



Capacity building and the global human settlement data

BILL &
MELINDA
GATES
foundation

Richard Sliuzas, University of Twente
Vincent Seaman, Bill & Melinda Gates Foundation



UNIVERSITY OF TWENTE.

Content

- Capacity development
- Capabilities approach
- Some issues to consider
- Examples



Capabilities and capacity development

Capability
Ability to apply tools
and skills effectively,
willingness to act,
leadership,
ownership, agency

+

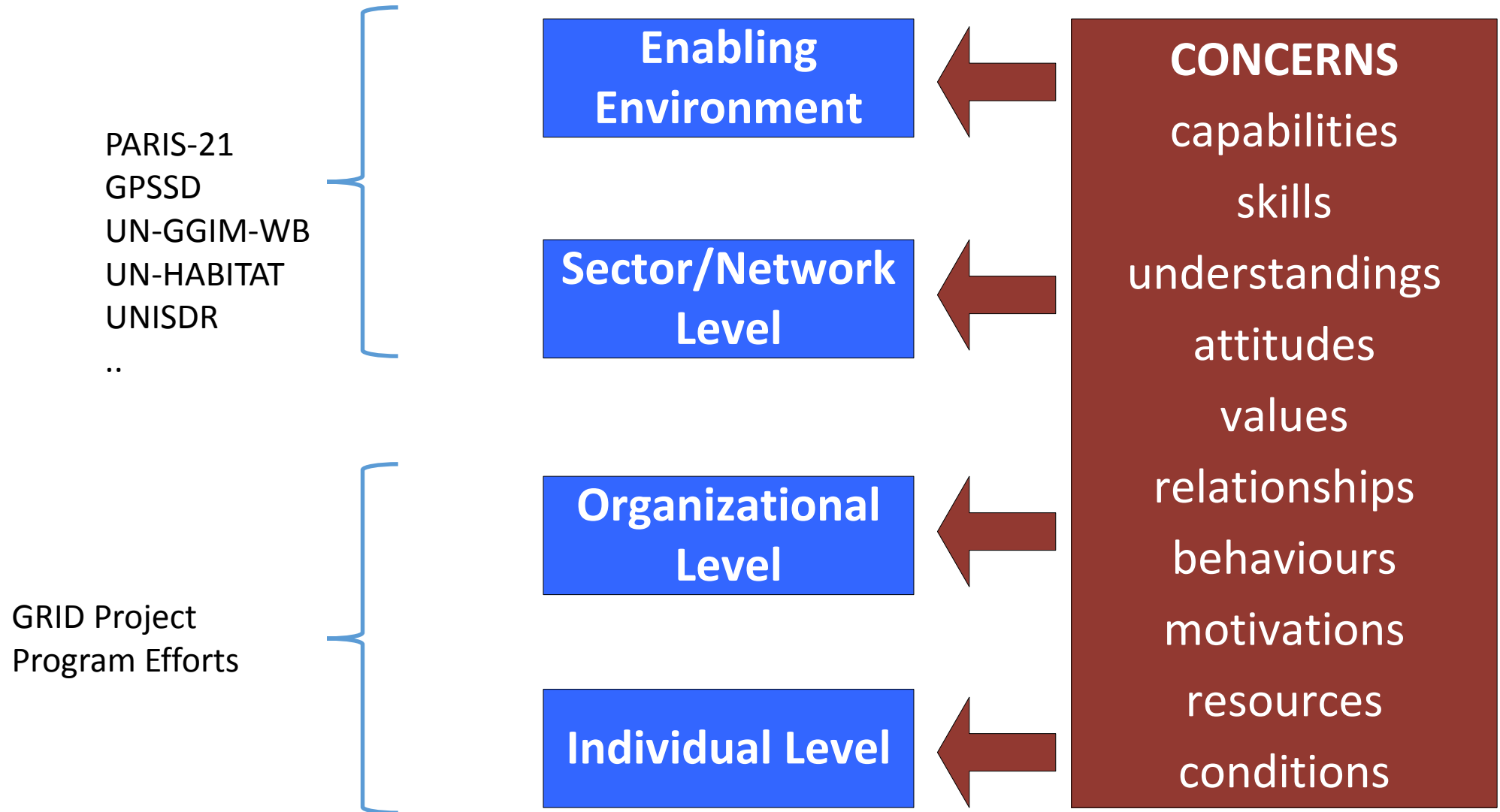
**Resources, volume,
replicability and scale**
No. of people,
equipment, etc and
productivity levels

=

Capacity
to respond
adaptively, integrate
GHSL data and related
products into policy
development and
action

Adapted from:CDKN Working Paper 2017,
Capacity development: Taking a targeted approach

Issues: levels, domains, time, delivery modes



DfID-BMGF Partnership to co-fund GRID and other Key Geospatial and Data-related Projects

