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FOUNDATION**

**Advance the Web to
Empower People**

Open Data in Developing Countries: Making Data Work for All

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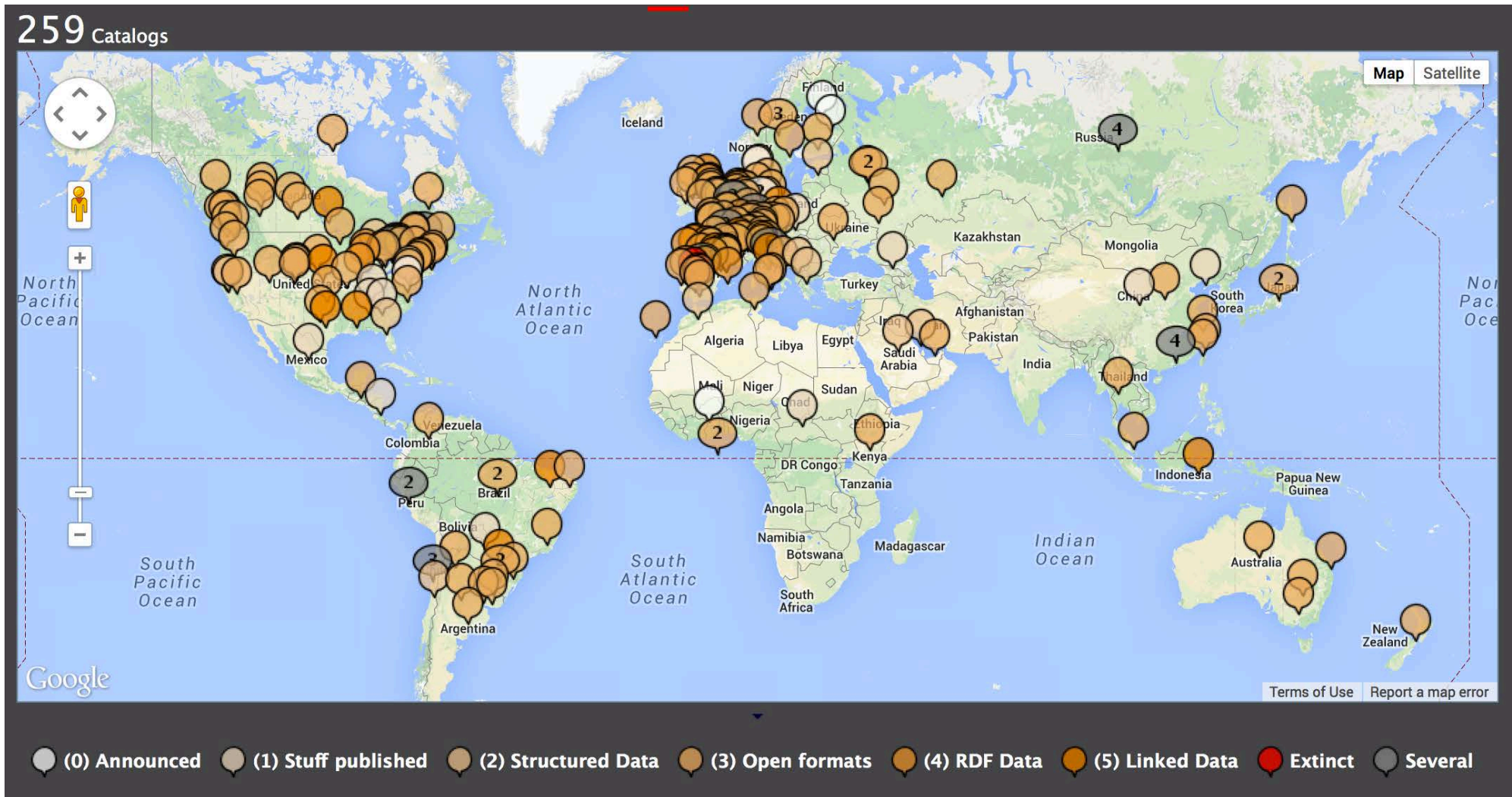


Defining Open Data



- The Open Definition: “A piece of data or content is open if **anyone** is **free to use, reuse, and redistribute** it - subject only, at most, to the requirement to attribute and/or share-alike” - <http://opendefinition.org/>
- Various principles and guidelines, e.g. Sunlight Foundation, covering a range of criteria: costs, ease of access, completeness, timeliness etc.
- Operational definition in ODDC research network: proactive publishing; machine readability; permission to reuse

Open Data Around the World



<http://datos.fundacionctic.org/sandbox/catalog/faceted/> - <http://datacatalogs.org>

The Promises of Open Data



- Efficient and effective government
- Innovation and economic growth
- Government transparency and accountability
- Inclusion and empowerment
- Environmental sustainability
- ...

