

A Geospatial Information Knowledge Platform for NBS

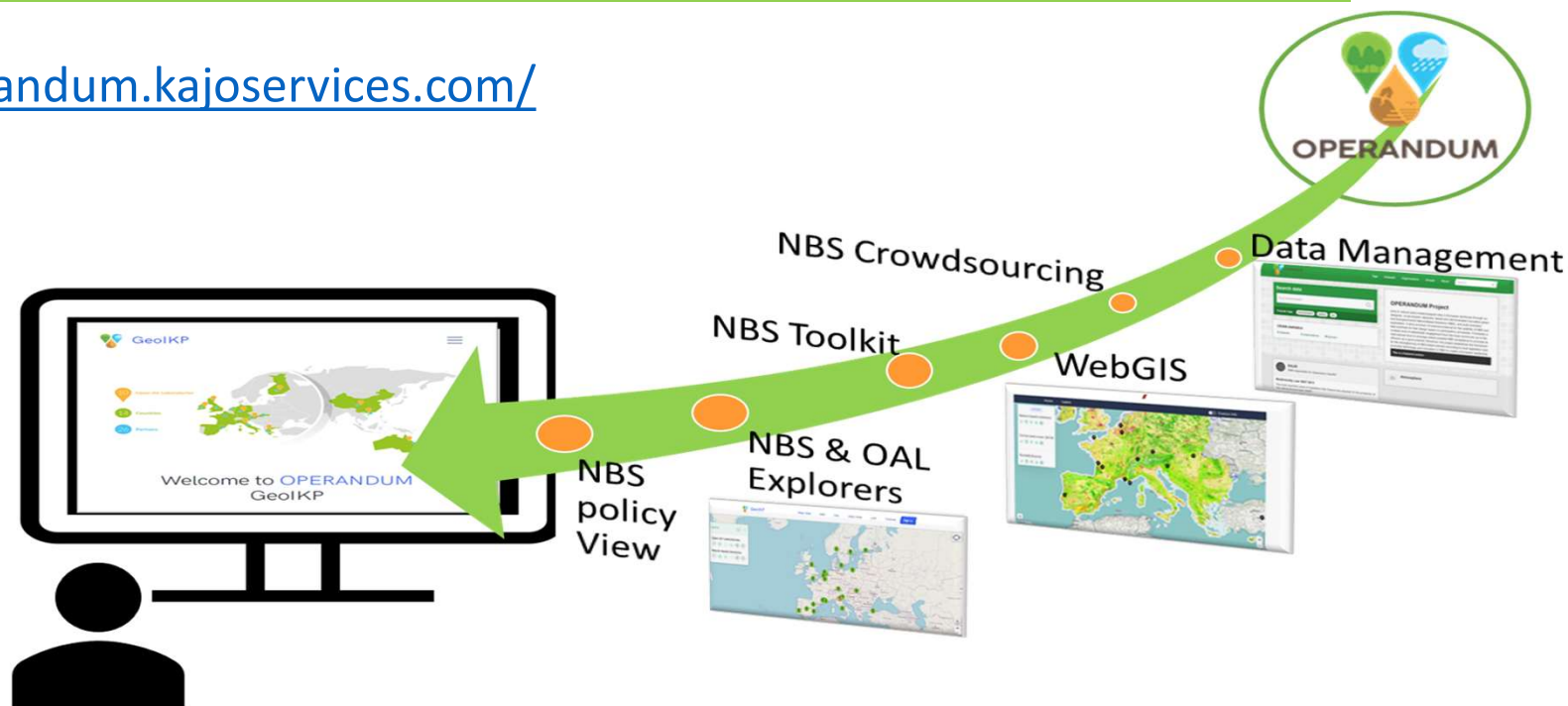
tackling hydro-meteorological hazards: key features and innovative aspects

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GeoIKP (Geospatial Information Knowledge Platform)

