



POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJŠANJE
TVEGANJ IN
POSLEDIC POPLAV



Norway Digital

Workshop on spatial data infrastructure , Ljubljana 5.2.2014

Tore Haye, Norwegian Mapping Authority

Norway Digital

- the national geographical infrastructure



POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJSANJE
TVEGANJ IN
POSLEDIC POPLAV



- From isolated solutions to a national management concept
- More coordinated digital services across sectors and levels of administration
- Better exploitation of common basic data
- Cost-efficiency in public sector



Norway Digital

- the national geographical infrastructure



POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJSANJE
TVEGANJ IN
POSLEDIC POPLAV



- The Norway digital collaboration started in 2005
- More than 600 partners of Norwegian public authorities:
 - National (45)
 - Municipalities (428)
 - Counties (18)
 - Electricity companies (123)
 - Sami Parliament, the Finnmark Estate (2)
- This initiative enhances the availability and use of quality geographic information
- NMA provides delivery services to non-partners

Service based infrastructure

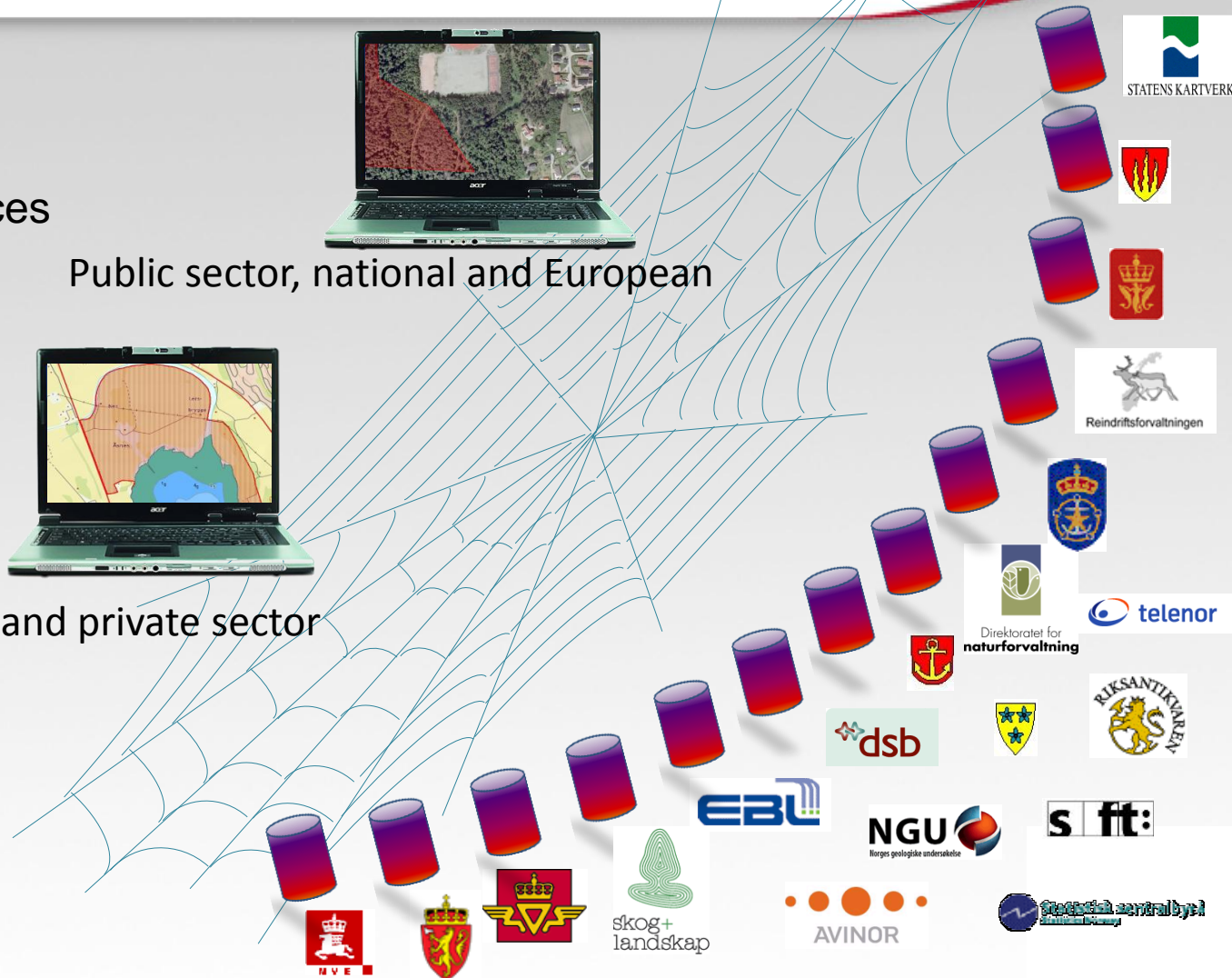
- metadata
- view services
- download services

