



Swiss Confederation





















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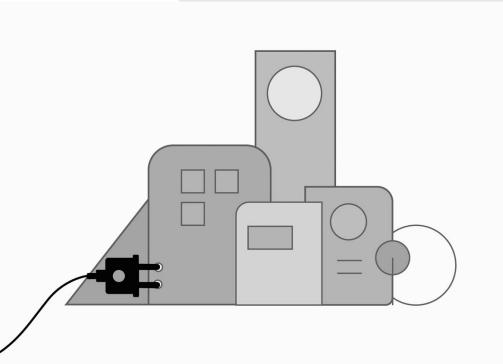
Daniela Evia



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Objective

To discuss how geospatial data ecosystems are key to advance more resilient, sustainable and smarter cities.



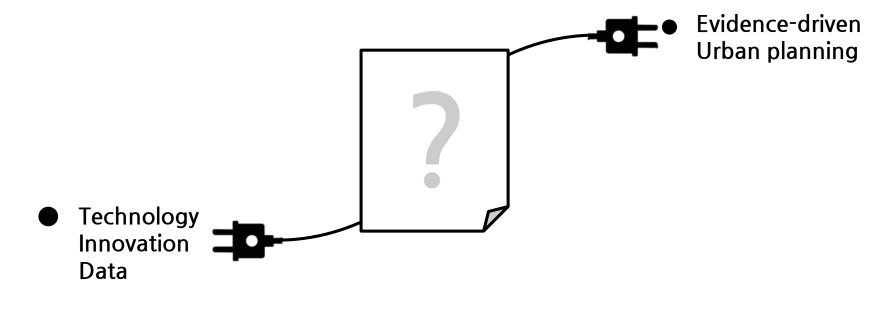
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Rapid Clinic

One Data Portal

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What is the missing piece?



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Building Data Foundations for Smarter, Sustainable Cities



Data is to this Century what oil was to the last one...

The Economist, 2017



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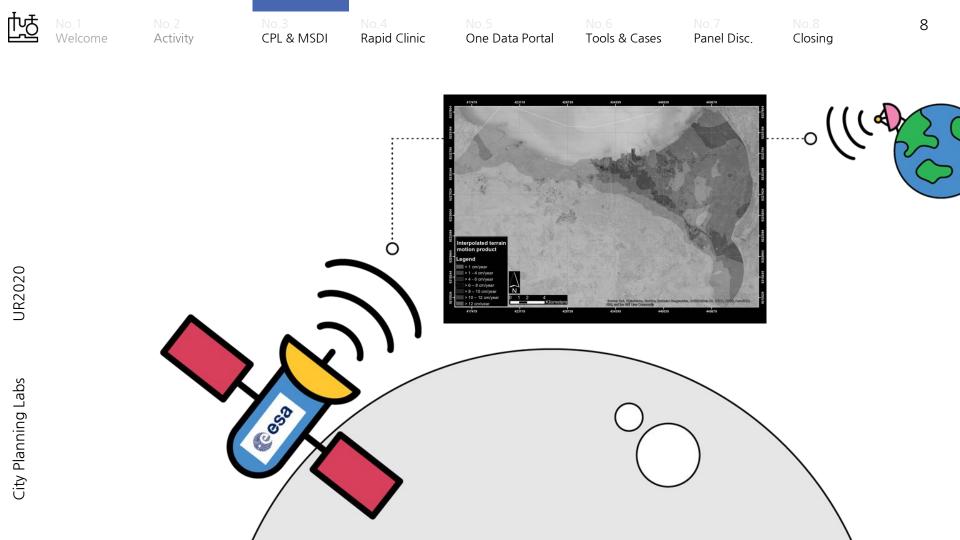
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Apps, apps... everywhere