- Big Data: Processing very large datasets to identify patterns and connections in the data
- Data Exhaust: Mobile phones, GPS, Credit Card Purchase Records, Web Search etc.
- Different philosophy, goals and practice
- Big Data: Data sources are generally passive, data private
- Open Data: Public and purposeful
- ...

- Suppliers
- Aggregators
- Developers
- Enrichers
- Enablers

Tensions



Never doubt that a small group of thoughtful, committed citizens can change the world. It is the only thing that ever has

- Margaret Mead

- Supply vs. Demand?
- Citizen Participation?
- Need vs. Hackathons?
- Apps vs. Sustainability?
- Social vs. Commercial?

Value of Open Data: Any Evidence?



- Too early to measure success?
 - Strong evidence for benefits of open data is lacking
 - Issues with methodologies used for assessing (economic) value of open data: if all apps developed at a hack day had been procured by the government... & if people saved X number of hours per year from better access to data...
- More research and systematic assessment of impact needed!



OpenData Barometer

Open Data Barometer (ODB)



- Broad sample of 86 countries
- Aim: provide a global snapshot of the state of open government data
- Based on primary expert survey data & secondary indicator data
- Three sub-indices
 - Readiness: foundations for open data
 - Implementation: publication of key datasets
 - Emerging impacts: positive change through open data

