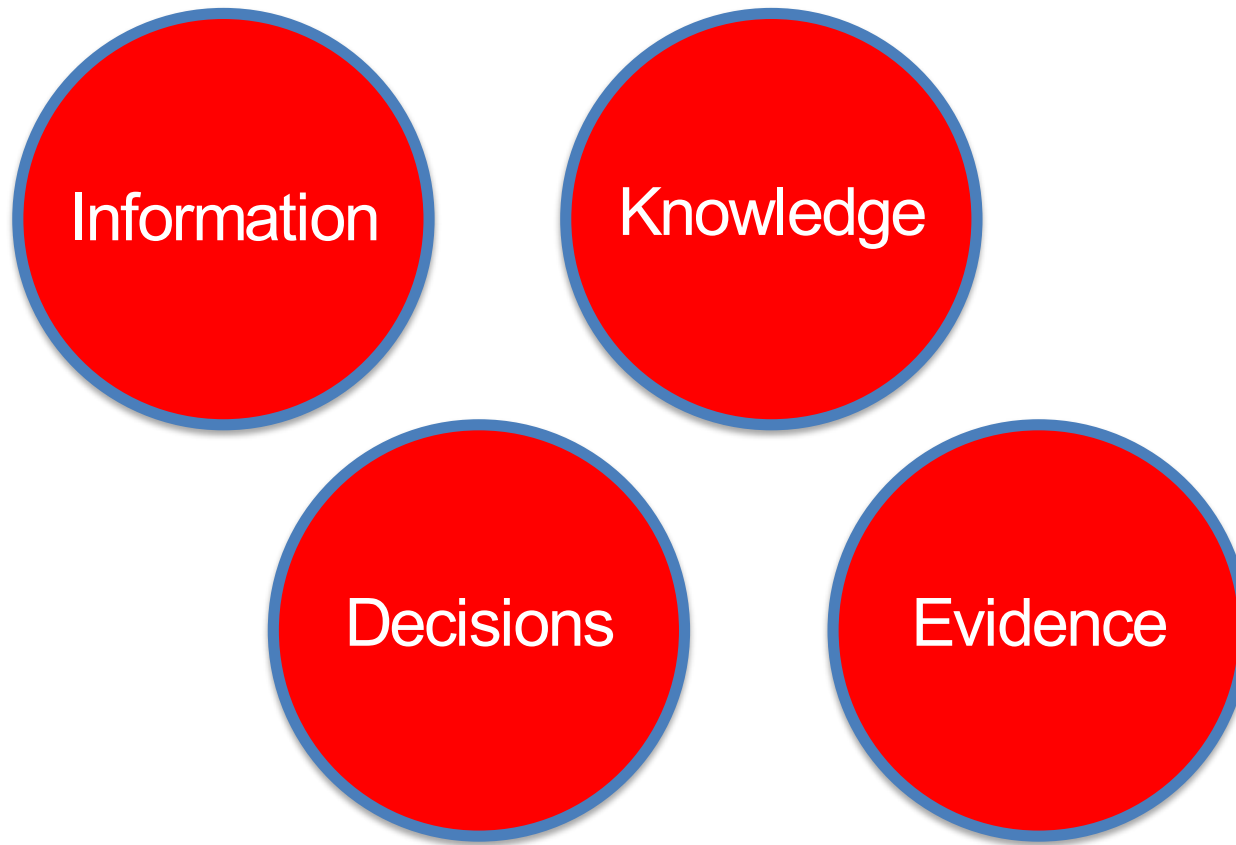# Open Data Basics

Heather Leson, Data Literacy Lead

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Data can lead to:

Information

Knowledge

Decisions

Evidence

Data Types

Community/Citizen

- SMS Mobile Data
- Email
- Surveys
- Social Media (Whatsapp, Facebook, Twitter, Instagram)
- Multimedia (Photos, Video, VR)

Government

- Census/Population
- Statistics
- Infrastructure
- Finance/Budgets/Spending
- Companies/Land Ownership
- Pollution Index/Water Quality