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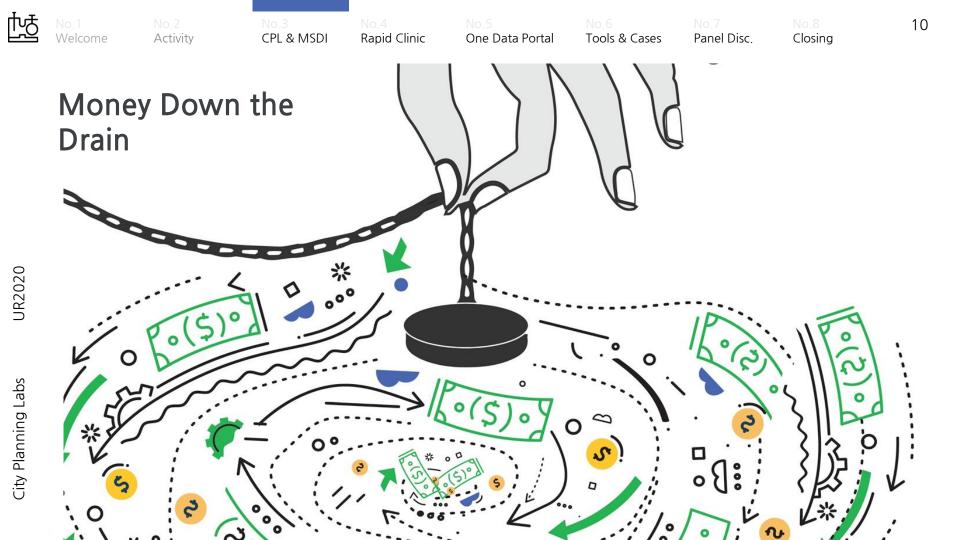
Panel Disc.

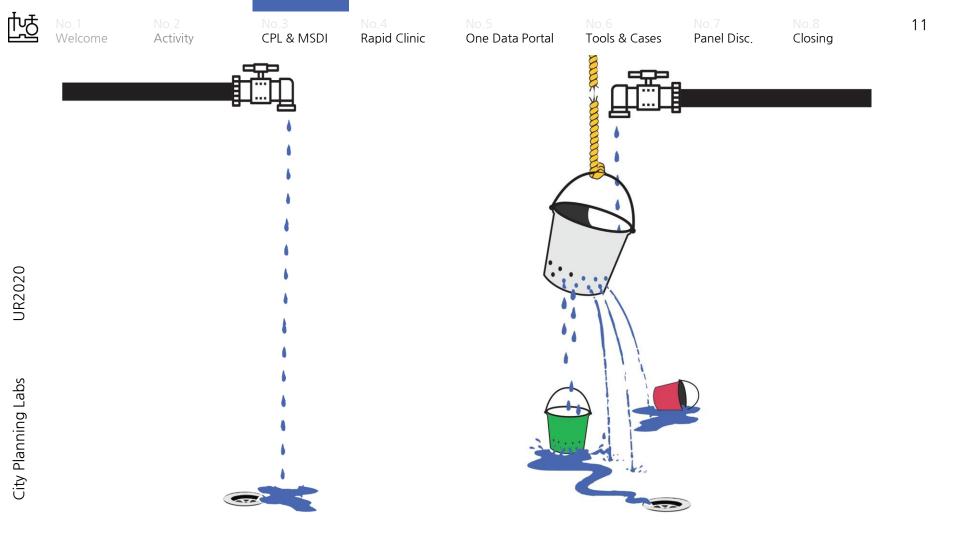
Closing



This is it, Smythe -- the Tomb of the Lost Unshared Data! ...

