



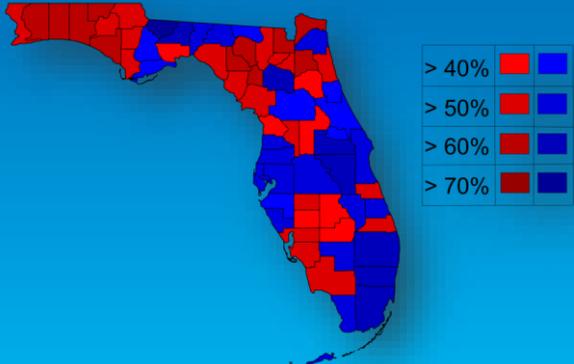
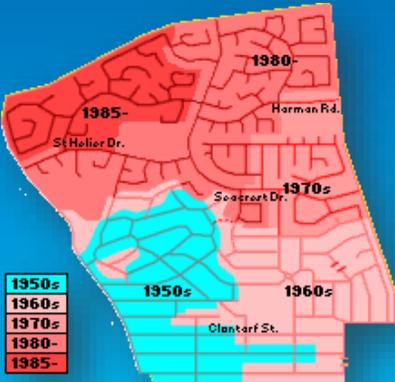
Statistical analysis of geospatial information | relevance of SDI's and international standards

Linda Peters, Esri

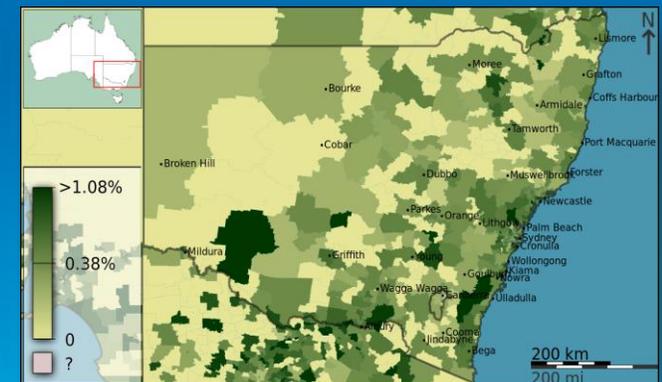
The geospatial and statistical communities are **major contributors** of information used as evidence in decision-making processes across many sectors, both public and private.

With the increasing complexity of national and global challenges and issues, the need to understand the interrelationships across the economic, social and environmental pillars is becoming **critical**

Integration - cartographic and statistical information critical for both public and private sectors



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Essential for GGIM

- Interoperability
- Data Accuracy
- Security



Challenges to Interoperability, Data Accuracy & Security

- **Multiple Platforms (Operating Systems, Databases, ...)**
- **Multiple Architecture (Local, Enterprise, Web, Cloud,...)**
- **Multiple Clients (Desktop, Web, Mobile, ...)**
- **Multiple Developer Environments (.NET, Java,...)**
- **Multiple Protocols (SOAP, REST, OGC,.....)**
- **Multiple Encodings (XML, Raster Formats, GML, JSON,)**