Physical

- Geographical
- Infrastructure

Aerial/Satellite

- Satellite
- Aerial/UAV
- Balloon Mapping

Sensor/New Tech

- Biometric
- Genetic (Crispr)
- Movement
- Meteorology
- Bitcoin

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Open Source

Open-source software *(OSS)* is computer **software** with its **source** code made available with a license in which the copyright holder provides the rights to study, change, and distribute the **software** to anyone and for any purpose.
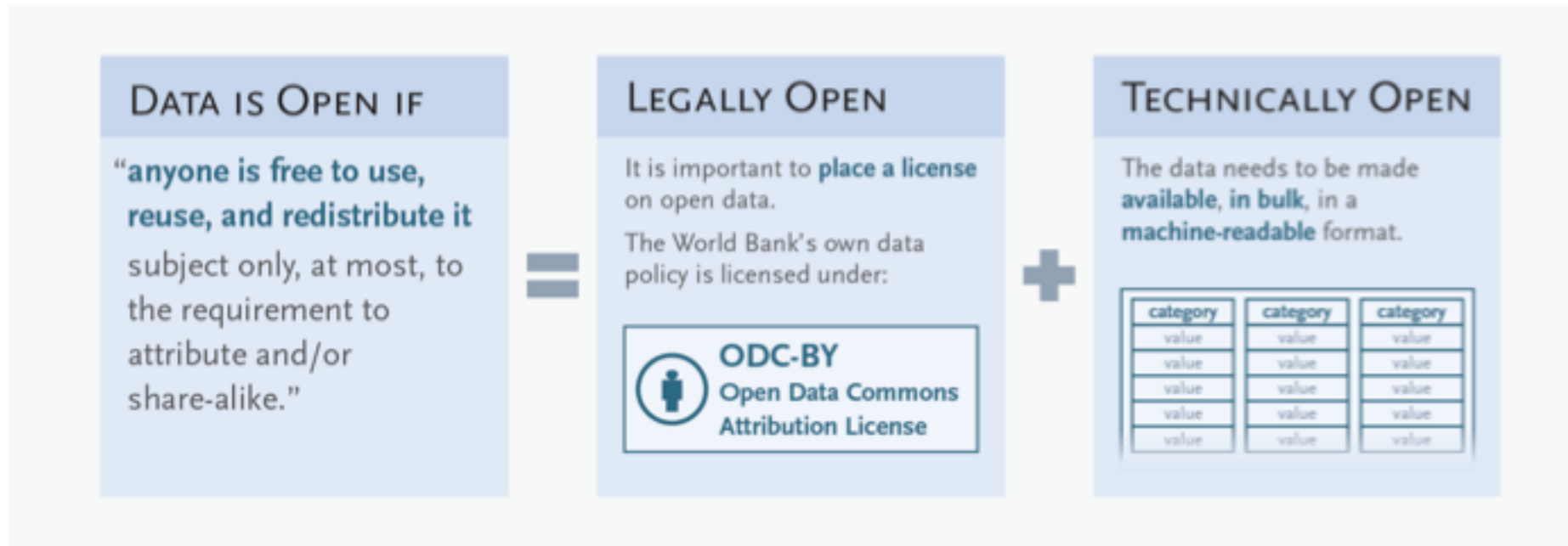
Examples: Firefox, OpenMapKit, Apache

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What is Open Data

Open data is data that can be **freely used, modified, and shared** by **anyone** for **any purpose.**

DATA 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."

=

LEGALLY OPEN

It is important to **place a license** on open data.

The World Bank's own data policy is licensed under:

ODC-BY
Open Data Commons
Attribution License

+

TECHNICALLY OPEN

The data needs to be made **available, in bulk**, in a **machine-readable** format.

category	category	category
value	value	value
value	value	value
value	value	value
value	value	value
value	value	value

Why Open Data?

