

Model driven architecture, WFS and WFS-T at the Norwegian Mapping Authority

Jornadas SIG Libre - Girona 1 - 2 Junio 2017

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National responsibilities

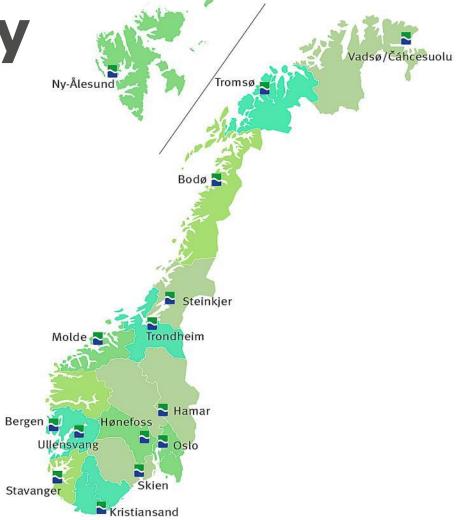
- Responsibility for National cartography
- Responsibility for Cadastral registration
- Responsibility for Property information
- Responsibility for Navigational Charts
- Reports to the Ministry of Local Government and Modernisation
- Established in 1773





The Norwegian Mapping Authority

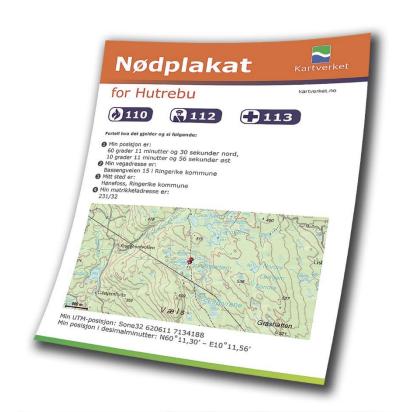
- 15 national locations
- 850 staff





For the Benefit of Society

- Security and preparedness on land and at sea
- Improved vehicle navigation
- Ensure property rights and a well-functioning property market
- Improved public planning





Main Tasks





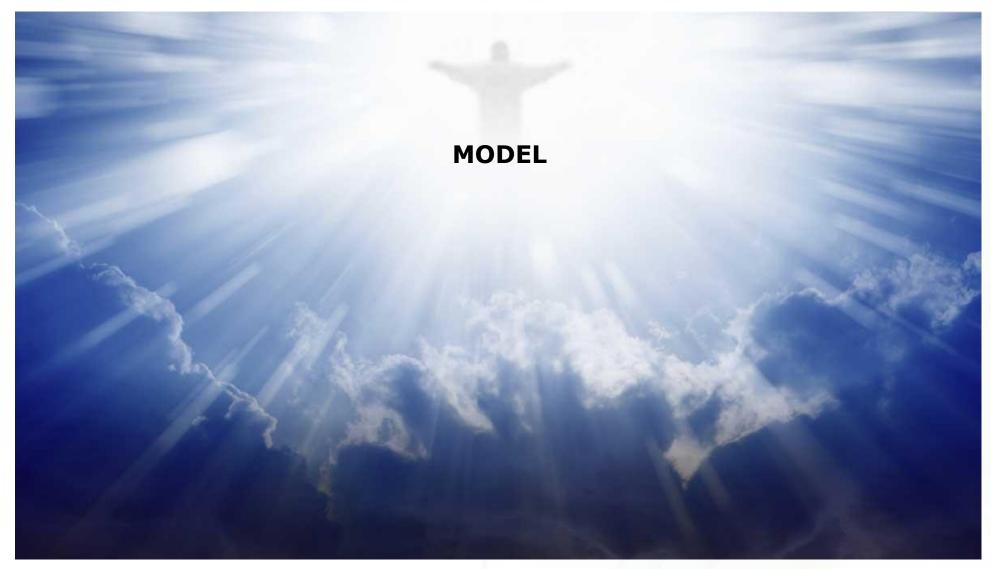
Model Driven Architecture

- Separate design and implementation
- Defines system functionality using a <u>platform-independent</u> <u>model</u> (PIM)
- PIM as a central point