Public sector, national and European

Citizens and private sector



POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJSANJE
TVEGANJ IN
POSLEDIC POPLAV



The clue – pick some main partners – close cooperation



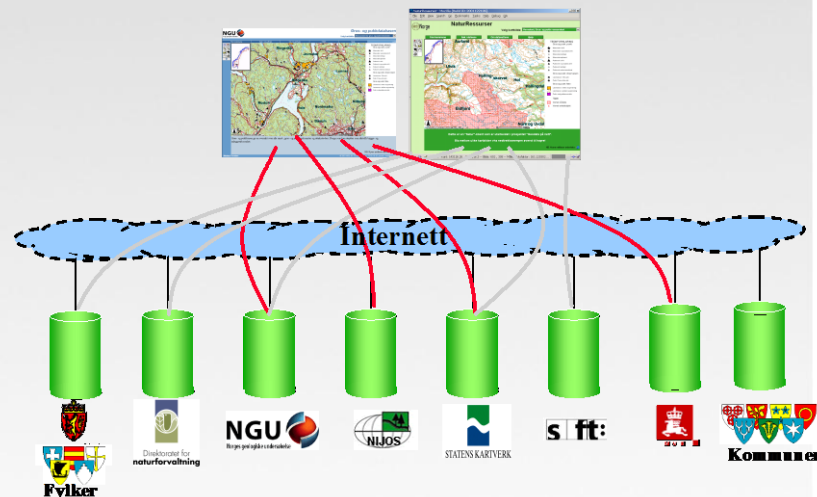
POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJŠANJE
TVEGANJ IN
POSLEDIC POPLAV



- Directorate for Nature Management
- **The Geological Survey of Norway**
- The Norwegian Water Resources and Energy Directorate
- **The Norwegian Forest and Landscape Institute**
- The Directorate for Cultural Heritage
- The Norwegian Pollution Control Authority
- Norwegian Mapping and Cadastre Authority
- Public Roads Administration