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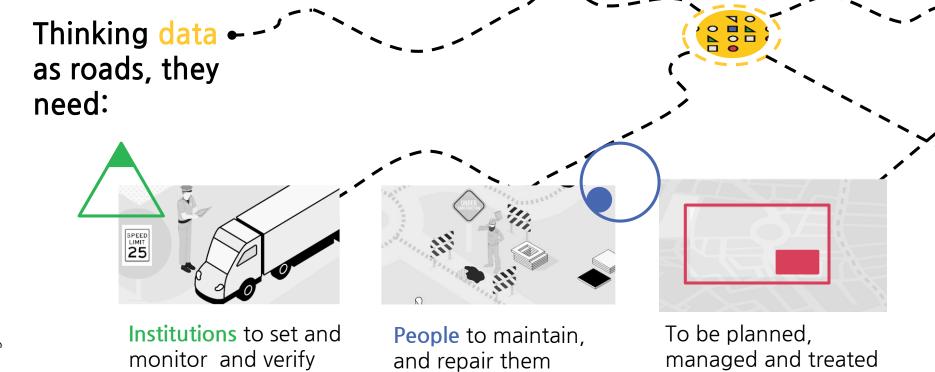




the regulations

as part of a system.

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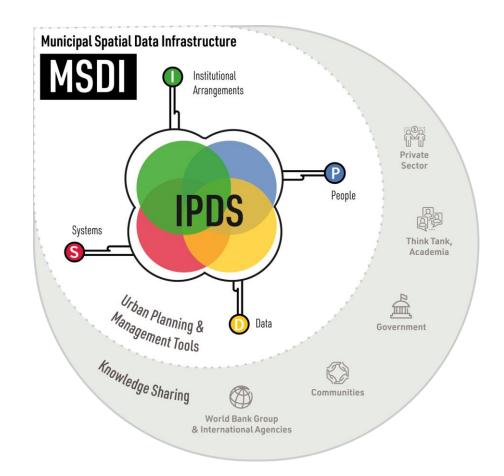
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Closing

Municipal Spatial Data Infrastructure: an ecosystem approach.





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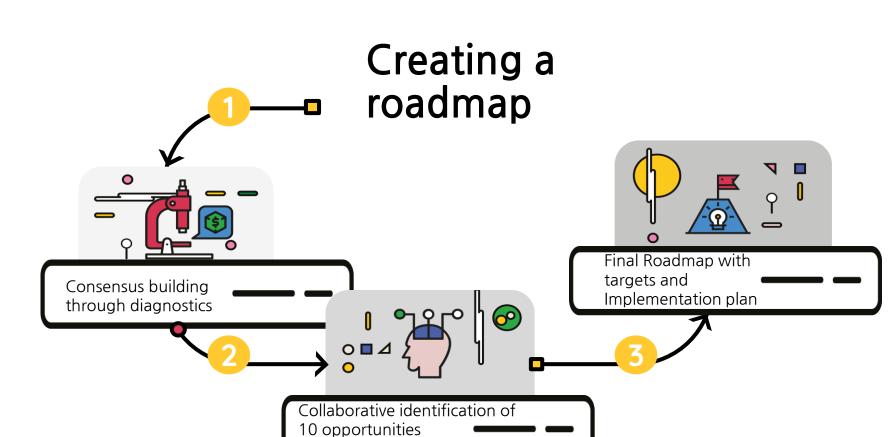
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Short-Medium-Long Term

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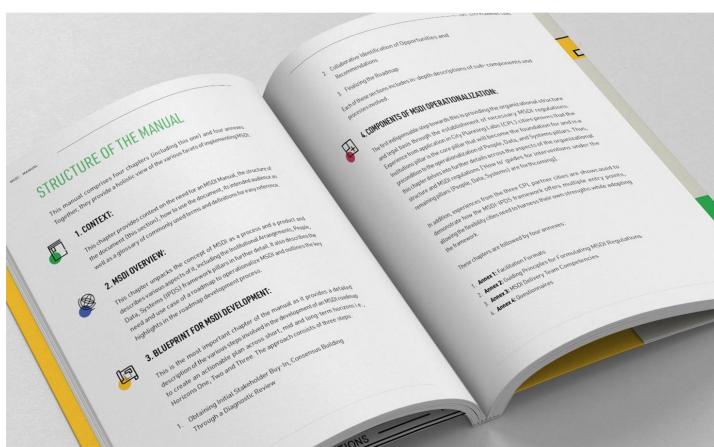
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MSDI Manual