Change



Consumerisation of Technology



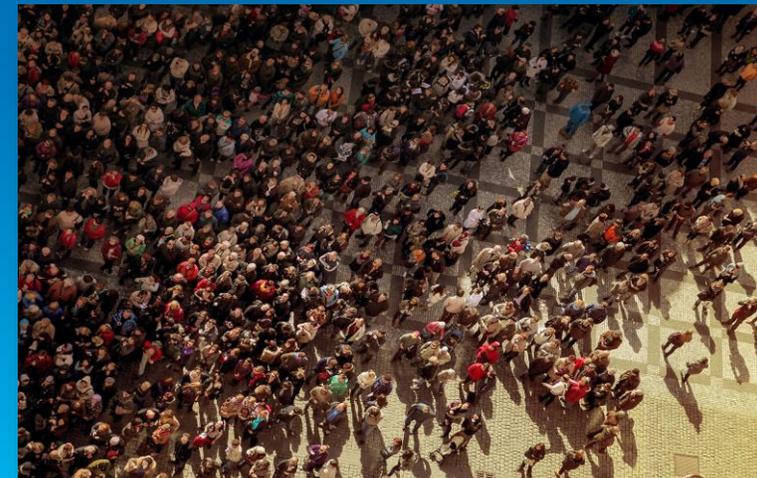
Disasters



BIG Data

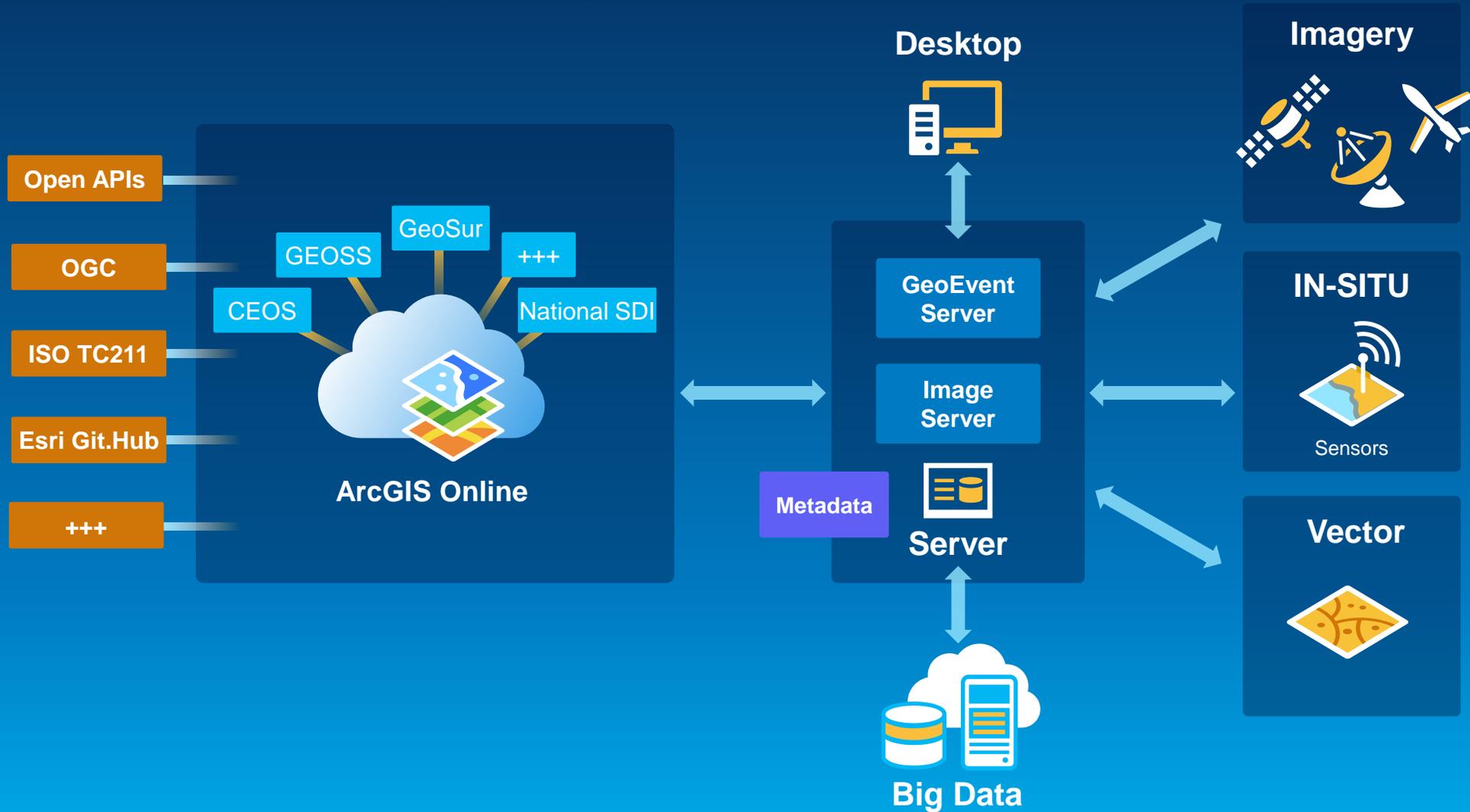


Human Capital Management

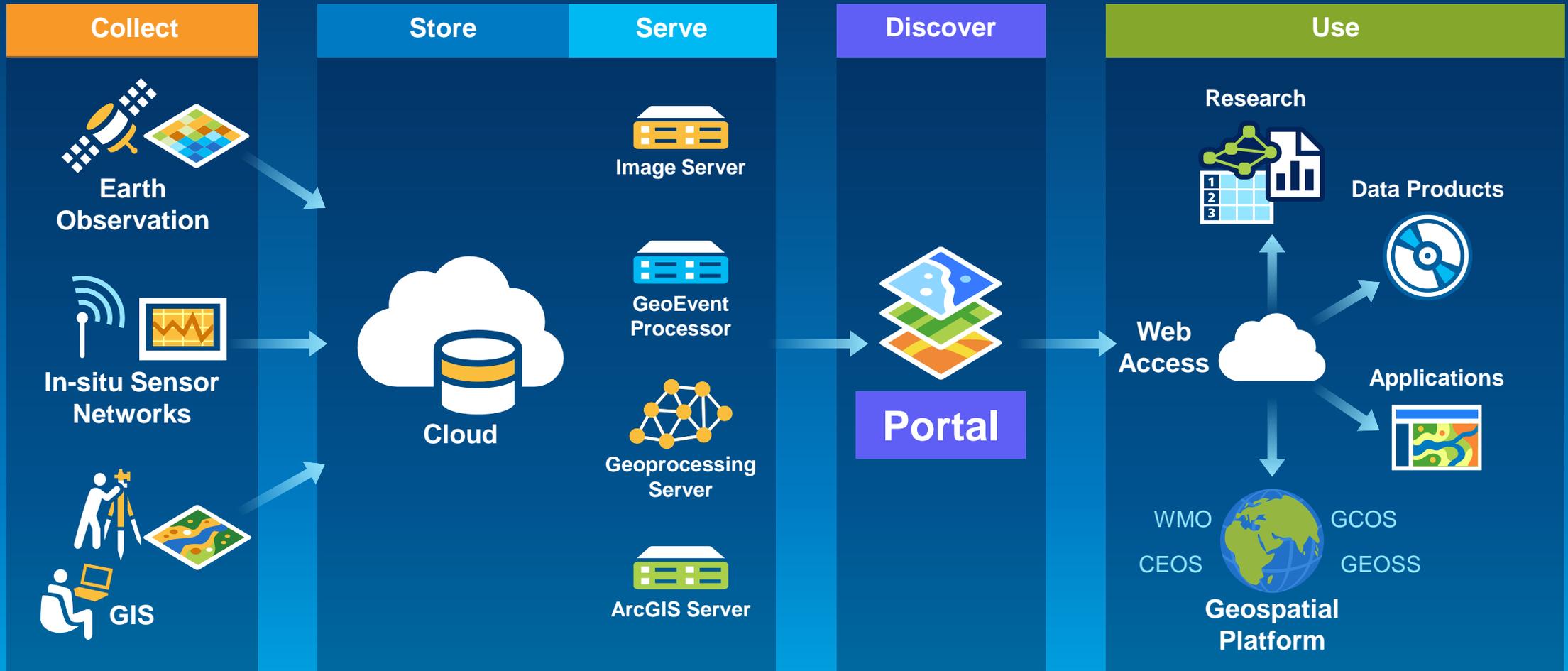


Committment

ArcGIS Platform supporting UNGGIM