also

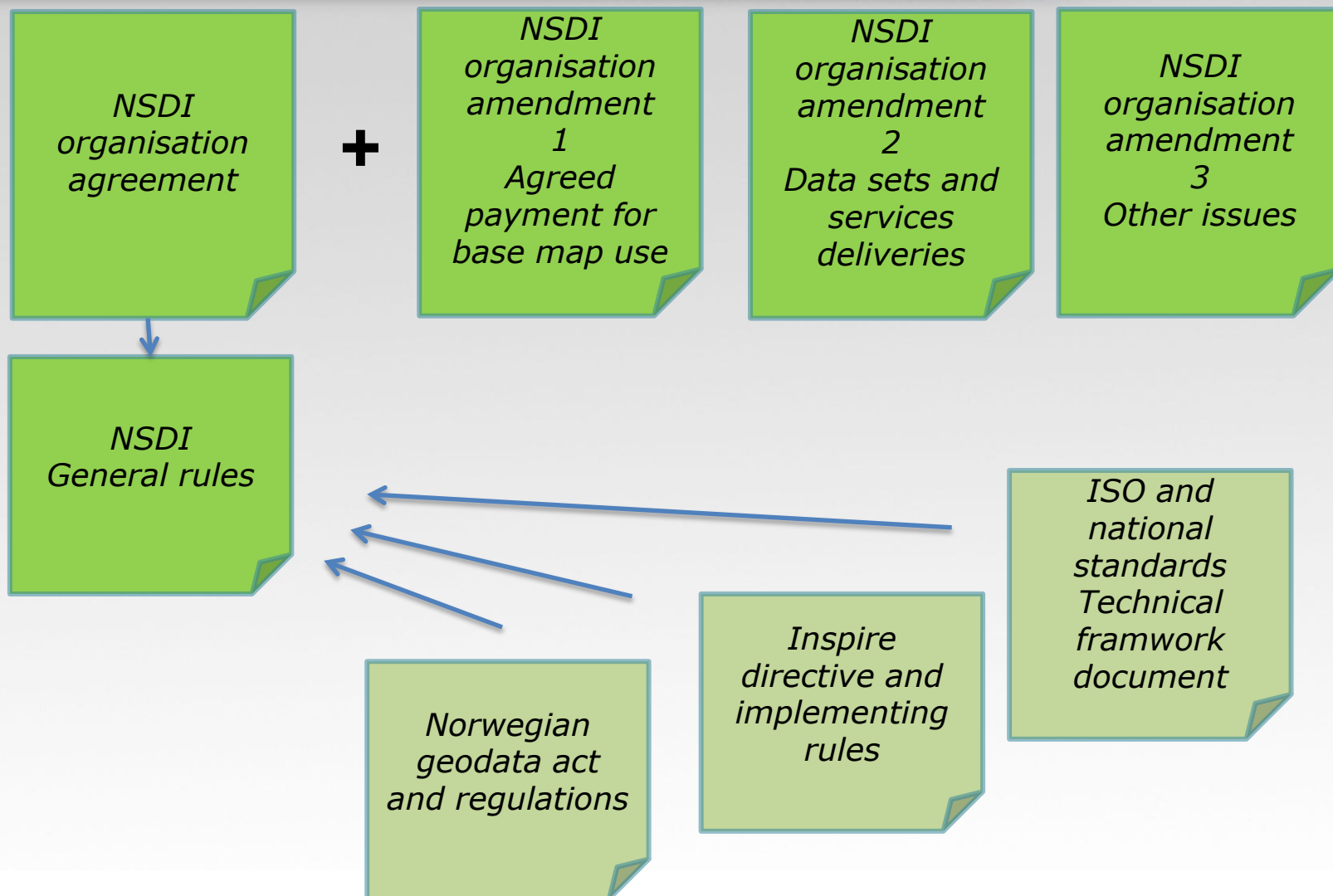
- Statistics Norway
- County authorities
- Local authorities (municipalities)
- ++ many other interested and complying !



