

IDEA



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

TARGET GROUP



PROVIDERS

Administration
 disaster management entities
 public
 administration
 research institutes
 companies
 citizens

DATA



crowd sourced/VGI — Fotos
 Copernicus EMS GI — Spatial data
 (e.g. flood extent, areas @ risk)
 Floods directive data (flood maps, flood risk maps)
 Reference data (Mapping Agencies)
 airborne images

SKILLS



INSPIRE experts
 GI experts/developer
 app. domain knowledge (Water management, disaster management)

CROSS-BORDER DATASET - HYDROGRAPHY

IDEA



- MINIMUM 2 COUNTRIES
- FIND AVAILABLE DATA
- METADATA
 - SERVICES + DATA
 - CRS, SCALE
- DISPLAY IN WEB GIS

TARGET GROUP



WATER POLLUTION EXPERTS

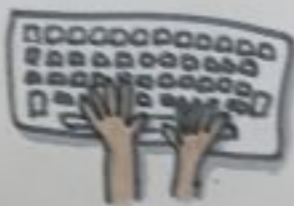
DATA



INSPIRE DATA
REALTIME DATA

THEME: HY

SKILLS



CONCEPTUAL
BASIC GIS
SEARCH ENGINES
BASIC HYDROGRAPHY

IDEA



LU/LC ALERT

RAPID LU/LC mapping SR: 20x20m.
TR: 14d / 30d.

- Machine learning - Medium Scale

TARGET GROUP



COMPLIANCE Authorities

- Payment / inspections
- Forest management authorities
- Protected Site management authorities

DATA



- Copernicus Sentinel 1 / 2 (S1, S2)
- LPIS agriculture parcels classes
- Area frame sampling surveys (LUCAS / TERUT
.....)
- Other: 3/2 Yearly Copernicus Land Service classifications
- Aerial Photography / VHR previous years

SKILLS



- S1/S2 Preprocessing (cloud / callup etc.)
- GIS / Google Earth engine.
- Cloud. (Technical). [Webmapping
webservice.]
- Semantics / Modelling expertise
e.g. (EAGLE)

IDEA



Using Copernicus-Data for creating 3-D-Data for Noise-Mapping

TARGET GROUP



- Authorities responsible for Noisemapping
- Citizens

DATA



Open Railway Map → Gleise

Sentinel 1

open-data.nrw

Orthophotos NRW

PRO RAIL GELUIDSSCHERM. ZIP DATA.OPENOV.NL
[MET DEUR] .ZIP

BGT GELUIDSSCHERF7 WWW.ADOK.NL

SKILLS



RADAR EXPERT

RAILWAY EXPERT

ETL / GIS / DATA PROCESSING EXPERT

DEVELOPER

Alexandra
Antje
Thore
Michael

IDEA



Waste detection in marine protected areas

TARGET GROUP



- PUBLIC
 - DIVERS
 - SHIP CAPTAINS
 - FISHERMEN
 - SAILORS
 - TOURISTS
- AUTHORITIES
 - MUNICIPALITIES
 - CLEANING ATHS
 - ENVIRONMENTAL AGENCIES
- NGO'S
 - PROTECTED SITES MANAGEMENT
 - VOLUNTEERS

DATA



INSPIRE^{PS}_{SR}

FB, TWITTER
CROWDSOURCING
CITIZEN SCIENCE

COPERNICUS^{MARINE SERVICES}
in SITU
EMERGENCY SRV
Real-Time^{METEOROLOGICAL DATA} other^{SPECTROGRAPHICAL DATA}

SKILLS



- DATA ANALYTIC
- DEVELOPER [WEB APP, MOBILE APP]
- DATABASE EXPERT
- MARINE MODELLING FANATIC
- ENVIRONMENTAL ENTHUSIASTIC 😊

GIORGIO SAIO
MARGHERITA SARTA
RICO ILLES
MICHAL MED
ULRIKE