Mapping the Global Fundamental Geospatial Data Themes to the Sustainable Development Goals

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SDGs in Burkina Faso: From SDGs to PNDES

• Context
  - The United Nations Sustainable Development Goals (2030)
  - African Union Agenda 2063
  - Economic Community of West African States Strategic Framework
  - West African Economic and Monetary Union Convergence Criteria and Sectorial Policies

National plan for economic and social development (PNDES)

2016 - 2020
SDGs in Burkina Faso: From SDGs to PNDES

86 targets of 169 SDGs targets considered

Goal 6. Ensure availability and sustainable management of water and sanitation for all

- 6.1. By 2030, achieve universal and equitable access to safe and affordable drinking water for all

Axis 2: Developing human capital

- Strategic Objective 2.5: Improve the living environment, access to water, sanitation and quality energy services
  - Expected effect 2.5.1: the access of all to a decent living environment, to water and quality sanitation is guaranteed
SDGs in Burkina Faso: From SDGs to PNDES

Main implementation standards

Less than 300 inhabitants per water point (drilling)

Less than 1 km from the house to the water point

Implementing the SDGs in Burkina Faso: The relevance of geography and ‘where’
Geospatial in SDGs monitoring: Drinking water in Burkina Faso

- Demography criteria: less than 300 inhabitants per water point

With statistics \( \rightarrow \) Just a division

Total population/Number of water points

In rural area in 2007, more than 47K modern water point for less than 12M people

\( \frac{12M}{47K} = 255 \) ! goal achieved ???

No!

Where are the water points?

Where are people?

Implementing the SDGs in Burkina Faso: The relevance of geography and ‘where’

Abdoulaye BELEM

Mexico City, Nov. 28th 2017
Geospatial in SDGs monitoring: Drinking water in Burkina Faso

Distance criteria: less than 1 km inhabitants per water point

With *Where* just make a buffer around the water point points

89% of coverage! *Good*

But which way will people take from house to water point?

Geography (topography, hydro, forest...)

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Due to the river, this house is not covered by Bissiga’s water point

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Mexico City, Nov. 28th 2017
6.1. By 2030, achieve *universal and equitable access* to safe and affordable *drinking water* for *all*.
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**Datasets**

- Water
  - Water Points
  - Rivers
  - Wells
  - Potable Water Sources
  - ...
- Population Distribution
  - Rural/Urban
  - Gender Disaggregation
  - Youth Disaggregation
  - Vulnerable Groups
  - ....

**SDG Mapping to the Fundamental Data Themes**

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- Population Distribution
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SDG Mapping to the Fundamental Data Themes

• Goal 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
  – Target 9.1: Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all
  • Indicator 9.1.1: Proportion of the rural population who live within 2 km of an all season road
Indicator 9.1.1

- Indicator 9.1.1: Proportion of the rural population who live within 2 km of an all season road

- Population Distribution
- Physical Infrastructure
- Land Cover and Land Use
Indictor 9.1.1

- Indicator 9.1.1: Proportion of the rural population who live within 2 km of an all season road
Breakouts
Each Group has:

• Goals, targets and indicators for a selection of SDGs
• Those indicators which the IAEG-SDG WGGI think can benefit from geospatial data are indicated in pink (direct contribution) and blue (significant/supporting contribution)
• Sheets of data theme stickers
Each Group will:

• Discuss which data themes are relevant to the indicators - no need to confine yourselves to the pink and blue ones.
• Consider what datasets will be required – write on sheet
• Consider what is missing regionally and in your country
• What sources might you use?