ODB Key Findings - Implementation

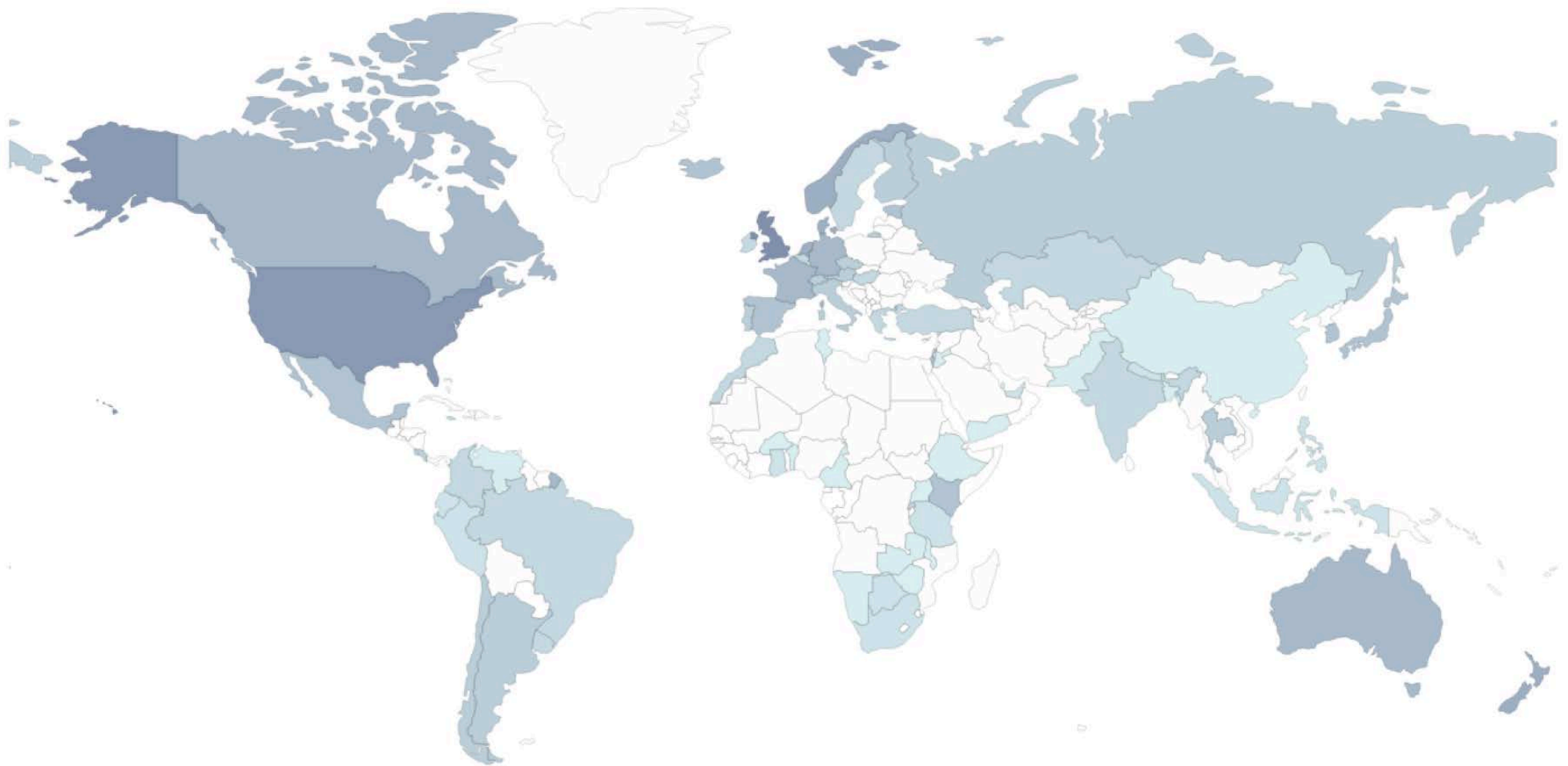


Figure 3: Heatmap of ODB Implementation score by country - based on openness of 14 key datasets.

It is not (only) about the number of datasets!

ODB dataset clusters:

- Innovation: incl. maps, public transport, international trade
- Social policy: incl. health, environment, education, census
- Accountability: incl. company register, budget & spending