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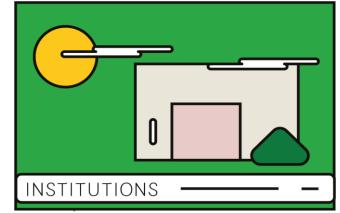
One Data Portal

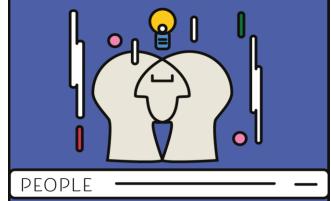
Tools & Cases

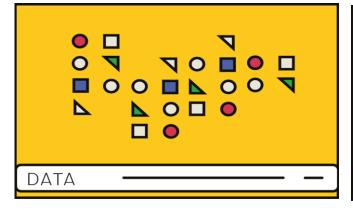
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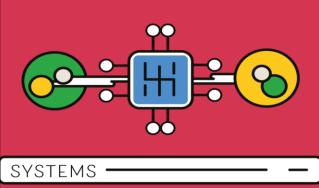
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Four Pillars Toolkits









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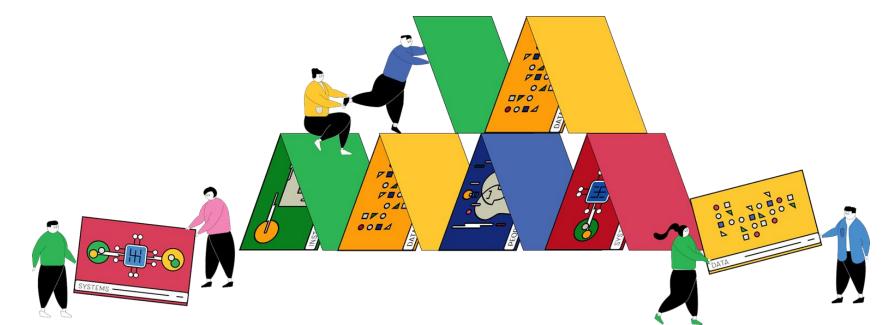
City of Balikpapan Decree enacted Oct. 2020 City of Semarang Decree updated City of Denpasar Feb. 2020 Decree enacted Nov. 2019

CPL partnered with 3 major cities in Indonesia to enact Perwalis that strengthen their spatial data infrastructure.

