

UN Data Science Cell

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The UN Secretary-General's Innovation Lab

Vision:

A future in which digital innovation is used responsibly for the public good

Mission:

Accelerate discovery and adoption of data analytics for sustainable development and humanitarian action

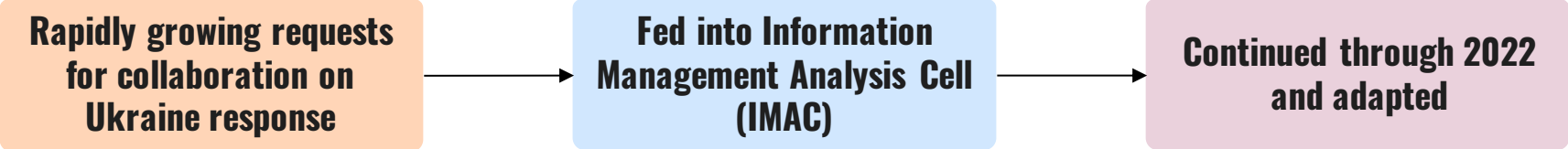


Labs in **New York, Kampala, Jakarta, and Helsinki** are a space for joint experimentation, where we work with academia, the private and public sectors, and civil society

UN Data Science Cell Membership



Initial Formulation of the UN Data Science Cell



AI/machine learning

Ethics and privacy assessments

Facebook for good

Facebook marketing API

Social media data

Econometric/demographic modeling

Smartphone based (non-CDR) mobility

Call data records

Mobility data from different sources

Satellite data

Night time lights data

Crowd-sourced data, Secondary data

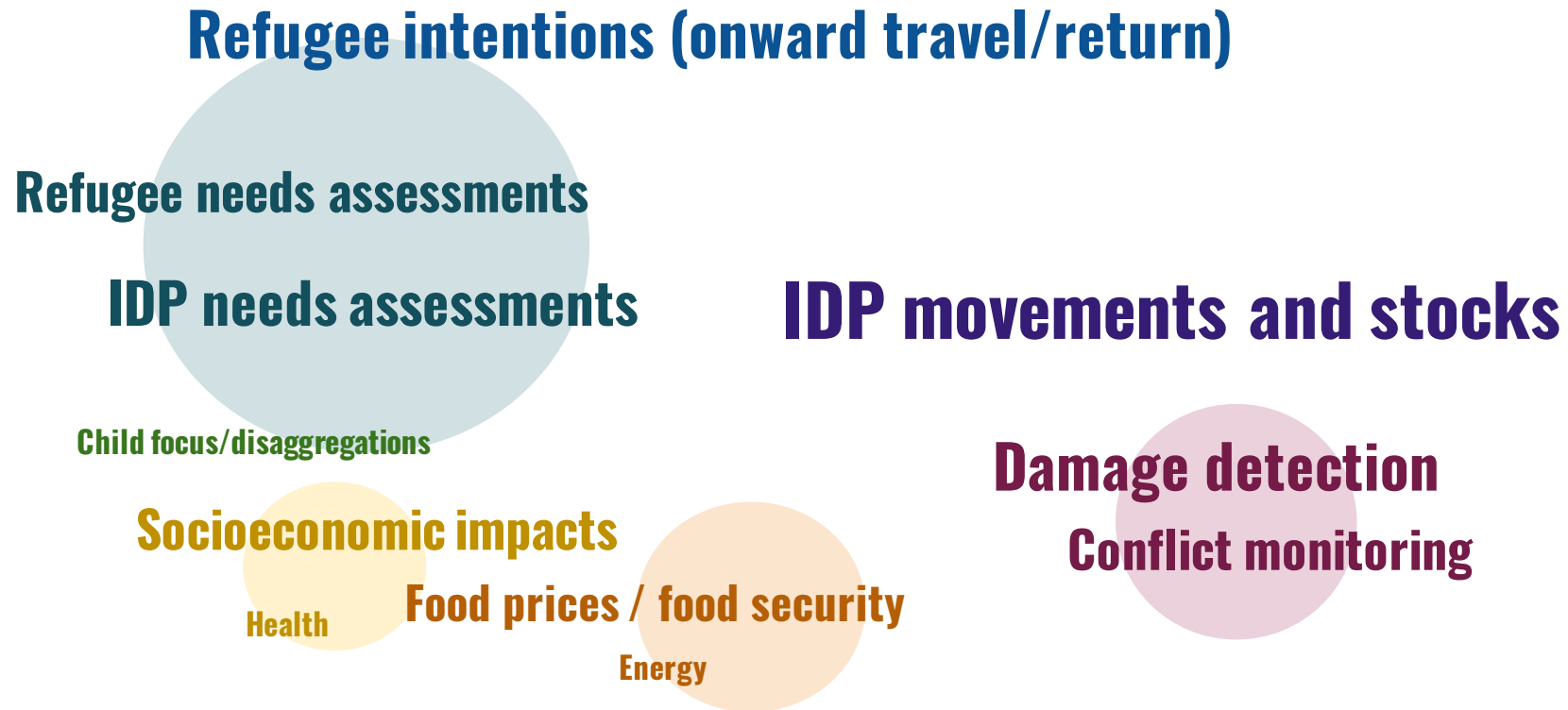
Online surveys

Qualitative survey

Triangulation against ground surveys

UN system enumerators, Ukraine government