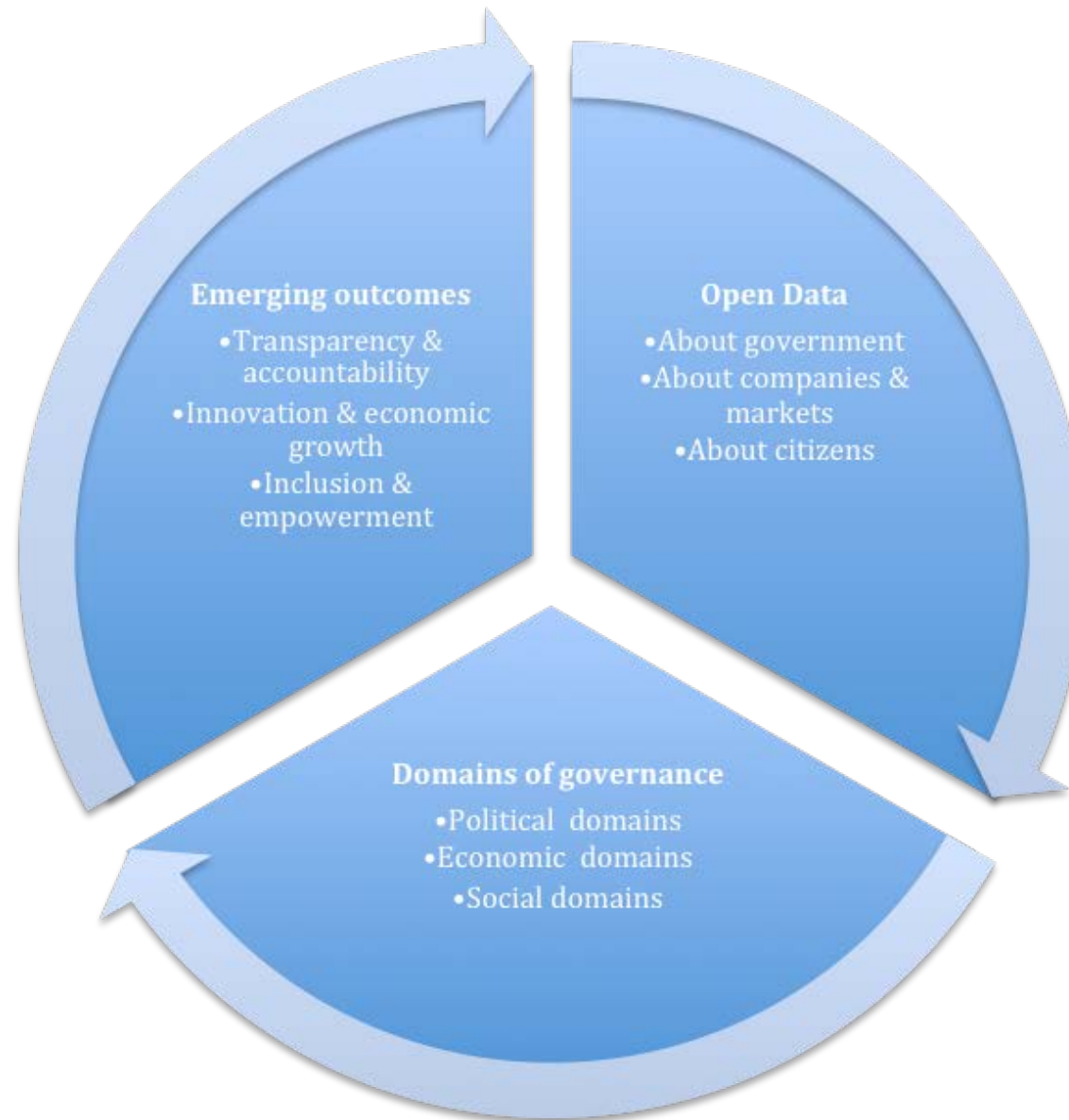


ODDC

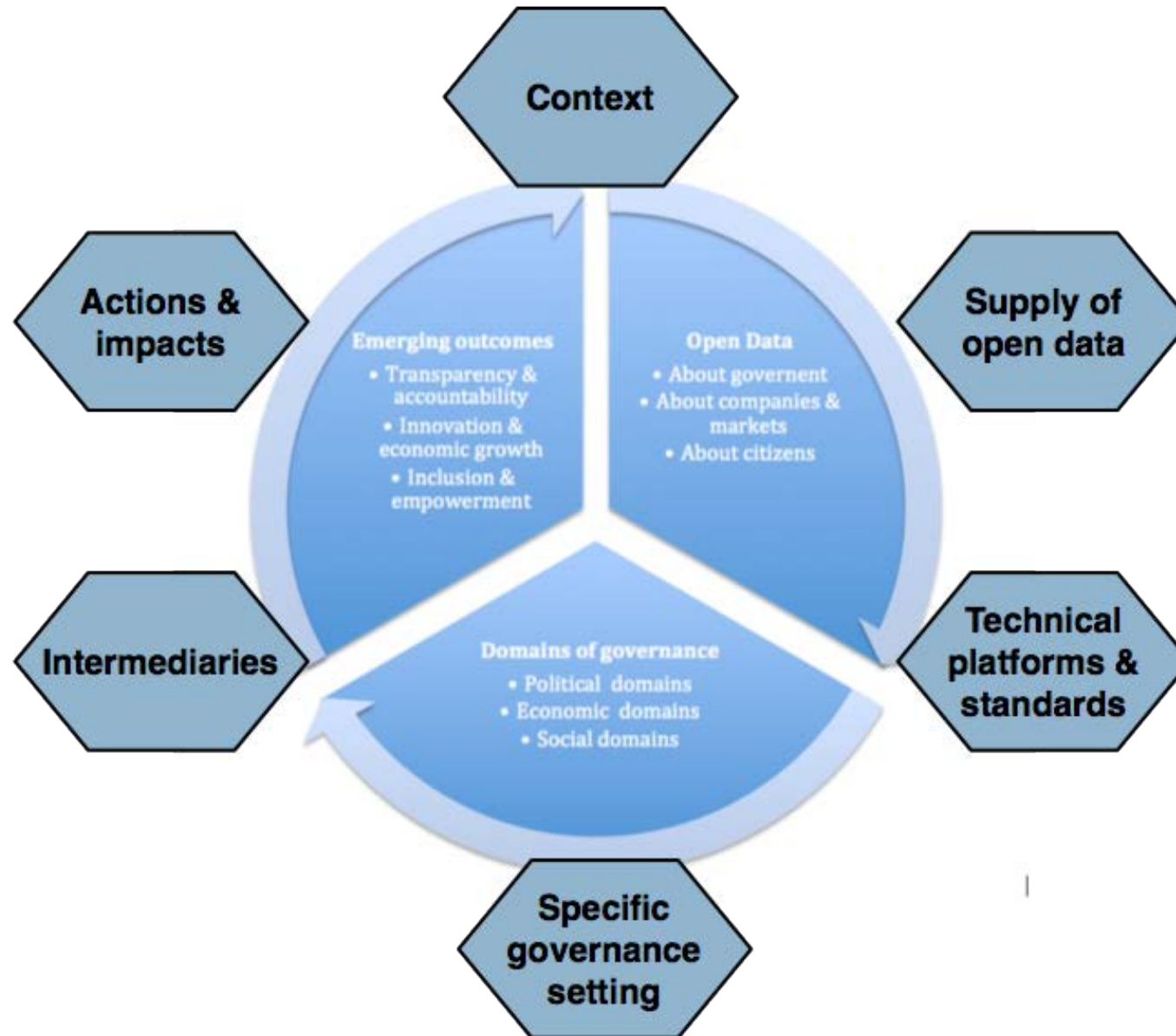
Exploring the Emerging Impacts of
Open Data in Developing Countries