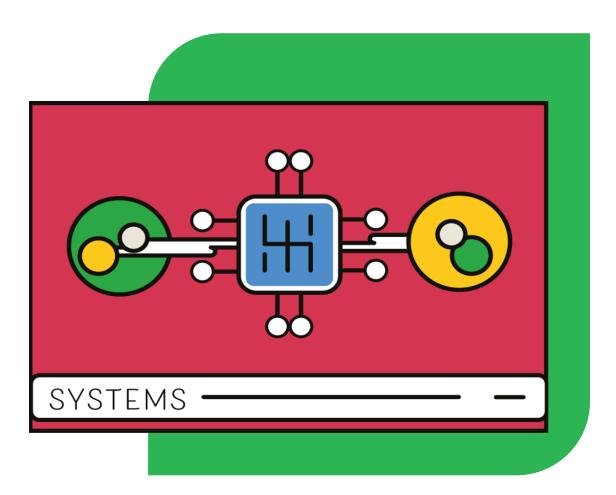
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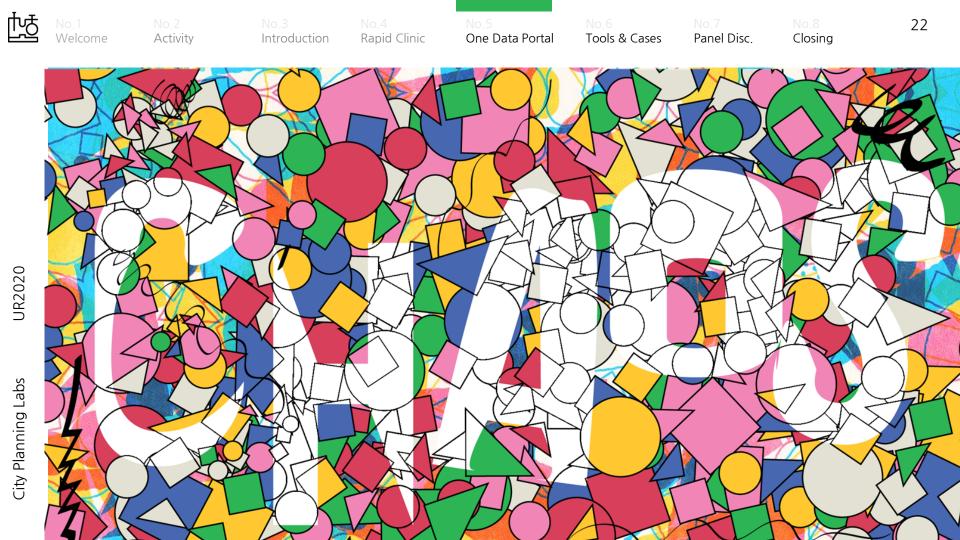
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Collaboration is the cornerstone of **MSDI**.



Data foundation systems for smart cities





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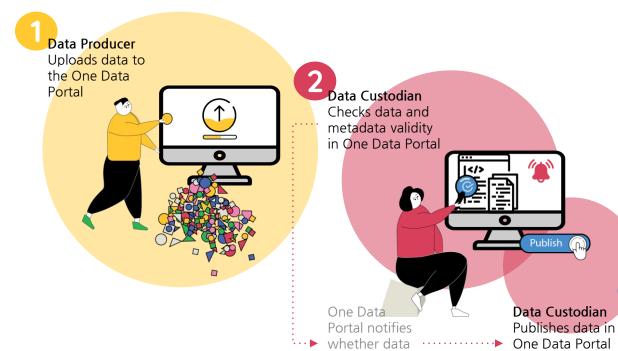
One Data Portal

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How do agencies use the One Data Portal?



is approved or rejected

Operationalization of data management

Administration Role is embedded in One Data Portal



Data UserViews and downloads the data from One
Data Portal

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OSKARI

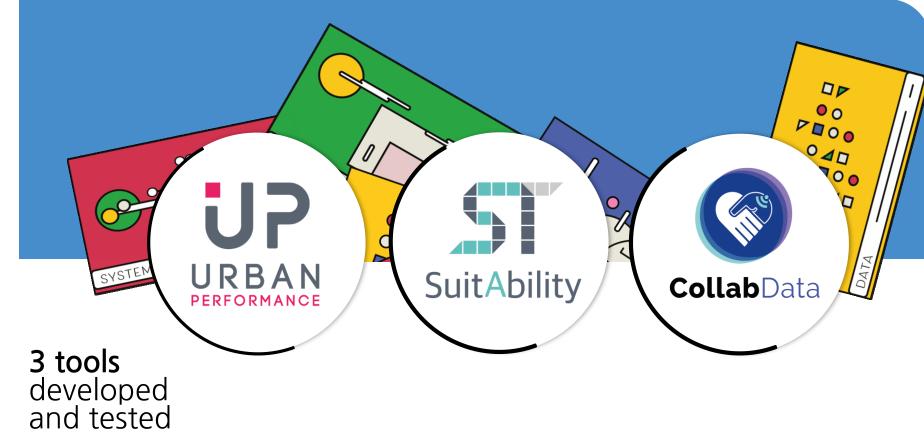
The Geoportal includes two analytical tools



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What it is

Suitability is a powerful web application that identifies optimal locations for a specific activity within a city, displaying heat maps of access to urban services and infrastructure.