Norwegian NSDI agreements with each organisation



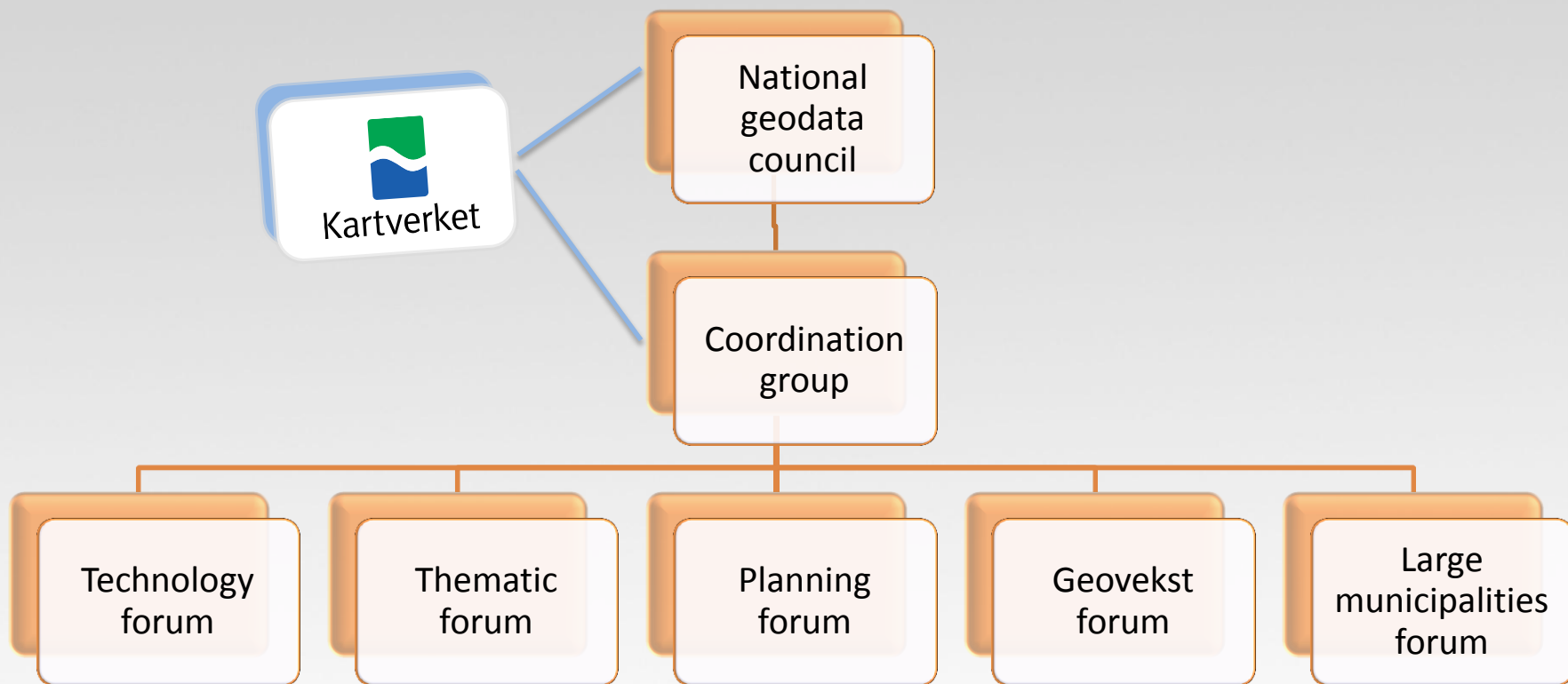
POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJSANJE
TVEGANJ IN
POSLEDIC POPLAV



Governance



POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJŠANJE
TVEGANJ IN
POSLEDIC POPLAV

