Government Collaboration and Public Distribution with Spatial Data Infrastructure

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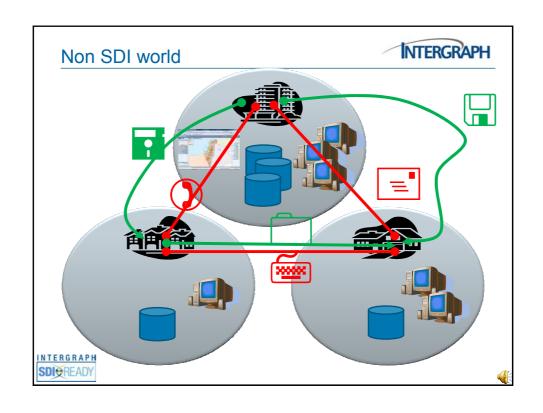


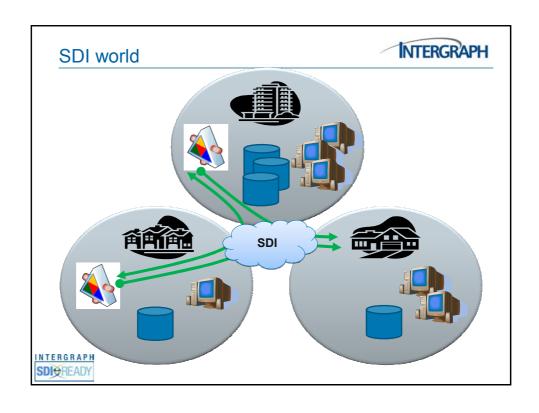


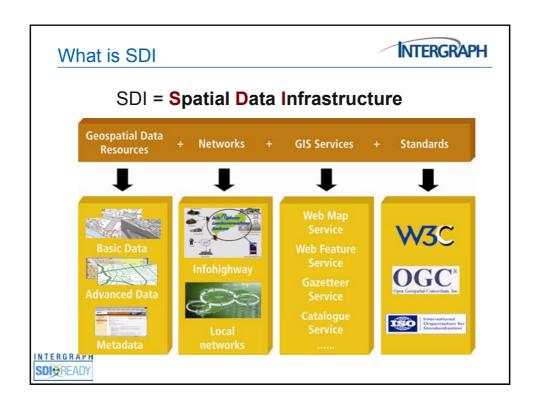
Factors driving SDI

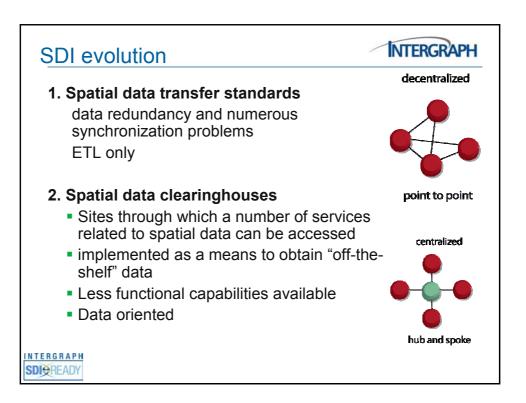


- Explosion of geospatial data: amount of data managed by corporations is growing (along with refinements in digitizing processes)
- Maturity of geospatial technology (standards in place)
- Demand for instant access to any available geospatial sources in a situational context of a user.
- Interconnecting information silos in government, in corporations in any organization or community









SDI evolution



3. Spatial data infrastructures

- "technologies, policies, and people necessary to promote sharing of geospatial data through all levels of government, the private and non-profit sectors, and the academic community"
- autonomous & federated
- Provide standardized access to different geodata providers through service oriented architecture
- Requires a registry or catalog of available services and Metadata

