set up a service which integrates data from different sources for disaster management

**Providers Users**
- Administration
- Disaster management entities
- Public
- Administration
- Research institutes
- Companies
- Citizens

**Data**
- Crowd sourced/VGI
- Spatial data
- Copernicus EUMETSAT GI (e.g. flood extent, areas at risk)
- Floods & disaster data (flood maps, flood risk)
- Reference data (Mapping Agencies)
- Airborne images

**Skills**
- INSPIRE experts
- GI experts/developers
- App. domain knowledge (Water management, disaster management)
CROSS-BORDER DATASET - HYDROGRAPHY

• Minimum 2 countries
• Find available data
• Metadata
  - Services + data
  - CRS, scale
• Display in web GIS

TARGET GROUP

WATER POLLUTION EXPERTS

DATA

INSPIRE DATA

THEME: HY

REALTIME DATA

SKILLS

CONCEPTUAL
  - Basic GIS
  - Search engines
  - Basic hydrography
LU/LC ALERT
Rapid LU/LC mapping size: 20x20m.
Trial: 14d / 130d.
- Machine learning
- Medium scale

Compliance Authorities
- Payment / inspections
- Forest management authorities
- Protected site management authorities

Data
- Copernicus Sentinel 1/2 (S1, S2)
- LPIS agriculture parcel classes
- Area frame sampling surveys (LUCAS, TerraS

Other: 3/2 yearly Copernicus Land Service classifications
- Aerial Photography / VHR previous years
- S1/S2 Preprocessing (cloud / catchup etc.)
- GIS / Google Earth armies
- Cloud. (Technical)
- Webmapping, Web services
- Semantic / Modelling expertise
  e.g. (EAGLE)
Using Copernicus Data for Creating 3D Data for Noise Mapping

- Authorities responsible for Noisemapping
- Citizens

Open Railway Map → Gleise
Sentinel 1
Orthophotos NRW
PRORAIL GELUIDSSCHERM Zip Data.Openov.nl
[met deur] Zip
BGT GELUIDSSCHERM www.ADOK.nl

RADAR EXPERT
RAILWAY EXPERT
ETL/GIS/DATA PROCESSING EXPERT
DEVELOPER

Alexandra
Antje
Thore
Michael
Waste detection in marine protected areas

- **PUBLIC**
  - Divers
  - Ship captains
  - Fishermen
  - Sailors
  - Tourists
  - Municipalities
  - Environmental agencies
  - Cleaning Athens

- **AUTHORITIES**
  - NGOs
  - Protected sites management
  - Volunteers

- **DATA**
  - Inspire
  - Crowdsourcing
  - Copernicus
  - Marine services
  - In situ emergency
  - Real-time meteorological data
  - Other...

- **SKILLS**
  - Developer [web app, mobile app]
  - Database expert
  - Marine modelling fanatic
  - Environmental enthusiastic