What it does



Land Suitability



Social Housing **Projects**



Create Consensus

Suitability

Finding strategic locations for informed urban planning

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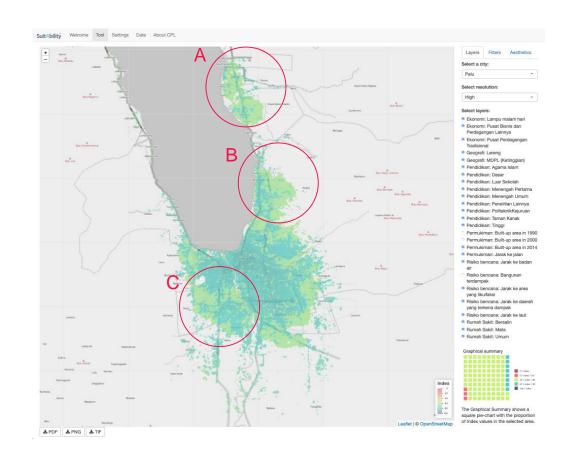
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Analytical tool for resilience and disaster risk reduction

- **Palu** earthquake and tsunami reconstruction
- Identified resettlement areas
- Dramatically reduced assessment (3 weeks vs 5 months)



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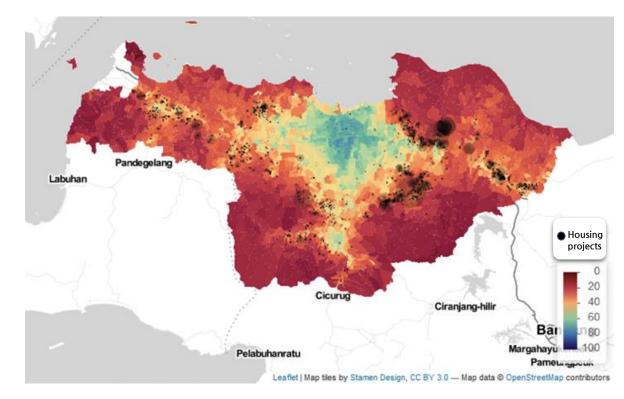
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Supports planning agencies and city governments to define the optimal location of investments, for example:

- Affordable housing projects
- Hospitals
- Schools
- Transportation infrastructure



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What it is

Urban Performance is a tool that assesses the city's present and future performance by creating multiple growth scenarios that include investment projects, public policies and land regulations. The results are evaluated with a set of SDG indicators.

What it does



Scenarios development



City plan evaluation



Evidence-based decision-making

Urban Performance Assessing present & future performance



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Semarang used the tool to compare present conditions (BASE scenario), the application of their detailed spatial plan (RDTR) and the implementation of a transportoriented development (TOD) policy in the city. The main goal was to identify what the city could do to improve social conditions and economic performance, with low carbon growth.





What it is

Collabdata is a robust digital platform that captures needs, challenges and ground realities of the communities, strengthens public consultations and simplifies the analysis of collected data with powerful visualizations.









Social Monitoring



CollabData

Analytics

Collabdata

Bringing communities & governments closer



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Semarang

Pilot Results:



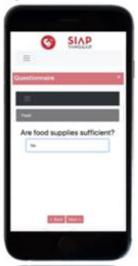


11,400 data entries in less than one week

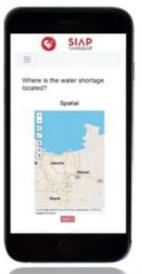
Monitored ground realities by collecting data on:

- Health
- Social issues
- Economic issues
- Food security

Currently preparing for second round, this time to improve school conditions









Collabdata & COVID-19



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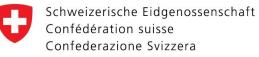
Urban Planning Tools support collaborative, evidence-driven decisionmaking, building more resilient cities.



Support







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