More Space for Sustainable Development
A brief intro to ESA's strategic partnership with the WB

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GPURL - ESA EO4SD Learning Event | World Bank HQ, Washington DC, 21/22 Jan 2020

United Space in Europe
United Europe in Space

European Space Agency
Is Our Middle Name

ESA-developed Earth Observation Missions

Copernicus Sentinels for operational monitoring
"Collecting rich data on the world’s problems is the first step toward fixing them."

- Seth Stephens-Davidowitz, former Google Data Scientist

"Make Change visible and actionable"

- From fields to countries to continents to the globe

"Data and evidence are the foundation of development policy and effective program implementation."

- Mahmoud Mohieldin, former SVP, World Bank

EO for People & the Planet

Transforming our World: The 2030 Plan for Global Action

Article 76: We will promote transparent and accountable scaling up of appropriate public-private cooperation to exploit the contribution to be made by a wide range of data, including Earth observation and geo-spatial information, while ensuring national ownership in supporting and tracking progress."
Earth Observation provides [...] an unbiased, consistent and timely perspective that can inform data-driven decision-making. It therefore helps us to achieve our core mission at the World Bank [...] and to better serve our clients.”

Laura Tuck, VP, World Bank

**EO for Sustainable Development**

Promoting geo-data literacy and use in international development

- 65+ small-scale demonstrations of EO services in support of IFI projects during 2008-2016
- World Bank, ADB, IADB, IFAD, IFC, EIB, EBRD

**EO4SD: Urban Development**

- Phase 1 (3 years | 2016-2020 | 25 m€):
  - Consolidate Requirements, engage stakeholders (IFIs & Client States) via regional demonstrations of EO
- Phase 2 (5 years | 2020-2024 | tbd m€):
  - Mainstream & transfer EO into operational working processes & financing of ODA/development aid as 'best-practice' source of geo-information (M&E, safeguards, etc.)
- Thematic priority areas & strategic agreements:
  - Urban Development, Agriculture/Rural, Water Resources, Disaster Risk Reduction, Climate Resilience, Fragility, Marine/Coastal, Forests

**EO4SD: EO Products for Urban Development**

- Phase 1: Baseline Products
  - Urban and Peri-Urban Land Use / Land Cover
  - Population Density
  - Vehicular Traffic
  - Transport Infrastructure
  - Informal Settlements
  - Flood Risk
  - Landslide Risk
  - Terrain Motion

- Phase 2: Detailed Change
  - Archival Webinar Series
Promoting geo-data literacy and use in Intl. Dev.

Since the start of the ESA collaboration with IFIs we worked with more than 100 service providers from more than 20 different countries.