Leverages existing BMGF-DFID Collaborative Agreement

DfID Contribution: £15 million over 5 years beginning in 2017

- 75% of funds will be allocated to support the creation of Core Geo-Spatial Reference Layers and GIS/data management Capacity-Building in priority countries (GRID)
- 25% of funds will be allocated to other data-related projects (TBD)
- BMGF expected to contribute an equal or greater amount for each project

Priority BMGF-DfID GRID Geographies - 2017



BMGF Leads

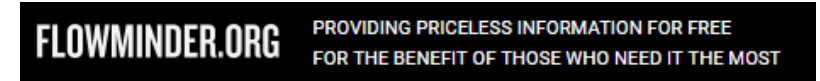
[Vince Seaman](#) | [Deputy Director](#) | [Io Blair-Freese](#) | APO | Strategy, Data & Analytics Team | Global Development

DfID Leads

[Seb Mhatre](#) | [Data Innovation Lead](#) | Data For Development Team

Partnership to Develop Core Geo-Spatial Reference Layers and Build Capacity

- *Collect basic geospatial reference data (access geo-referenced national census data where available)*
- *Build capacity within Census/Population Commission, Bureau of Statistics (UNFPA, Flowminder)*
- *Develop Population/Demographics & Population dynamics modeling*
- *Build data management/use capacity across all sectors*



PROJECT 1 (census-based)

Support National Statistics Office/Population Council to **conduct georeferenced census & manage data**

PROJECT 2 (no census)

Support National Statistics Office/Population Council to **collect/model geospatial reference data**

GRID Layers

- Settlement names/locations
- Key Points of Interest
- Administrative Boundaries
- Population Estimates



GRID PROJECT DELIVERABLES

1. Geo-referenced layer of all settlements and key POIs
(from feature extraction layer)
2. Validated sub-national boundary layers (from settlement attributes)
3. Population & demographic estimates at 90 meters
(from neighborhood classification and microcensus data)
4. Capacity-building for NSO, NGA, and other government agencies
5. Country and Global Data Platforms

Intensive Capacity-Building *(minimum 24 months)*

NATIONAL STATISTICS OFFICE/POPULATION COMMISSION

- Training, software & hardware provision, technical support
- Manage, use and curate census data and other national statistics

NATIONAL GEOSPATIAL AGENCY

- Training, software & hardware provision, technical support
- Manage, use and curate national geodatabase
- Regular updates of boundaries, settlements, & POIs

OTHER GOVERNMENT MINISTRIES/AGENCIES (FINANCE, ELECTORAL, EDUCATION, UTILITIES, ETC.)

- Identify priority use-cases & applications
- Assist NSO and NGA in supporting other agencies

REGIONAL WORKSHOPS & TRAINING

- Additional opportunities to enhance GIS skills
- Network and share best practices with other AFRO country teams

Capacity-
building must
include
identifying &
training local
“champions”



Opportunity: national urban policies

Rapid urbanisation.

What is the structure of human settlements' hierarchy?

How is spatial structure connected to distribution of functions?

How to steer settlement structure to support sustainable development?

Details:

l.g.j.boerboom@utwente.nl

Spatial Development Framework to support National Urban Policies

Luc Boerboom,

Assistant Professor of Spatial Planning and Decision Support Systems and Infrastructures, Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente.

Montse Gibert,

Regional Planning Consultant.