service bus

SDI READY

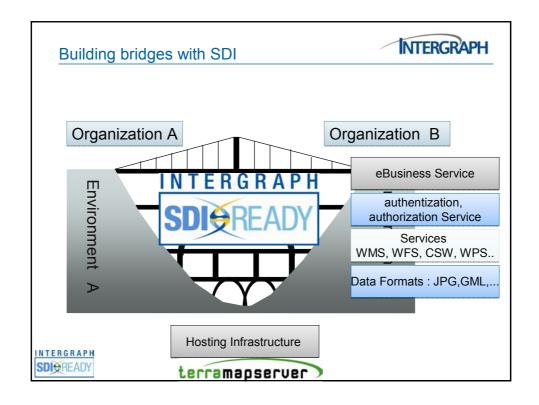
SDI evolution

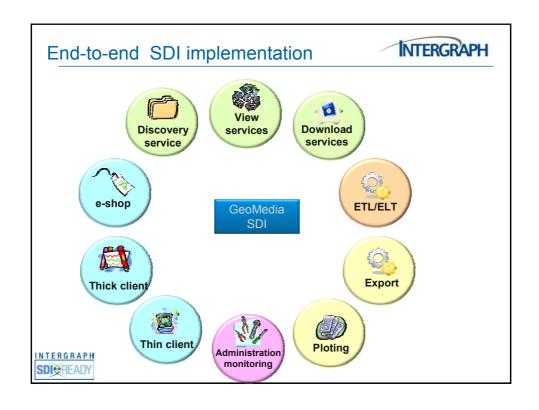


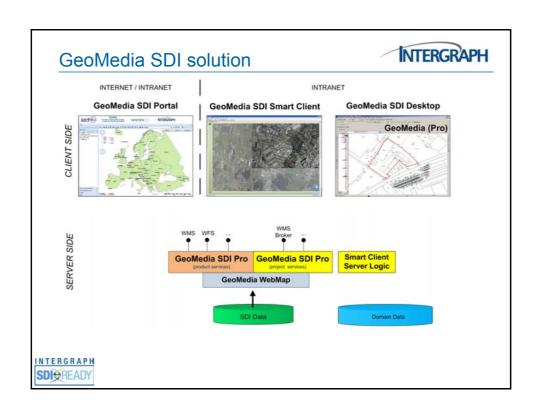
4. Geoportals

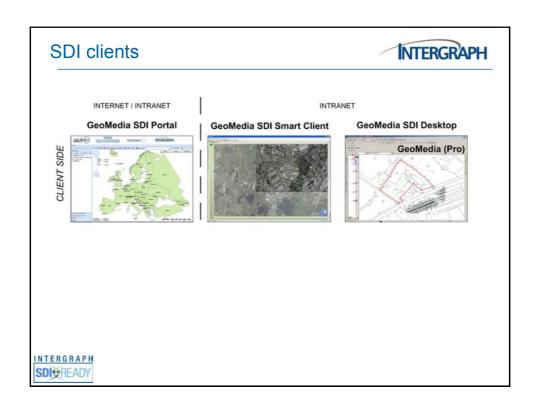
- SDI frontend
- Web site that presents an entry point to geographic content on the Web
- focus on user and user epxerinece
- Includes tools for discovery of information sources and content and online access to Web-based services

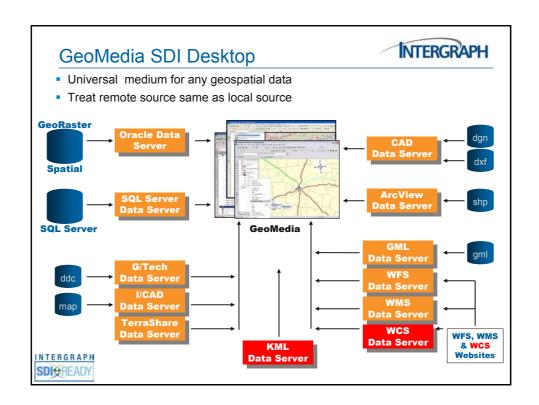
INSPIRE= the European way of SDI Bringing data and services together through a Spatial Data Infrastructure Data remain with the organizations that collect them and maintain them Easy to discover and access data and services for users Adopting common standards and protocols Publish-Find-Bind pattern