The 'Exploring the Emerging Impacts of Open Data in Developing Countries' research project is funded by Canada's International Development Research Centre

ODDC - Focus Areas



ODDC - Research Framework



ODDC - Case Study Network



ODDC Key Takeaways



- Identifying gaps
- Mismatch in supply and demand
- New spaces for accountability & effectiveness
- Changing government processes internally
- Importance of Data Intermediaries
- License issues
- Privacy
- Beyond Portals
- One size does not fit all

Need?

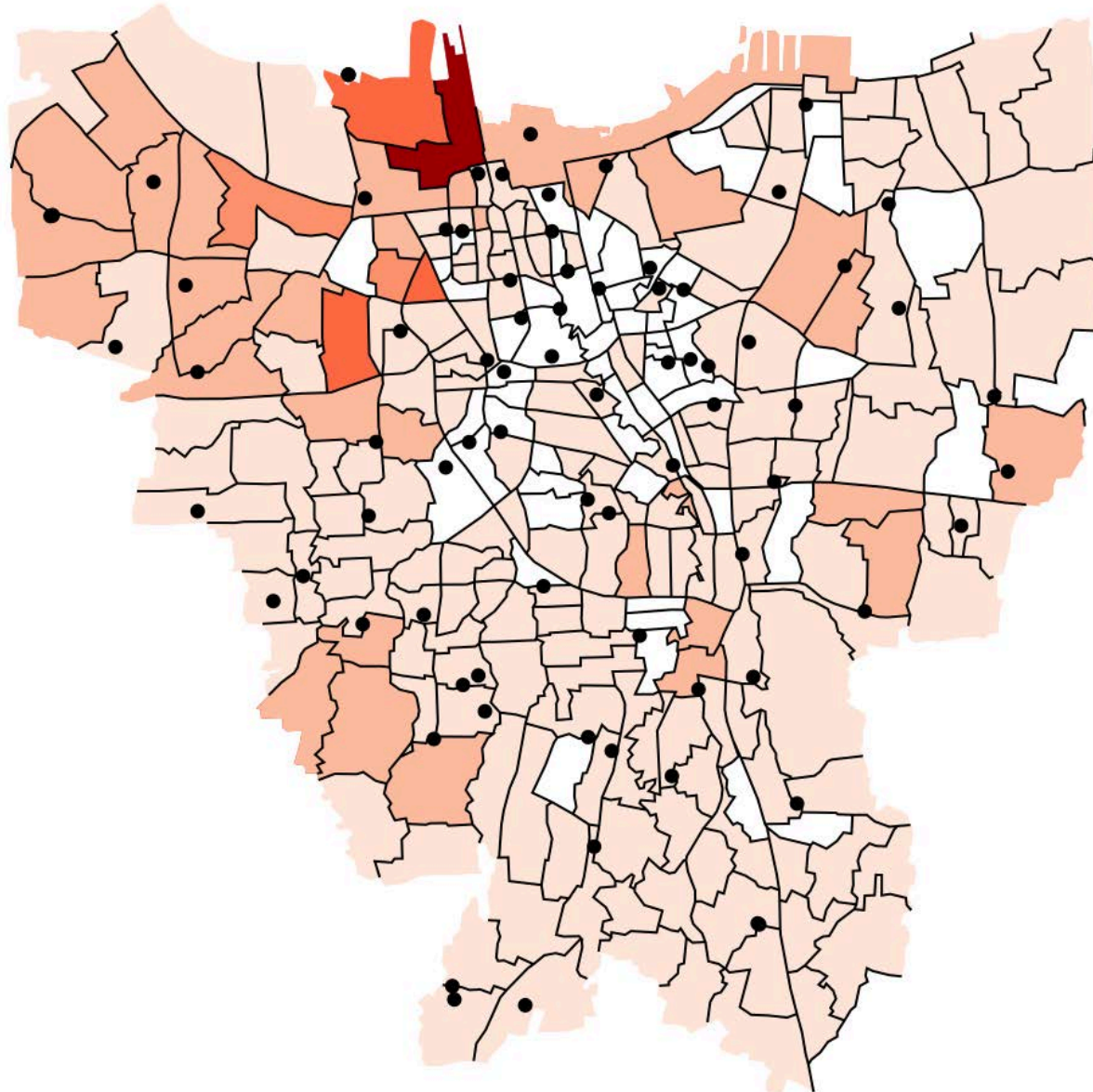
- To better understand the data gap
- Not just tools, understanding the data ecosystem
- Engaging local actors
- Building capacity
- Identifying opportunity