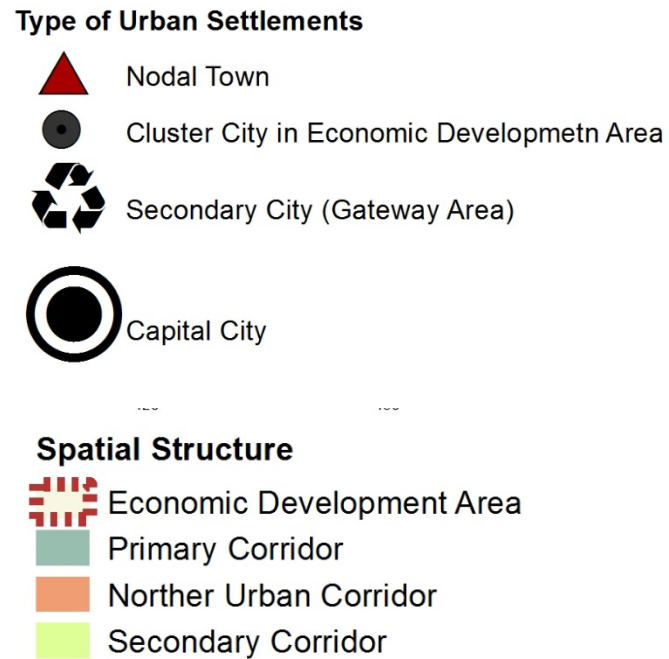
Mathias Spaliviero,

Senior Human Settlements Officer, Regional Office for Africa (ROAf), UN-Habitat

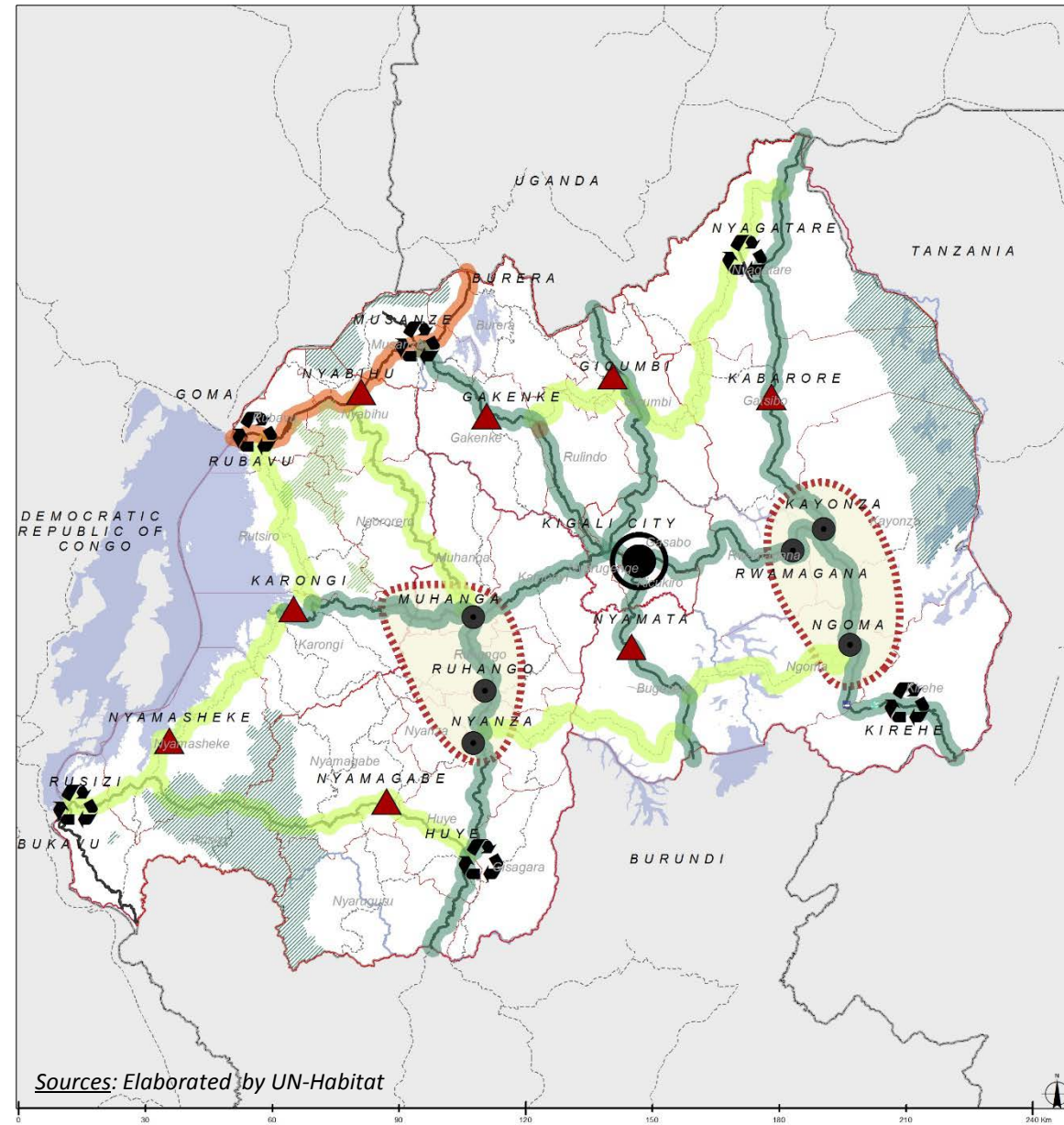
UN-Habitat URBAN DIALOGUE SESSION, 9 June 2016.
OED Board Room. 15:00 – 17:00



Result: Emerging Spatial structure, not as wish, but reality



How to steer the urban settlement structure in an appropriate manner?



With settlement footprints every 3-5 years we could:

- Avoid simplistic understanding of territory
- Show rates of change of all settlements not just primary & secondary cities
- Consider clusters of settlements
- Be more convincing than census/10 years
- Be more adaptive in policy
- Develop policy with differentiation not only of secondary cities, but also development areas of multiple settlements, and upcoming nodal towns.

Organizational Assessment Framework