Without better and more inclusive data, we are not connecting with local communities to understand risk, address key issues.
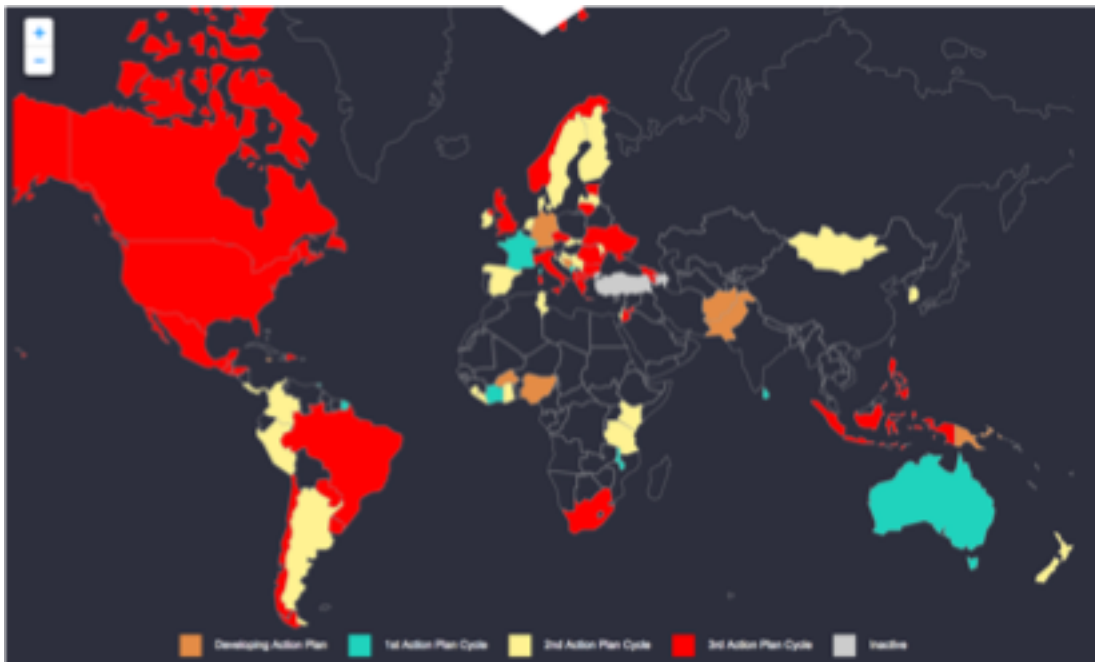
Why does open data matter for Funders?

Open Data Charter Government Stewards:

UK, Canada, Mexico, France, Italy

Organizations:

World Bank Group, United Nations, Organization of American States (OAS), Organization for Economic Co-operation and Development (OECD), Inter-American Development Bank (IADB), African Development Bank Group, Economic Commission for Latin America and the Caribbean (ECLAC/CEPAL).

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Open Government Partnership (OGP)

The Open Government Partnership is a multilateral initiative that aims to secure concrete commitments from governments to promote transparency, empower citizens, fight corruption, and harness new technologies to strengthen governance.
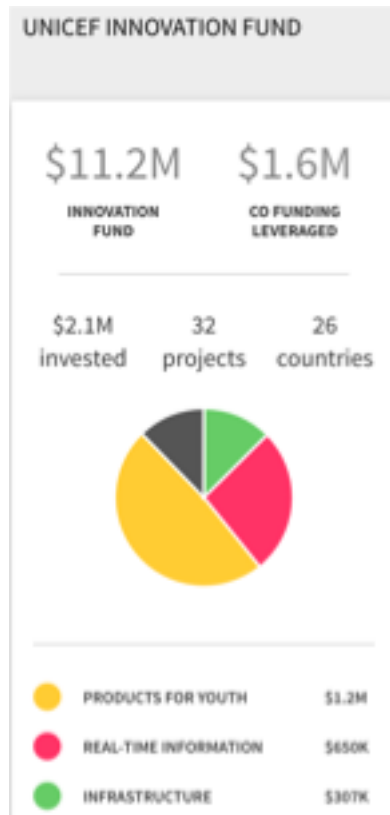
75 Countries, many funders

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Grand Bargain:

IFRC and 29 other signatories signed for these goals:

