Standards enabling SDG reporting

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Example 1 – SDG Data Alliance
SDG Data Alliance

To learn more...

www.sdg.org
Geo-Enabling Sustainable Development
An Interconnected System of Systems for the SDGs

Supporting Global Monitoring & Reporting of the Sustainable Development Goals
Example 2 – Digital Earth Africa
A partnership and community for African geospatial challenges

www.deafrica.africageoportal.com
Closing Perspectives
Success is Integrated and Holistic
Connecting organizations...
System of Systems Pattern

Digital Ecosystems

Integrated Geospatial Infrastructure

interconnect

Regional Planning Initiatives
Foundation Data Initiatives
Topical Initiatives
Whole-of-Government Collaborations
Multi-Level Collaborations
Whole-of-Business Collaborations
Emerging Hub Networks
National Spatial Data Infrastructure (NSDI)
World Regional Initiatives
Marine and Arctic SDI
Sustainable Development Goals
Standards across the system

- Domain Data Models:
  - INSPIRE
  - FGDC
  - ISO LADM, ...
  - IHO S-57 / S-100 series
  - NENA
  - SDMX

- Metadata:
  - FGDC CSDGM
  - ISO 19115 / 19139
  - INSPIRE
  - North Am. Profile
  - Dublin Core

- Web Services/APIs:
  - GeoServices REST
  - OGC WFS, WMS, WMTS
  - OGC API Features, Tiles, Catalog, Records...
  - IIS

- Security:
  - Trust
  - Identity
  - Data Sovereignty

- Encodings:
  - JSON
  - XML
  - GML
  - RDF

- Catalog & Search:
  - OGC API Records
  - DCAT
  - DCAT-AP
  - SEO practices
  - CSW

- Accessibility:
  - WCAG
  - W3C

- (Meta)data & Analytics
- Web Services & (Meta)data
- People & Partners
- Open & Secure Content Catalogs
- Maps & Apps / Tools & Solutions
- Digital Ecosystems

produce → publish → collaborate → share → use (& reuse) → interconnect

- ArcGIS Pro
- ArcGIS Enterprise
- ArcGIS Online
- ArcGIS Hub
Thank you

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