



Earth Observation for Sustainable Development

ESA's **World Bank** engagement

Christoph Aubrecht

Directorate of Earth Observation Programmes

European Space Agency ESA/ESRIN

Senior Geospatial Specialist | ESA Representative at the World Bank

www.esa.int



European Space Agency

Introduction: ESA engagement in WBG



WB Practices and Global Themes

Equitable Growth,
Finance and Institutions

Human Development

Global Themes

Sustainable Development

- Climate Change
- Public-Private Partnerships
- Fragility, Conflict & Violence
- Knowledge Management
- Gender



- Agriculture
- Energy & Extractives
- Environment & Natural Resources
- Social, Urban, Rural & Resilience**
- Transport & ICT
- Water

Regions	Africa	Latin America & Caribbean
	East Asia & Pacific	Middle East & Northern Africa
	Europe & Central Asia	South Asia

- **Set-up of Geospatial CoP and Analytics & Geospatial WG**
 - ~500 people community across WBG |vs| strategic advisory body
- **Set-up of GOST (Geospatial Operations Support Team)**
 - Originating out of SD Chief Economist Office in fall 2016 → now (FY18) moved to Knowledge Management under Global Themes
 - Initially thought of as **internal support unit** (analytics, data access, standard products); **broadening** quickly → now also including procurement (vendors, service providers) etc.
- **WBG Data Council**
 - Created in 2014 – linked to president's office, CEO leading
 - Addressing **priority (development) data gaps** → geospatial added as 4th area (AGWG)
 - **Data Development Hub** (with separate explicit reference to geospatial data)
- **WB membership in GEO**
 - Originated out of GSURR, moved to DEC → GOST now taking the lead
- **IFC**
 - Venture Investment unit → \$20m investment in Planet, looking for more
- **Partnerships**
 - UN-GGIM, GPSDD

- **IDA18 replenishment 2016**
 - Massive **focus change** → both geographical and thematic; budget allocation
- **Drivers on analytics**
 - DEC (Development Economics Group) → **data and research**
 - SD Chief Economist's Office → driving AGWG
 - Knowledge Management Unit → GOST + big data + open learning
- **Drivers on operations**
 - Global Solutions Groups → 'Land & Geospatial', 'Territorial and Spatial Development'
 - **UN-GGIM** (MoU signed in 8/2017) → **global framework** according to INSPIRE
- **SDG context**
 - **WBG SVP** on 2030 Development Agenda, UN Relations and Partnerships (M Mohieldin joined **GPSDD** board → now joint initiatives/funding)
 - DEC (**Atlas of SDGs** 2017 → ESA requested to support further consideration of geospatial/EO for next edition)

- **Main point for WBG:** *'How to better serve the client'*
 - Lending operations
 - Trust funds and grants
 - # Advisory Services and Analytics

} Two-fold **capacity building:**
internal (WB)/external (clients)
- **WB handling of 'geospatial'** (EO as part of that)
 - Traditionally in silos, **not part of broader strategy**
 - ➕ Starting to break up: GOST, Data council, etc. (ESA contributed to this process through **increasing internal awareness** via eoworld 1/2)
 - ➖ Lack of long-term **strategic institutional commitment**
 - ESA considered as **trusted partner and strategic advisor** (crucial visibility throughout the hierarchy needed due to **dynamic management movements**)
 - Support needed on move from data to **services** (lack of incentives for TTL)
 - **Open data** 'ambiguity' → policy vs. practice regarding EO data
- **Procurement practices**
 - **No common practice** on geospatial (changes/updates happening via GOST)
 - Aim: integrate **'geospatial'** as **standard component** in ToRs