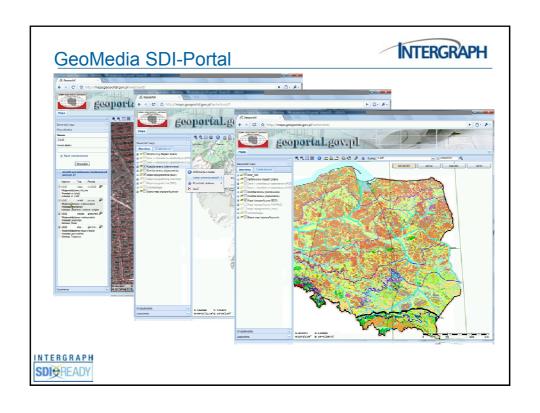


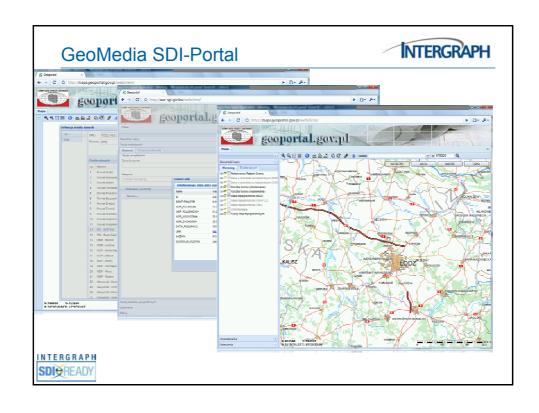


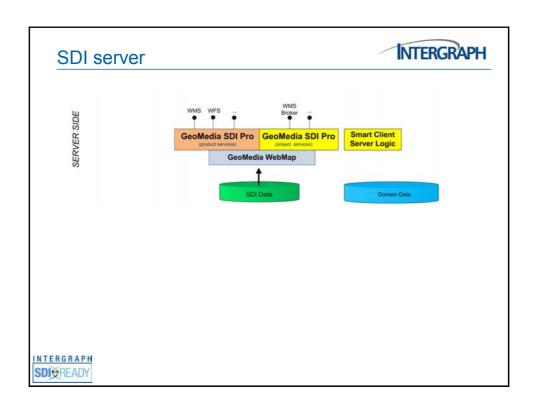












GeoMedia WebMap



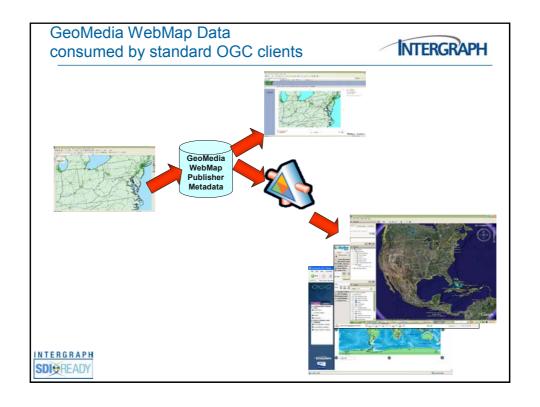
WORLD WIDE WEB

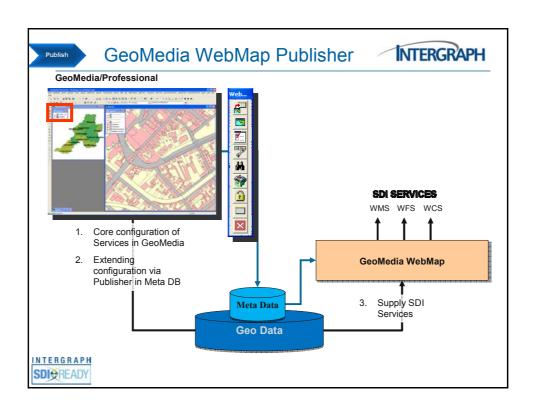
Create and configure "out of the box" web services with WebMap Publisher