Open Data Lab Jakarta

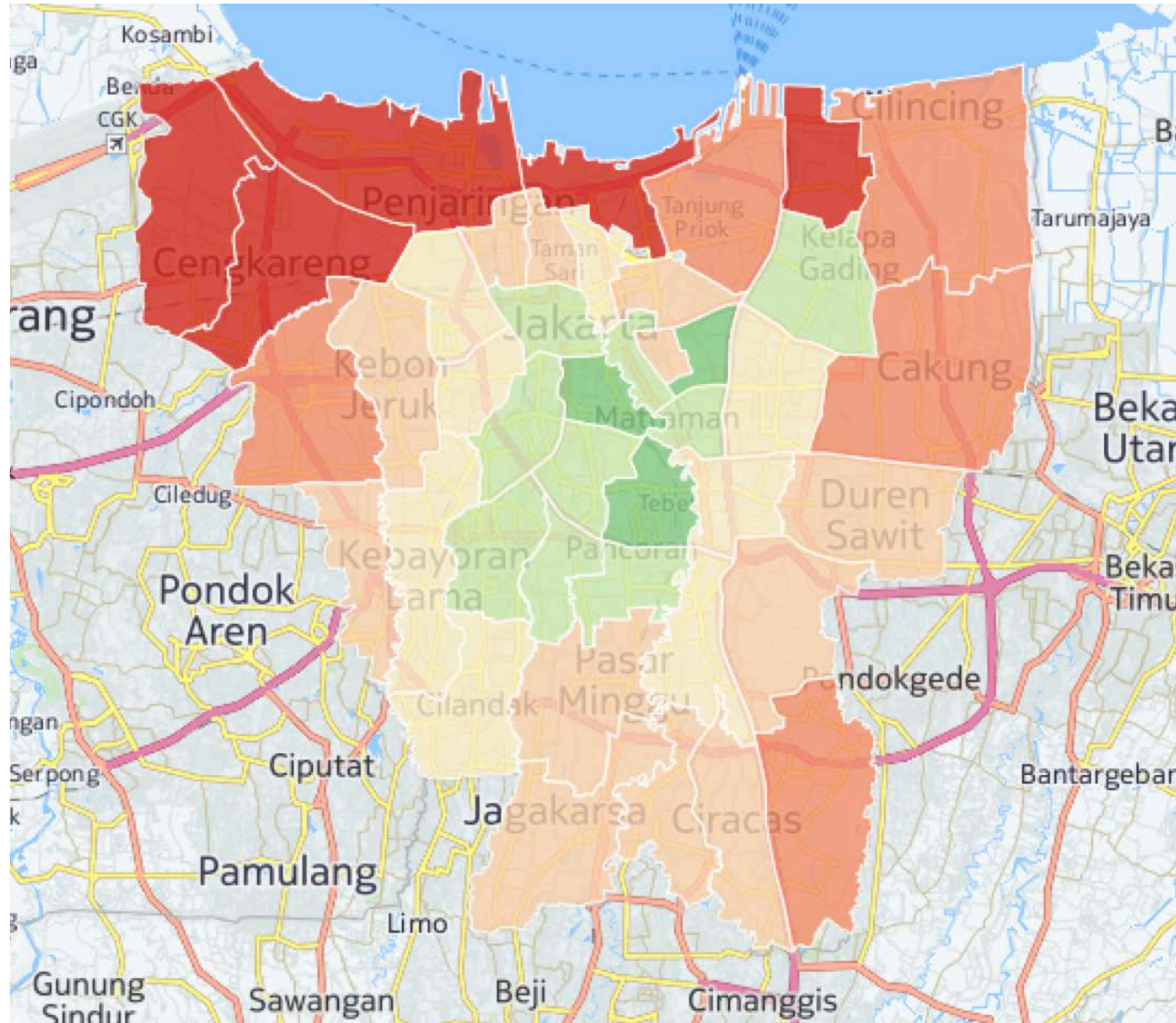


- Identifying opportunity & establishing partnerships
- Jakarta City Government
- Engaging local actors

Fire Posts & Incidents in Jakarta



Student-Teacher Ratio in Jakarta



Summary



Questions!



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