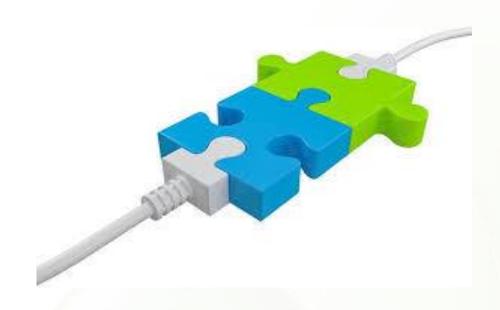
Model as a Central Point





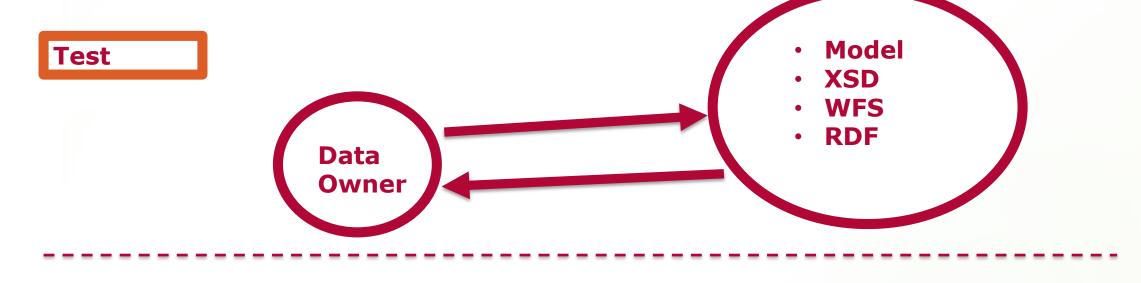
From the model to...