<http://operandum.kajoservices.com/>

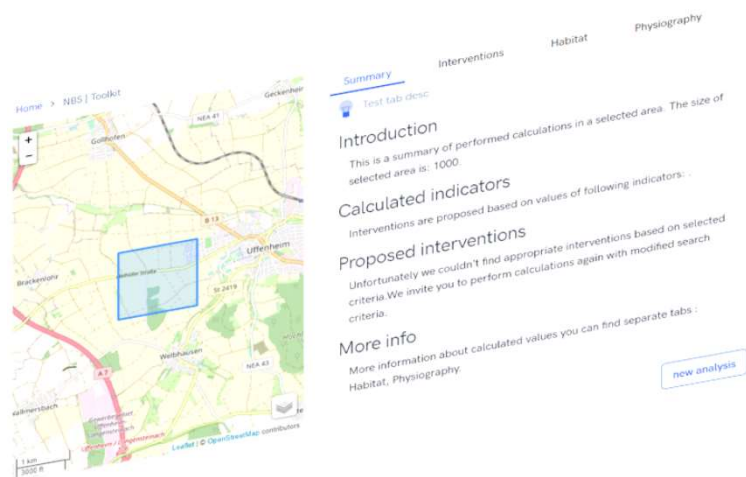


- Display NBS data (**climate model data, impact analysis, monitoring results**)
- Expose a geo-catalogue of existing NBS in Europe
- Data storage ensuring a unique entry point to **harmonized data** for all stages of **NBS life cycle** for the whole Europe
- Serve as a **knowledge-based marketplace**
- Provide a **communication** platform for the different stakeholders/users

Key contents and innovation

OAL Explorer

Through Operandum OALs (Open Air Labs), GeoIKP will provide, for the first time, comprehensive and detailed data describing the entire NBS lifecycle .



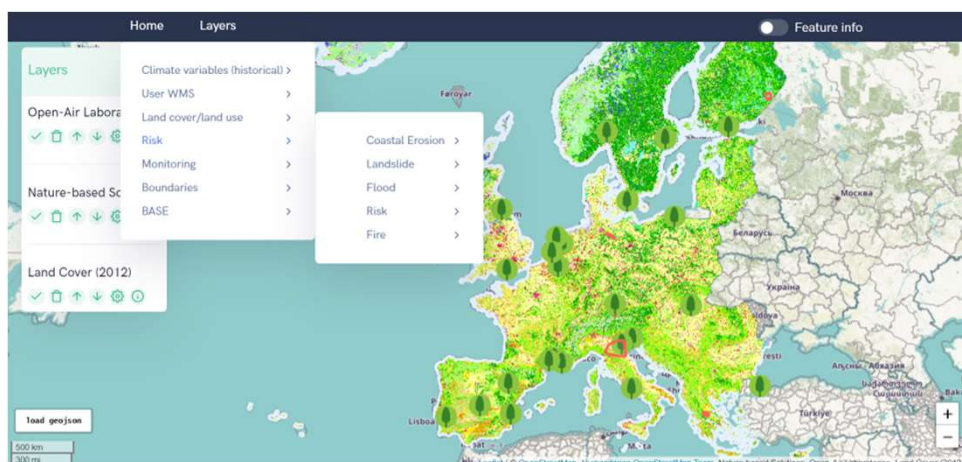
NBS toolkit

User can perform online the preliminary assessment of possible NBS interventions (see [D1925 | EGU2020-21484](#) by J.Ommer et al.)