A Typology of Thematic Areas of Work

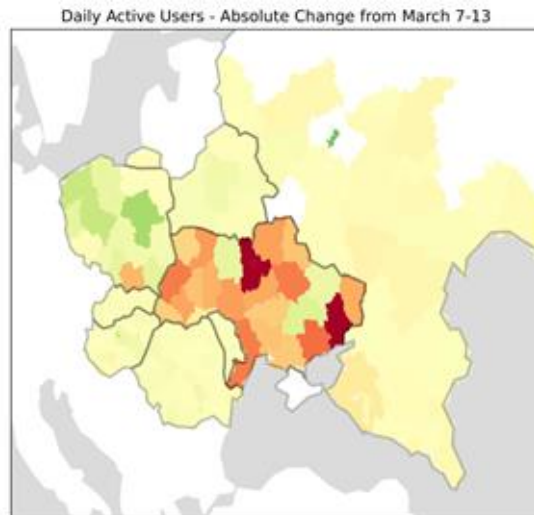


UN Data Science Cell: Member Activities and Requests



Population Estimation

Alternative data sources



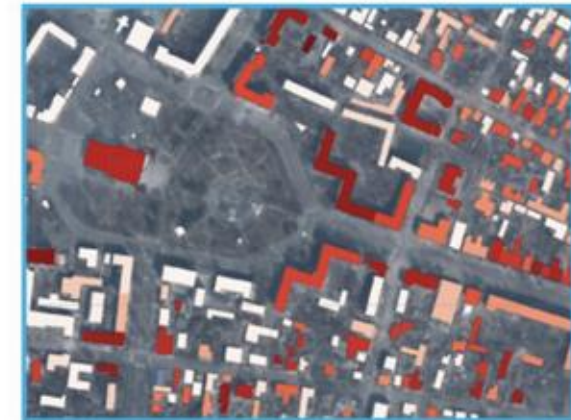
Socioeconomic Assessment

Return intentions



Situational Awareness

Damage assessment



Advising on use of new datasets

Needs and Challenges

Need for more **resources and connections**

Need for **better communication**

Need for **improved coordination**

Need for more **community-building**

Need for **collaborative spaces**

Future Plans

- A **standing capacity** for future crisis response
- **Sharing information** about data sources and methodologies for using them (including mobility data, social media data, remote sensing data, and online survey data)
- **Brainstorming** around outstanding needs and coordinating on requests for new data sources
- **Discussing ethical considerations** surrounding the use of the data
- **Inviting internal and external guest speakers** to present new research and methodologies (joseph.bullock@un.org)