ArcGIS Platform Support Standards across the Work Flow





IT Integration



Planning



Social Media



Risk



Workforce Management



Education



Operations



Business Continuity



Healthcare



Fraud Prevention



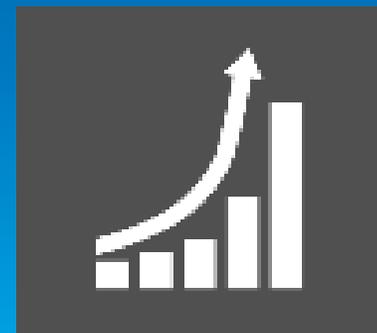
Compliance



Business

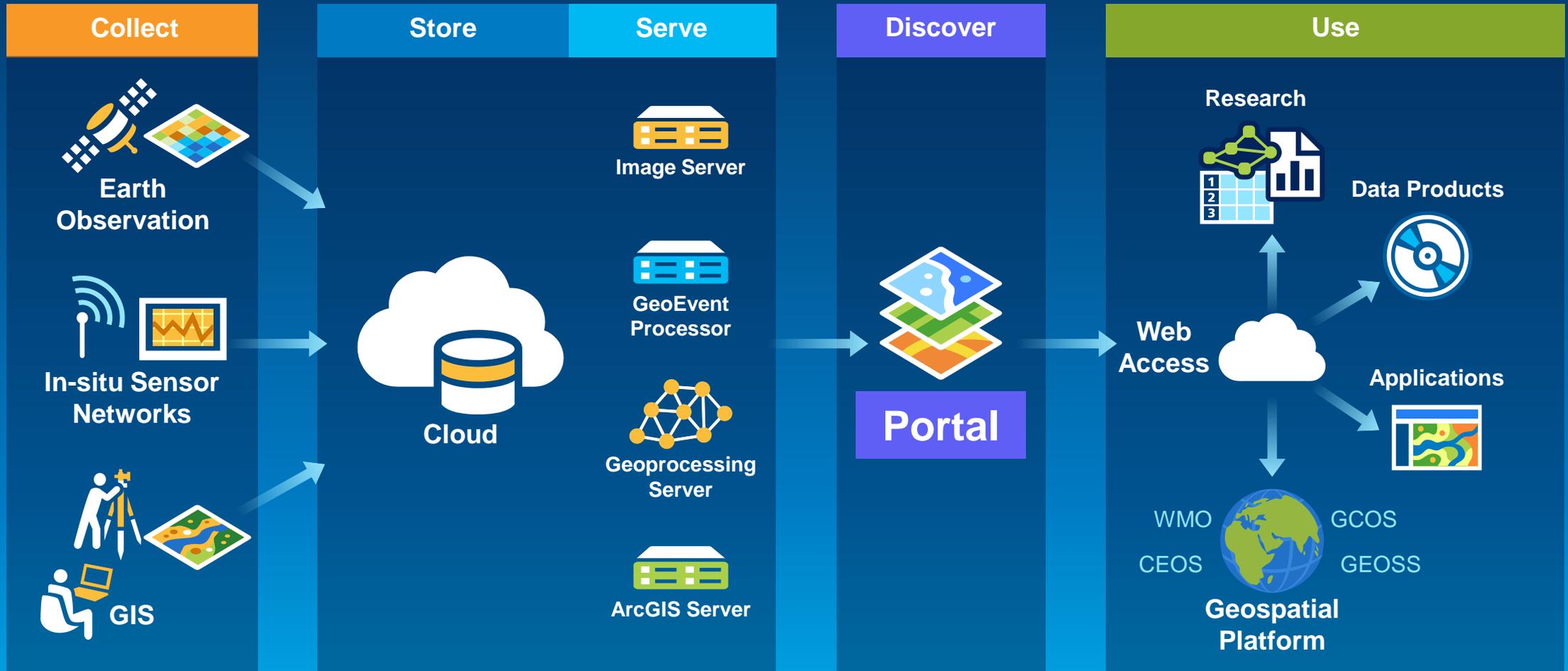


Consumer

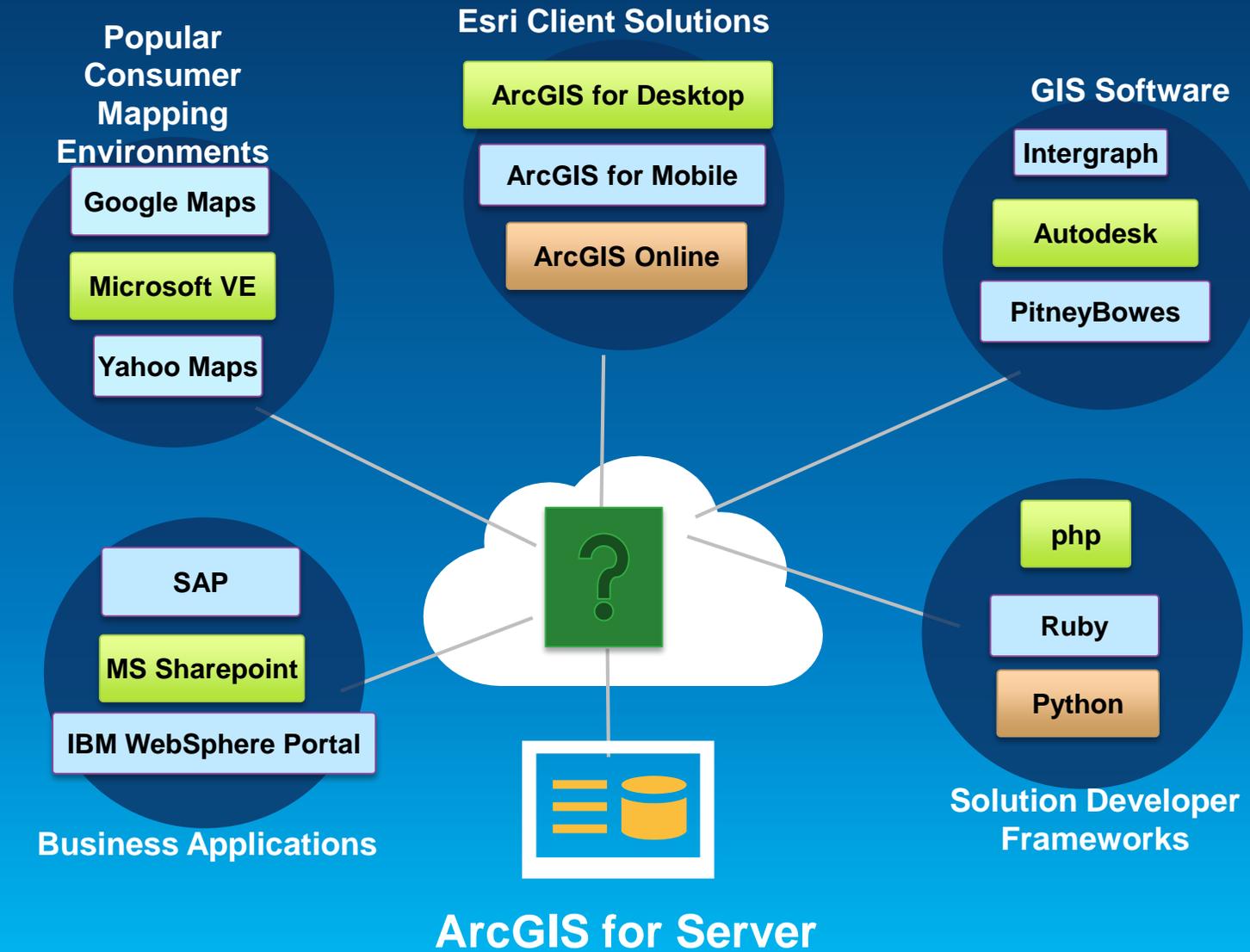


Inventory Management

ArcGIS Platform Support Standards across the Work Flow



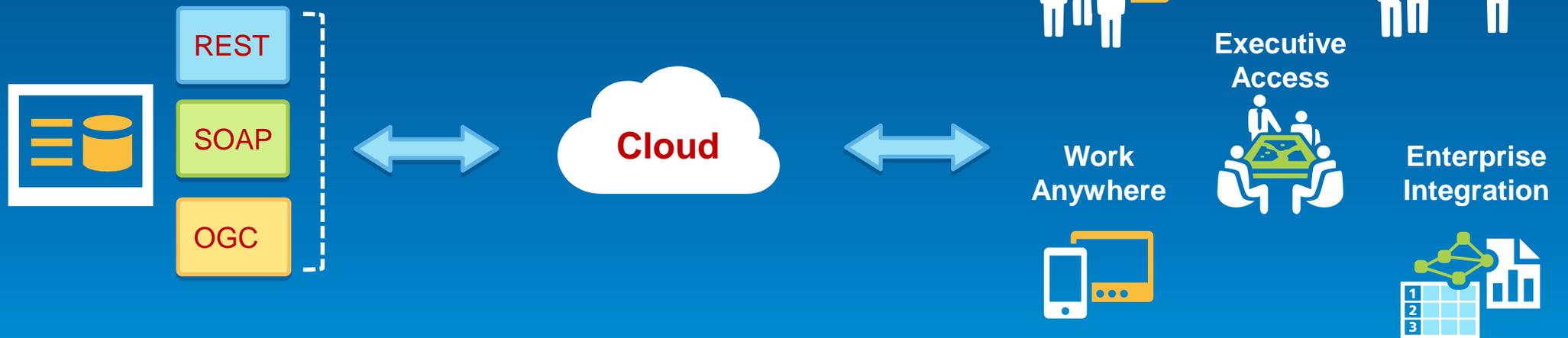
ArcGIS - Building open and interoperable Systems



ArcGIS - Building open and interoperable systems

Supporting Multiple Protocols

- Representational State Transfer (REST)
- Simple Object Access Protocol (SOAP)
- Open Geospatial Consortium (OGC)



