



Filling The Gaps

OGC



- What standards are being implemented?
 - Simple Features, WMS, SLD, FE, CS-W, WFS, WCS
- Who is implementing them?
 - EU, Canada, Australia, Germany, Spain, UK, US, many others
 - FAO (UN)
 - INSPIRE (EU), The National Map / GOS (US), Canada GDI / National Forest Information System (Canada)
- Where is there consensus?
 - Integration into Information Communication Technology (ICT)
 - Open, consensus processes are in: proprietary is out
 - Like power grids, cars, and tires, proprietary was necessary to get the industry started, but growth and penetration into all of the places 'geospatial' is important depends on standardization



- **New Standards**

- Services: Metadata, architectures, functions
 - Data is the fuel, but like a car, it needs a highway (architecture) and reason (service) to be valuable

- **Challenges**

- Human inertia – that way worked last time, so we do it again
- Contracting done by projects and managers do not like to be reliant on some other work – uncertainty costs more
- NGOs work by project, often using funding from different nations
- Geospatial Semantic Web
 - Automated understanding of meaning
- Digital Geographic Rights Management
 - Control of intellectual property rights
 - Use limitations and restrictions