



Sustainable Peri-Urban framework  
for Climate Neutral development

SOLUTIONS PROVIDER

**SpurUP Knowledge Hub**



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# General Information



## Solution Name

SpurUP Knowledge Hub



## Solution Type

Digital Tool



## Solution Owner

SUITE5



## TRL Level

5 - 7

## Challenge solved

### Target Pain Point

Local authorities, industries, and communities in peri-urban areas generate large amounts of sustainability data and knowledge – but this information is scattered across different tools, organisations, and sites with no shared place to access, compare, or act on it. Decision-makers lack a central platform where real-time environmental data, project outcomes, best practices, and lessons learned from across the SpurUP Living Labs can be found in one place, in a format that is clear and actionable – especially for non-technical stakeholders such as municipal officers and policymakers.

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## The Innovation

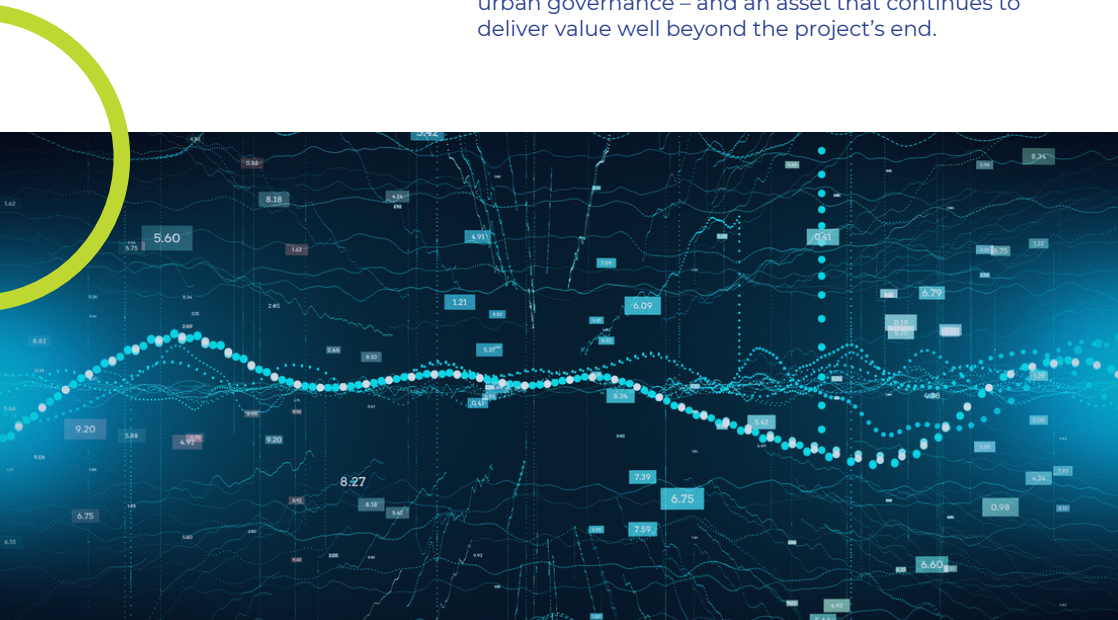
### Core Functionality

- **Centralised data ingestion and sharing:** Automatically collects, processes and organises datasets from SpurUP's digital tools ecosystem (incl. environmental monitoring, energy performance and air quality data), making all project data available, searchable and shareable in one place.
- **File upload, management and sharing:** Partners across all Living Labs and replication sites can upload, organise and share reports, outcomes, case studies and best practices through a structured document library, enabling continuous knowledge exchange throughout the project.

- **Interactive data visualisation dashboards:**  
Presents complex sustainability data – such as emissions trends, energy metrics and environmental risk indicators – as clear visual displays (charts, maps and graphs), tailored to the specific needs of each pilot site and its stakeholders.
- **Decision support and community of practice:**  
Provides insights to support policy creation and resource planning, while fostering communities of practice – connecting cities, industries and public authorities for matchmaking, resource sharing and long-term knowledge transfer beyond the project.

## Beyond State of the Art

Most data platforms either collect raw data or display static reports – they do not do both, and they are rarely designed for non-technical users. The Knowledge Hub goes further by combining live dataset ingestion from multiple connected tools (e.g., environmental monitoring, emissions assessment, energy management, etc.), a collaborative document library, and purpose-built visual dashboards in a single interoperable platform. It acts as the connective tissue of the entire SpurUP ecosystem, presenting insights in formats that are meaningful to mayors, municipal officers, industry managers and community representatives alike. Its capacity to document and disseminate key exploitable results, support communities of practice and facilitate matchmaking between cities positions it as a breakthrough tool for climate-resilient peri-urban governance – and an asset that continues to deliver value well beyond the project's end.



## User value - Benefits

01

One-stop access to project data: any partner, local authority or stakeholder can find up-to-date sustainability data and project insights without needing technical expertise or searching across disconnected sources.

02

Faster adoption of best practices: outcomes and lessons learned at one Living Lab are made available to all other sites, avoiding duplication of effort, and accelerating the replication of what works.

03

Clearer decisions for policymakers: visual dashboards translate complex environmental and energy data into easy-to-understand displays, empowering local governments and industry managers to make evidence-based decisions on green transition priorities.

## Implementation and validation

### Living Lab

The Knowledge Hub is available as a cloud-based, web-accessible platform serving all project sites – accessible to all three Living Labs and replication sites through a single solution. It is tested and validated in all three Living Labs – each site uploading their experiences and best practices into the hub during the project.

### Replication Potential

The Knowledge Hub is built as an open, modular and interoperable platform. Any city or region can use the Knowledge Hub to ingest, upload, and share their own datasets – from local environmental sensors and energy monitoring systems to planning documents and policy reports – making them searchable and accessible to their stakeholders, with dashboards that can reflect local sustainability priorities.. Replication sites within SpurUP will already explore adoption during the project. The hub's design ensures that knowledge generated at one site is continuously available to all others, making replication an on-going process.

# SPURUP

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