Catering to Multiple Communities:

- Spatial Data Infrastructures (SDI)
- Enterprise Architectures (EA)
- Mashups (Web 2.0)

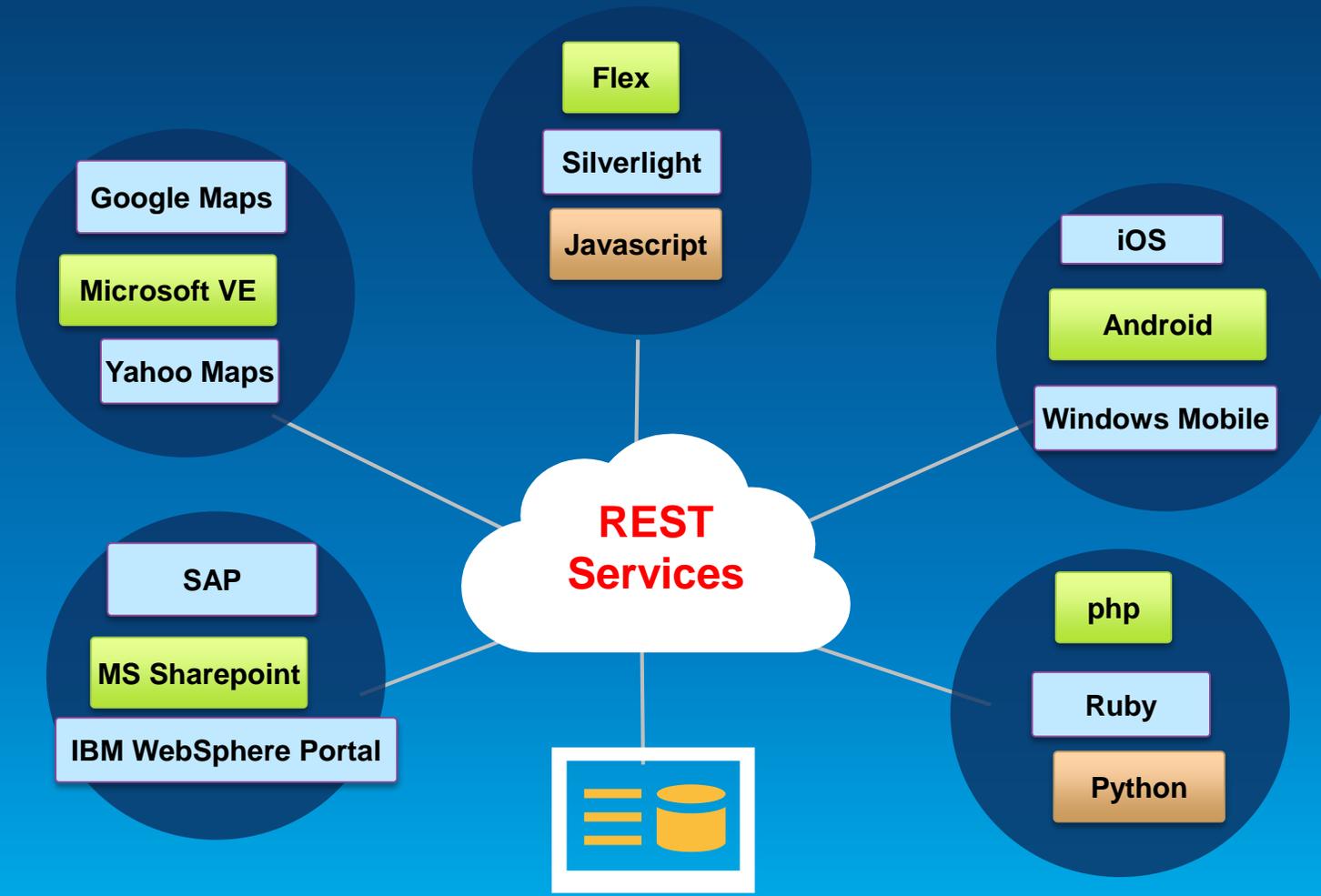
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Solution