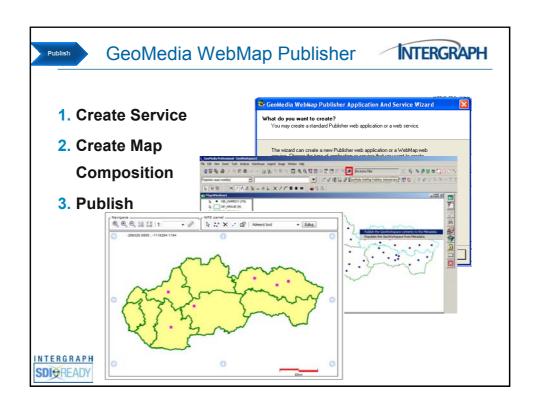
- Generate Map (WMS)
- Manipulate Feature (WFS)
- Catalogue (CSW)
- Address Geocoding (OpenLS)
 - and Reverse Geocoding
- Generate Route (OpenLS) (Pro only)
- Coverage (WCS)
- KML publish and data server
- WCS (coverage) data server

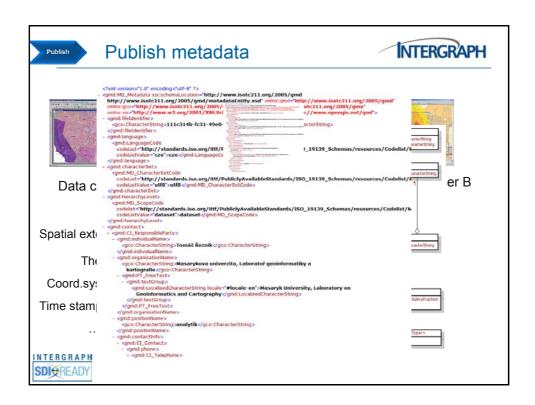


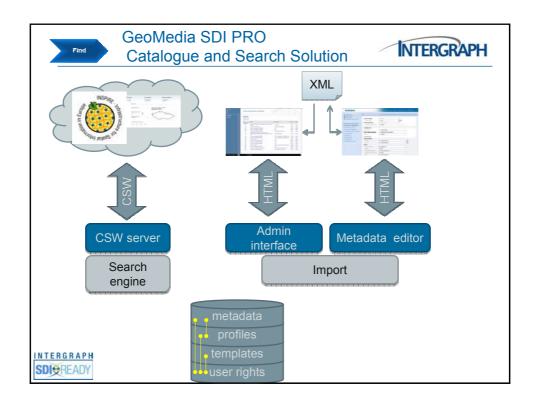


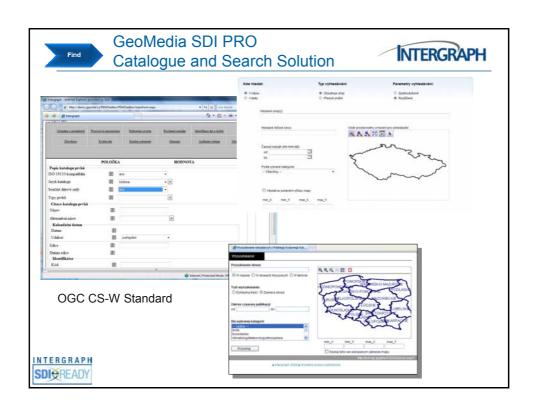






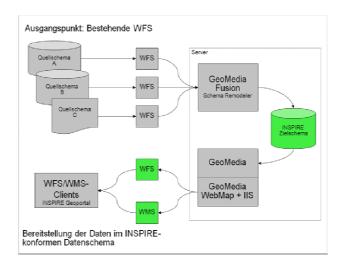






GeoMedia Fusion Data harmonization





SDI READY

Resons of GeoMedia SDI success



- People: competence and dedication. Market, industry and technology knowledge
- Solutions: One size doesn't fit all. Products plus projects
- Standards: committed to industry standards and openess
- Innovation : distributed geospatial warehousing
- End-to-End: Intergraph is the only global geospatial software company providing professional services as part of its business model <u>locally</u>





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Thank You