Key contents and innovation

Data Management Portal

- Matrix of data quality indicators specifically created to assess the adequacy and fitness for use of a dataset for NBS applications.
- All types of information (economic, policy, climate data) stored as NBS centred
- Cutting edge full featured web-gis functionalities combined with heavy duty data management platform (CKAN).
- Metadata are both OGC and INSPIRE compliant
- Fully compatible with semantic web (data/information in machine-readable form and well-structured formats such XML and JSOM)



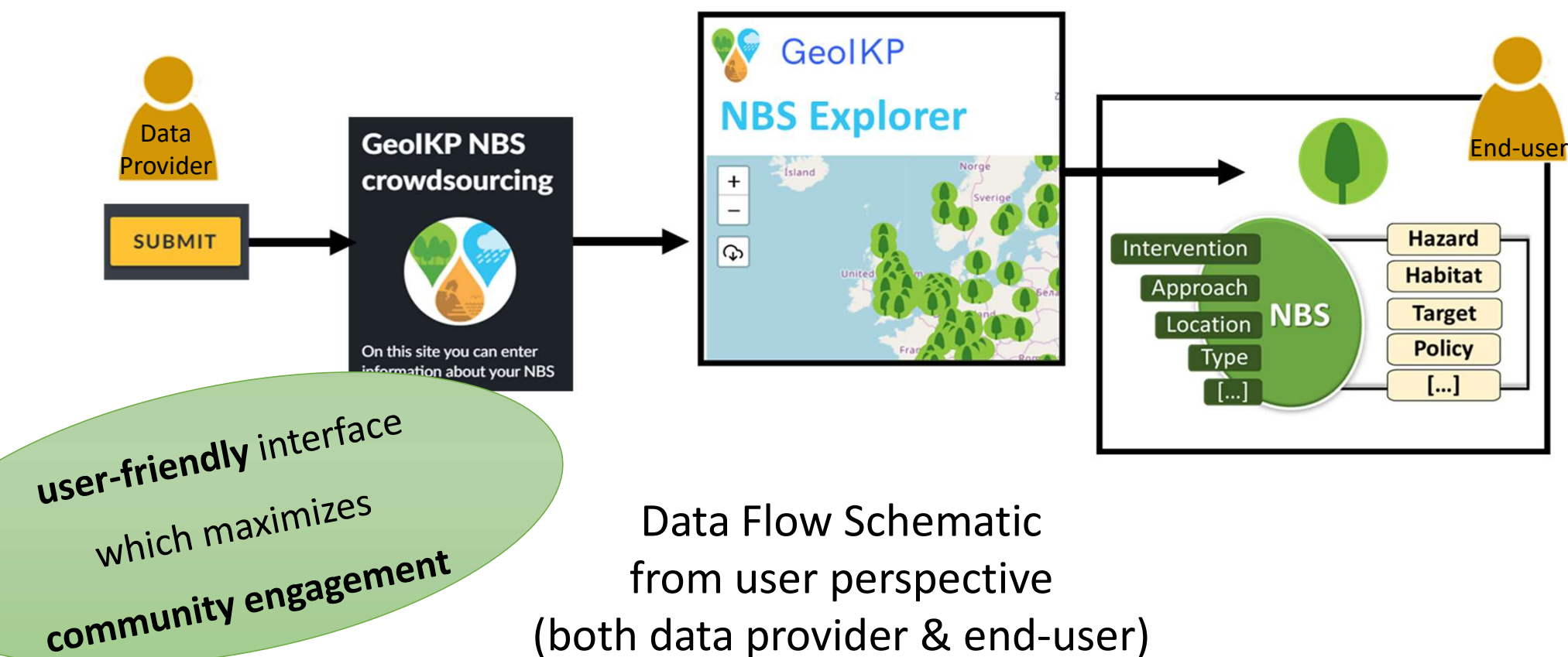
Map View App

- Computation and map visualization of existing and newly developed indicators for NBS assessment over entire EU
- Hazard and risk data at the EU level collected at the JRC are available via GeoIKP to support NBS assessment analysis

Key contents and innovation

NBS Explorer

- A geo-catalogue of existing NBS integrated with a crowdsourcing app
- Comprehensive set of searching & classification criteria





OPERANDUM

OPEn-air laboRAtories for Nature baseD
solUtions to Manage hydro-meteo risks

Thank you!

www.operandum-project.eu