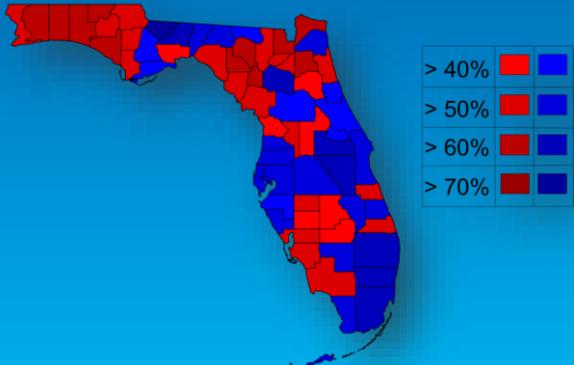
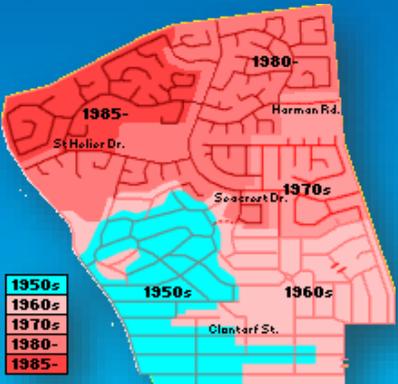
Build interoperable Web services across platforms, applications, and programming languages

ArcGIS - Building open and interoperable Systems

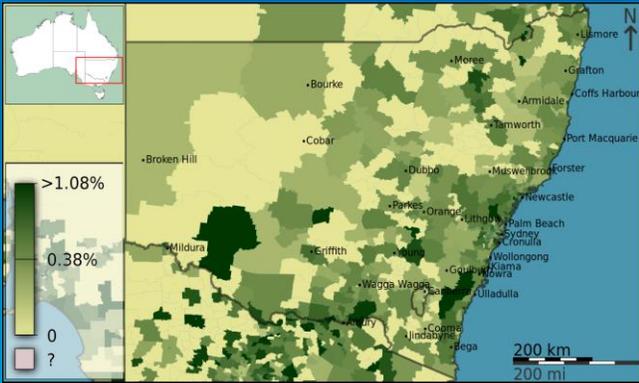


ArcGIS for Server

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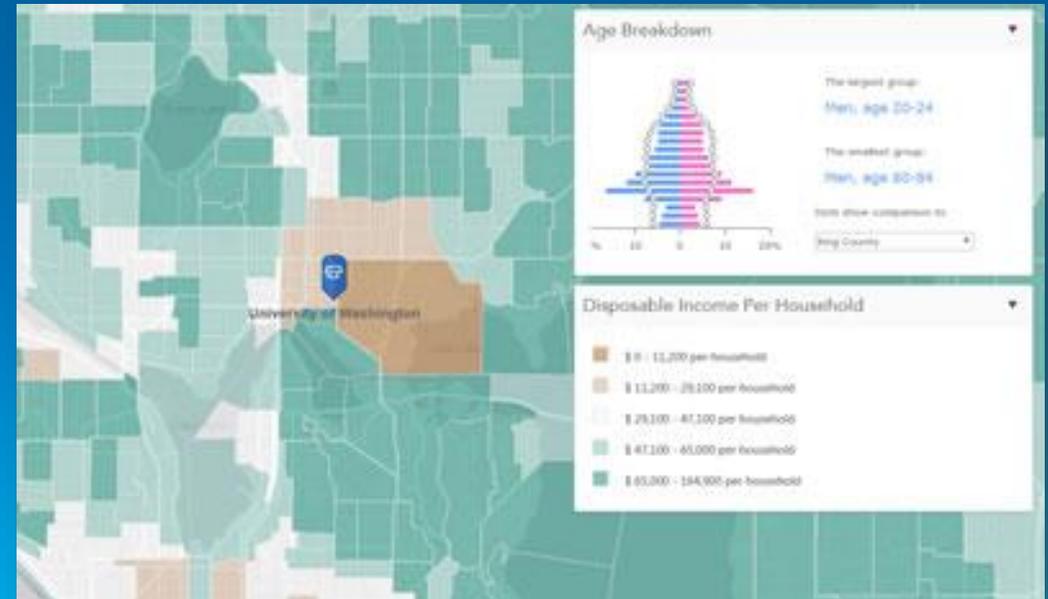


Integration- cartographic and statistical information critical for both public and private sectors



Statistical analysis of geospatial information | relevance of SDI's and international standards

- Standards are important to integration of spatial data and statistical data – and critical to our common success
- Esri supports standards
- ArcGIS is open and interoperable





Understanding our world.