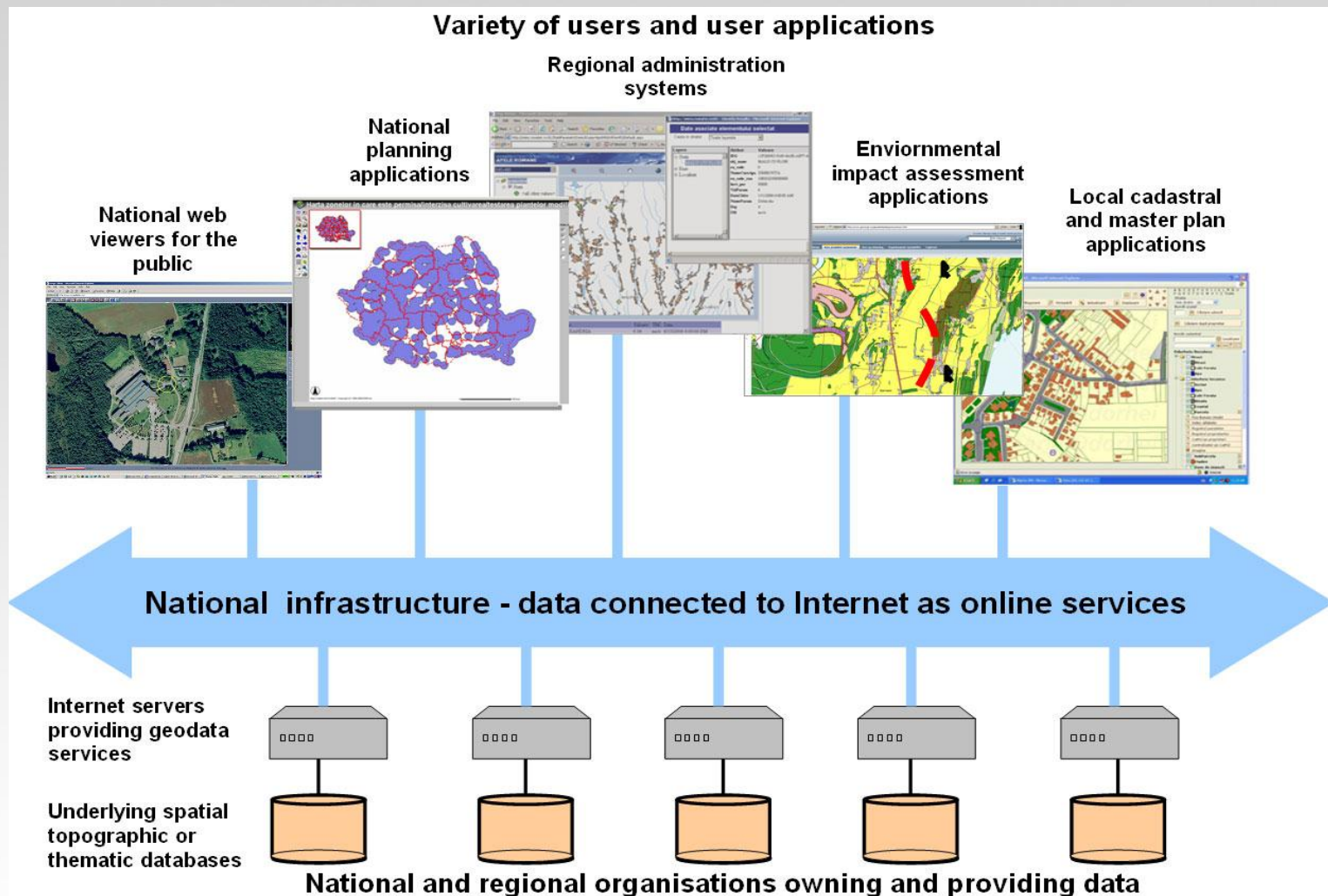




POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJSANJE
TVEGANJ IN
POSLEDIC POPLAV



A system of distributed responsibilities - *offering harmonised services*



Standardisation



POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJSANJE
TVEGANJ IN
POSLEDIC POPLAV



