Maximizing discoverability and access in a system-of-systems

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Evolving SDI: Integrated Geospatial Infrastructure

Expanding beyond data to knowledge and understanding

Metadata catalogs

Federated portals

Digital ecosystems

Search & Discovery → Integration & Use
A System of Systems: Integrated Geospatial Infrastructure

Whether we call it SDI, Open Data, Digital Twin, or otherwise…

• Key characteristics:
  - Multi-organizational
  - Integrated Fundamental & Operational Data
  - Interoperable (standards)
  - Collaborative
  - Digital Ecosystem
  - Focus on End Users / Putting Data to Use
Digital Ecosystem: SDI Community of Practice

- Data Providers
- Coordinating Body
- Data Consumers
- SDI
Today: Global Geospatial Ecosystem
Sphere of Influence: Data Consumers
How do we maximize geodata discoverability and access in this system of systems?

Photo by Valentin Salja on Unsplash
Activities span the end-to-end workflows of data providers
Standards-based web services

Bereitstellung von Adressdaten über INSPIRE Open Data Kreis Lippe

Metadata

DCAT-AP
What does this enable?
Ease of Sharing and Integration: NebraskaMap and Douglas County
Collaborative Open Data hubs
Maximizing discoverability and access

Enabled by geospatial infrastructure
Let’s Recap

• The **main take-aways** to leave with:
  - A global digital ecosystem is emerging
  - **Maximize geodata discoverability and access** takes place across end-to-end workflows
  - Expand access through maps and apps to engage new audiences and enable new things!
Esri’s Open Vision & Geospatial Infrastructure Resources

https://www.esri.com/en-us/arcgis/open-vision
