simultaneously with both city councils**
3. **Agree on the budget distribution between the two members of the Partnership**
4. **Documentation required**

Project justification (context, partners, and expected outcome)

LA RINCONADA

There is in a **governance plan** for managing **currently collected data** as well as data potentially collected in the future by the city council on energy, mobility, and the environment (air quality).

Plus, they have a lot of **information and data already being collected** by the city council's internal management at their disposal, such as demographic, housing, and environmental data, which they would like to integrate into the governance plan, if possible. So far, there is **no unified data management system, or a physical space (platform) where they can be processed**.

Ultimately, their goal is to **improve their policies and decision-making processes** to provide better services to citizens, as well as to develop a quantitative basis for project planning.

Projects: charging stations for electric vehicles, electric bikes, electricity meters in their energy community (Seville Network).

Scaling data collection and management in La Rinconada and Las Rozas to support the decarbonization goal

Actions

1. **Define the issue or challenge, as well as the role of data.**
2. **Map existing and future data ecosystems** to understand how data is currently accessed, used, and shared, and to help articulate the initiative's vision, identifying areas of further action and potential risks.
3. **Design logic models** to help the initiative move from the initial inputs and actions to the final impact it is meant to achieve. These models will provide a structured way of thinking about how to build a program to address a specific issue or challenge, which is key in designing a successful data access initiative.
4. **Market analysis** prior to feasibility, including a list of the most promising technologies for the urban data platform with information of how each technology addresses the identified needs (deep learning tool with multi-site data analysis — explore tools). The study will be based on the platforms implemented in the 18 Lighthouse projects that are [relevant for this call](#).
5. **City platform implementation roadmap.**
6. **Active knowledge exchange** between the two partner cities regarding common challenges, solutions, and alternatives to explore.

1. Define the issue and how data can solve it

Objective

Having a clearly defined issue that has to be addressed by improving access to data and solving a specific social, environmental, or economic challenge will help these institutions focus their activities, communicate their vision to funders, and deploy the resources and people needed to build or strengthen the data infrastructure.

Actions

- Outline the issue.
- Reflect on whether and how creating or maintaining a data infrastructure can help solve the issue.
- Figure out how data can help address the issue.
- What type of data infrastructure needs to be designed to address these challenges? (Databases, standards, implementing or developing technologies, creating guides or new policies, creating or strengthening a support network)

2. Data ecosystem mapping

Objective

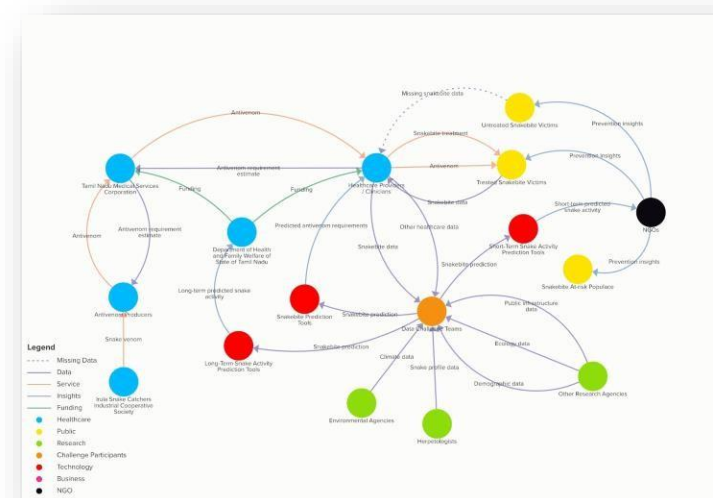
Data access initiatives often require the participation of multiple stakeholders to address complex challenges through data collection, sharing, or use.

A data ecosystem map helps design the roadmap for building a data infrastructure by showing data flows and their value, identifying key stakeholders and organizations, and highlighting potential gaps.

According to the Open Data Institute model

Actions

- Identify workshop participants.
- Workshop organization.
- Identify key stakeholders in the data ecosystem.
- Map data flows and value exchange in the ecosystem.
- Identify gaps, obstacles, and opportunities in the data ecosystem that the initiative can address.