Global



International
Organization for
Standardization



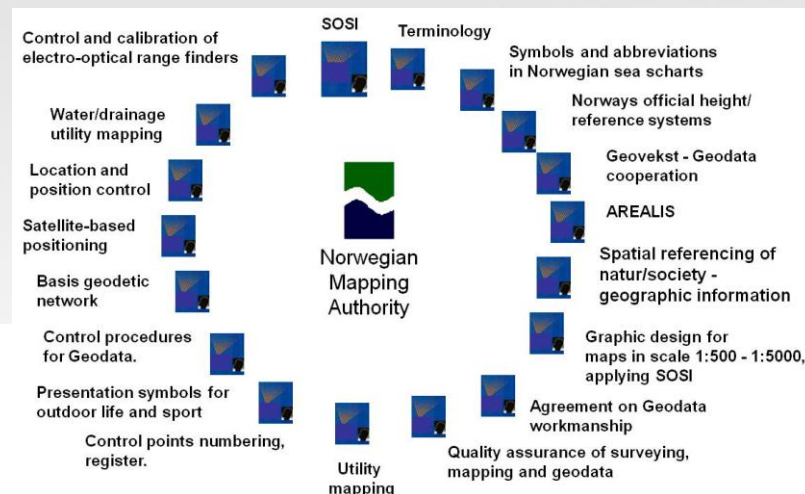
European



National



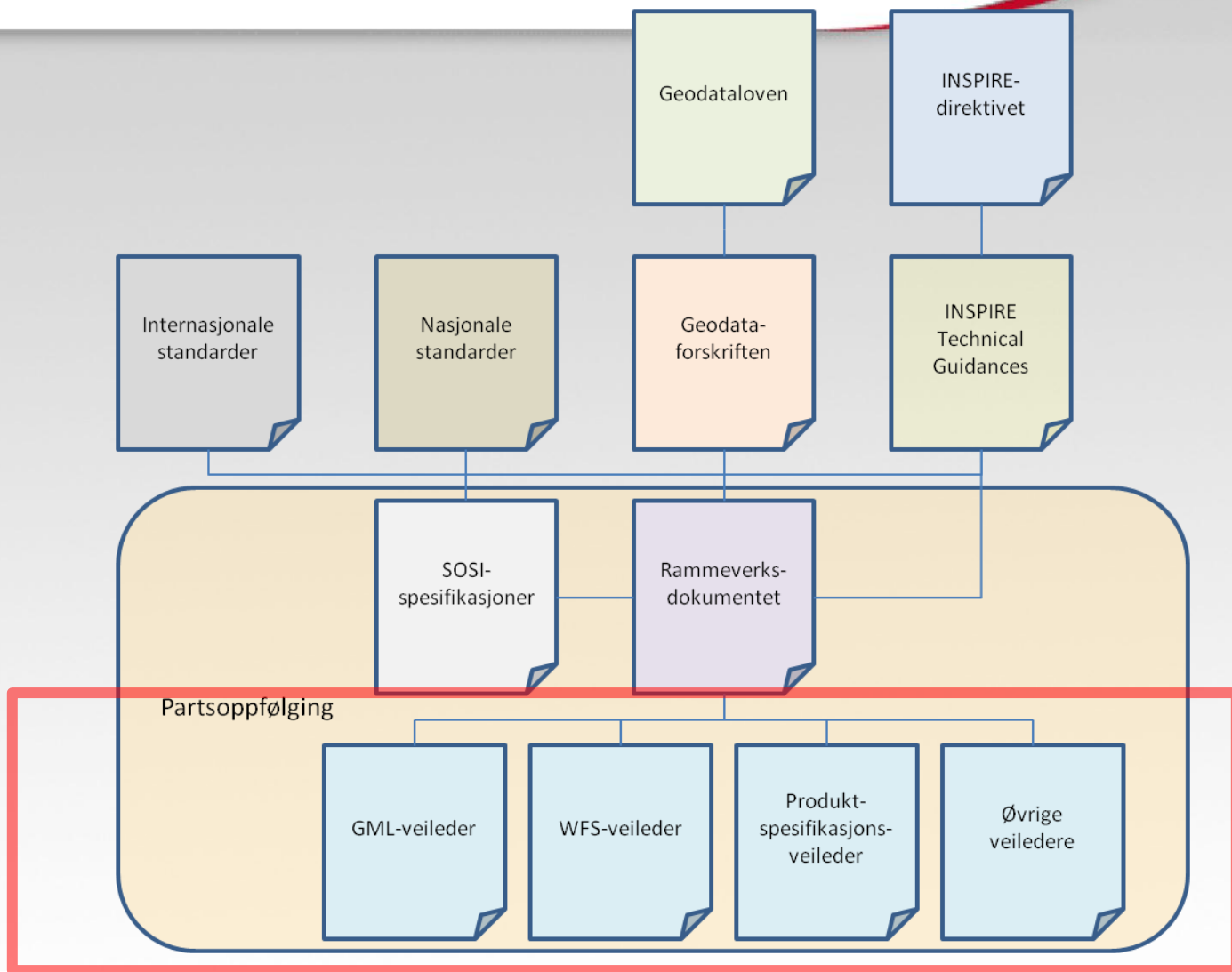
Kartverket



Guidance documents built on Inspire, ISO etc



POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJSANJE
TVEGANJ IN
POSLEDIC POPLAV





POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJŠANJE
TVEGANJ IN
POSLEDIC POPLAV



We hope that we, based on our experience from Norway Digital, can contribute to the project's success