- XSD
- DB
- WFS
- WMS
- RDF

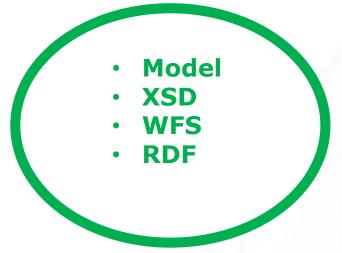




Test and Prod

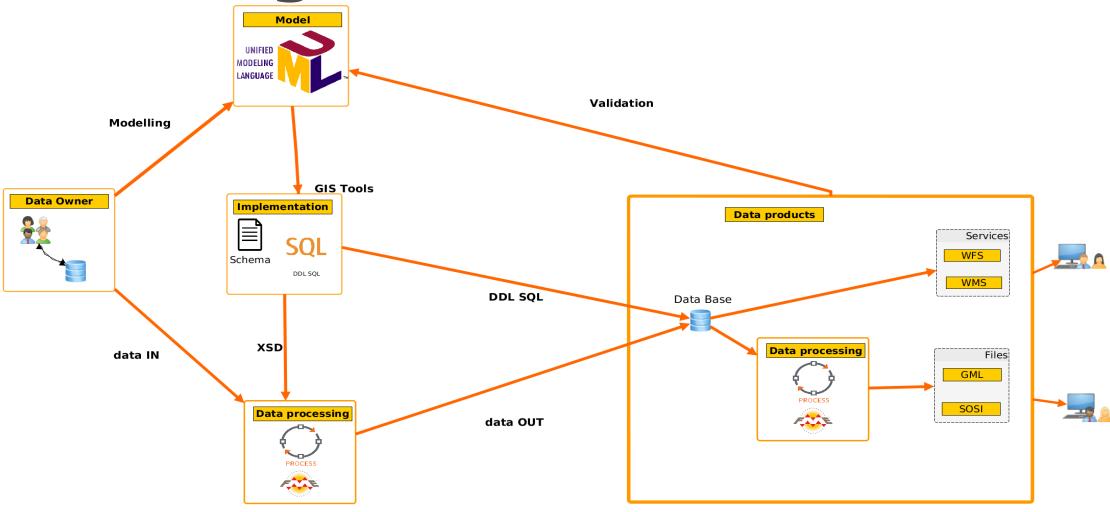


Prod



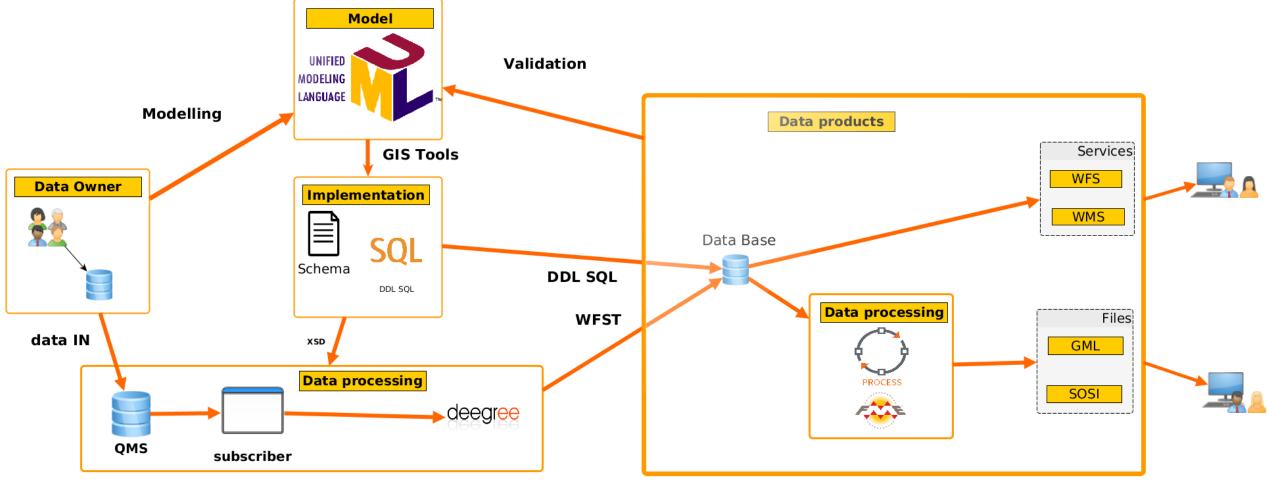


Model Driven Architecture in Geonorge



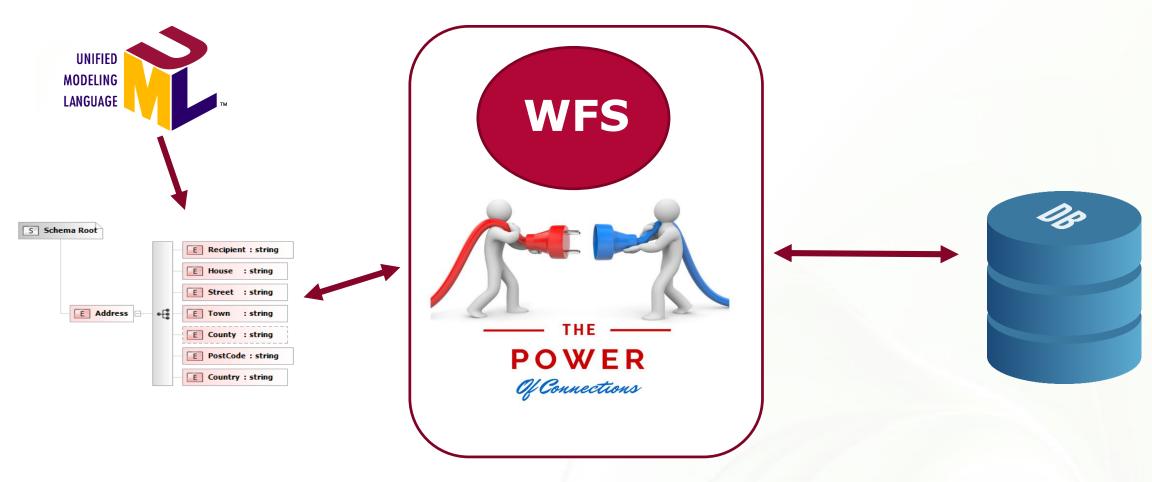


Model Driven Architecture in GEO Synchronization





Mapping file XSD - DB





GIS TOOLS

Modeling - Extensions

Shape Change

GIS Tools