Source: ODI Data Landscape Playbook 2023

3. Logic models

Objective

Defining the impact of the initiative—as well as the inputs, activities, and outcomes it must achieve—will help design a roadmap to address the issue at hand and illustrate how and why the initiative is expected to bring about the desired change in the given context.

According to the Open Data Institute model

Actions

- Workshop organization.
- Definition of the situation or issue (step 1).
- Joint discussion and definition of the logic model, including inputs, outputs, outcomes, and impact.

Situation: OpenActive (OA) wants to adopt a new standard for data about sport and exercise classes in the UK to increase public activity			
Inputs	Outputs	Outcomes	Impact
• Funding from Sport England • Existing research and evidence • Connections between partners and stakeholders in the sport industry and the expertise at the ODI	Activities: • User and desk research • Survey the data landscape (inc ecosystem mapping & gap analysis) • Develop use cases • Engage and align stakeholders (internal and external) including training • Technical development of the four OA standards, open source software and tooling to support data publishing • Develop a roadmap for the future including theory of change, and sustainability plans Participation: • Data stewards (gyms, sports teams etc) • Data users (app developers etc) • End users (public) • Policymakers and regulators • Decision makers (Sport England) • People impacted by use of data • Funders and sponsors (Sport England)	Short term: • Data publishers see the value in adopting a standard • The coalition of partners are aligned around, and committed to, a common vision, roadmap and KPIs for the future • First set of standards are released with accompanying user guides (activity standards) Medium term: • More, and better quality, data is shared by activity providers • More people use the service to find sports and activities • Second set of standards is released with accompanying guides (booking standards) • Organisations outside the ecosystem show interest in developing new products Long term: • People are making bookings thanks to the booking standard • Strong alignment and commitment across the actors in the sports ecosystem • A sustainable business model is implemented ensuring future stability of the standard • New apps and services are developed utilising data under the OA standard • OpenActive is standard practice for the sports and physical activity sector beyond March 2021	• The UK public is more active, more people are playing sports and doing activities

Source: ODI Data Landscape Playbook 2023

4. Market analysis

Objective

Study the existing market possibilities for urban data management and utilization platforms on the innovations developed and/or tested in the 18 Lighthouse Cities (Scalable Cities) projects.

Actions

- List of the most promising technologies for the urban data platform, with information on how each technology addresses the identified needs. This study will be based on the platforms implemented in the 18 Lighthouse projects.
- Preliminary European market consultation supported by the tool developed by SPARCS and available on the BABLE website.
- Recommendations based on Lighthouse projects' experiences and best practices regarding the implementation and management of these platforms.

5. Roadmap

Objective

Based on the results of the activities and the analysis conducted, a roadmap containing the most important points and actions to follow to move forward in the implementation of an urban data and intelligence platform will be developed.

Actions

- Summary of the results of the previous phases.
- Development of a roadmap with specific steps and key stakeholders.

6. Exchange between city councils

Objective

Based on the results of the activities and the analysis conducted, a roadmap containing the most important points and actions to follow to move forward in the implementation of an urban data and intelligence platform will be developed.

Actions

- Organization of 2 or 3 meetings to share the conclusions of these actions, as well as other related challenges that both cities face.

Other Lighthouse projects

- **GrowSmarter:** Big Data Visualization for Cologne (<https://www.bable-smartcities.eu/explore/use-cases/use-case/big-data-visualization-for-cologne.html>)
- **Smarter Together:** Munich Smart Data Platform & Data Gatekeeper (<https://www.bable-smartcities.eu/explore/use-cases/use-case/smart-data-platform-data-gatekeeper.html>)
- **Triangulum:** Manchester Data Curation Service (<https://www.bable-smartcities.eu/explore/use-cases/use-case/data-curation-service.html>) and Eindhoven Open Data Portal (<https://www.bable-smartcities.eu/explore/use-cases/use-case/eindhoven-open-data-portal.html>)
- **REMOURBAN:** Tepebasi Unified Mobility and Building Energy Management Cloud Platform (<https://www.bable-smartcities.eu/explore/use-cases/use-case/unified-mobility-and-building-energy-management-cloud-platform.html>) and Valladolid City Information Platform (<https://www.bable-smartcities.eu/explore/use-cases/use-case/city-information-platform.html>)