- **Greater transparency**
- More support and funding tools for local and national responders
- Reduce duplication and management costs with periodic functional reviews
- Improve joint and impartial needs assessments
- **A participation revolution:** include people receiving aid in making the decisions which affect their lives
- Increase collaborative humanitarian multi-year planning and funding
- Reduce the earmarking of donor contributions
- **Harmonize and simplify reporting requirements**
- **Enhance engagement between humanitarian and development actors**

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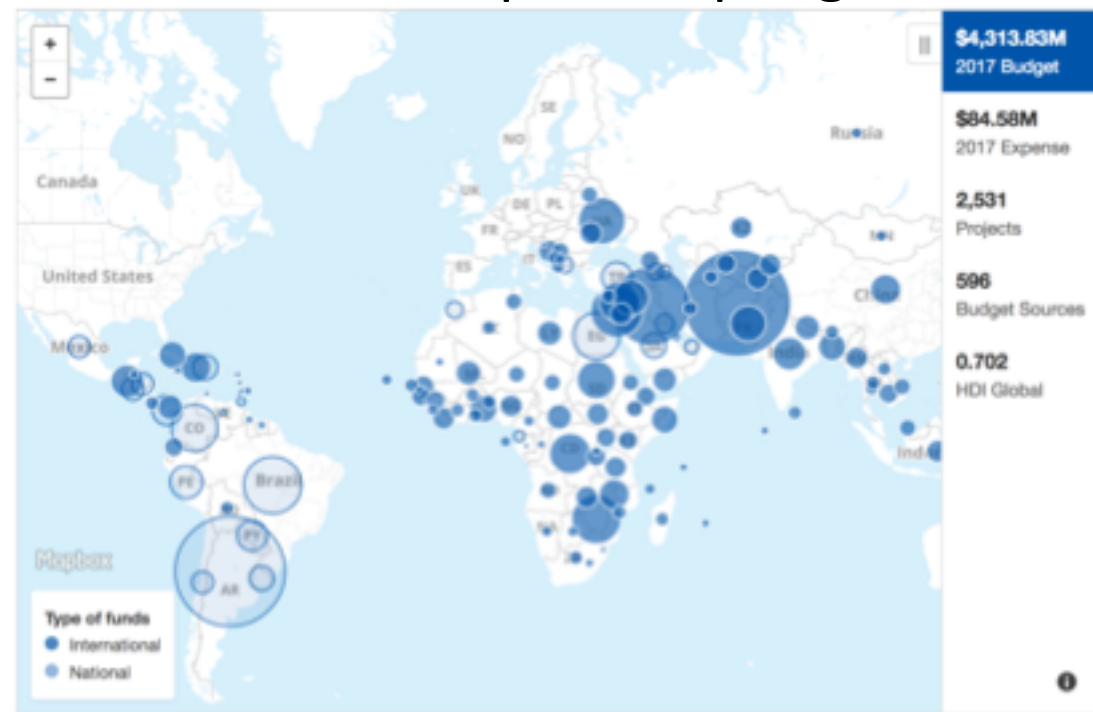# International Aid Transparency Index (IATI)

IATI makes information about aid spending easier to access, use and understand.

IATI is a voluntary, multi-stakeholder initiative that seeks to **improve the transparency of aid, development, and humanitarian resources** in order to increase their effectiveness in tackling poverty. IATI brings together **donor and recipient countries, civil society organisations, and other experts** in aid information who are committed to working together to increase the transparency and openness of aid.

Examples of Open Data: UNDP, Unicef

open.undp.org

IFRC Example: Missing Maps

Step 1.
Remote volunteers trace satellite imagery into OpenStreetMap

Step 2.
Community volunteers add local detail such as neighborhoods, street names, and evacuation centers

Step 3.
Humanitarian organizations use mapped information to plan risk reduction and disaster response activities that save lives

IFRC Example: Cash Peer Working Group

Mobile Data Collection

The Cash Peer Working Group Toolkit includes guides and templates for the OpenDataKit.

See: http://rcmcash.org

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Responsible Data Use

How do we gauge what data we can and should share?

Responsible Data and Data Protection guidelines are important. Open Data cannot happen without decisions around data sharing or data protection. We need to be deliberate, but open to investigating.

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THANK YOU

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