

H2020 Project:

Knowledge Inventory for Hydrogeology Research

"A project on groundwater research inventory and classification to make groundwater visible"









Aims of the project (2015-2017)

To create an inventory of GW knowledge and use the inventory to identify critical research challenges in line with the implementation of the WFD and new innovation areas within integrated water resources management based on the latest research.

EU-harmonised Hydrogeological Research Classification System

Inventory of Groundwater
Information Sources at EU scale
(with EFG members)

European Inventory of Groundwater Research and Innovation (EIGR)

Test and population of the Inventory EIGR by data collection and processing

Research gaps and corresponding suggestions for research agendas in line with WFD

EIGR as a public - access permanent, searchable service on ongoing hydrogeological research









Added values of KINDRA EIGR:



An inventory **exclusively dedicated to groundwater**, unlike other databases



Combining research and knowledge enables and ensures access and relevance for academics, practitioners and policy makers



A classification system dedicated to research, papers, projects, reports, databases, etc.



It is developed BY and FOR hydrogeologists and other "groundwater people", to promote networking and enlarge our community



Harmonized international access to information on national and European research and knowledge before it is finally published



policy support and to increase the visibility and awareness of the importance of groundwater research in the societal challenges









How to classify groundwater research?

Keywords



Research topics

Societal challenges

EU policies

Operational Actions

Other ????









More than 200 main keywords were selected from:

- 1. 20 key groundwater science journals
- 2. Scopus / Web of Science / Google Scholar
- EU policy documents (Water Framework and Groundwater directives, Blueprint to Safeguard Europe's Water Resources)

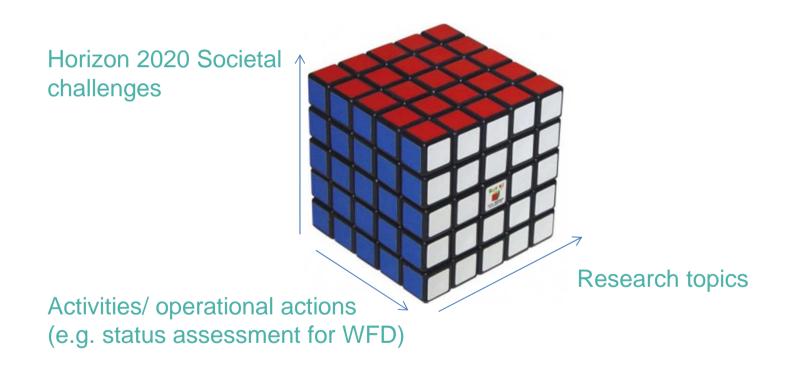








How to classify groundwater research (in Europe)?



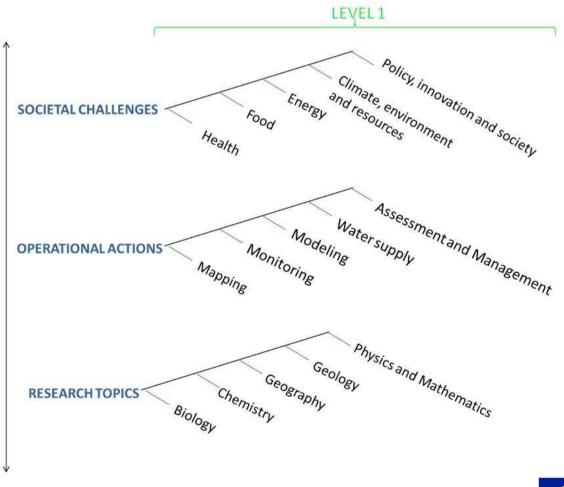








Definition of main categories for groundwater research classification



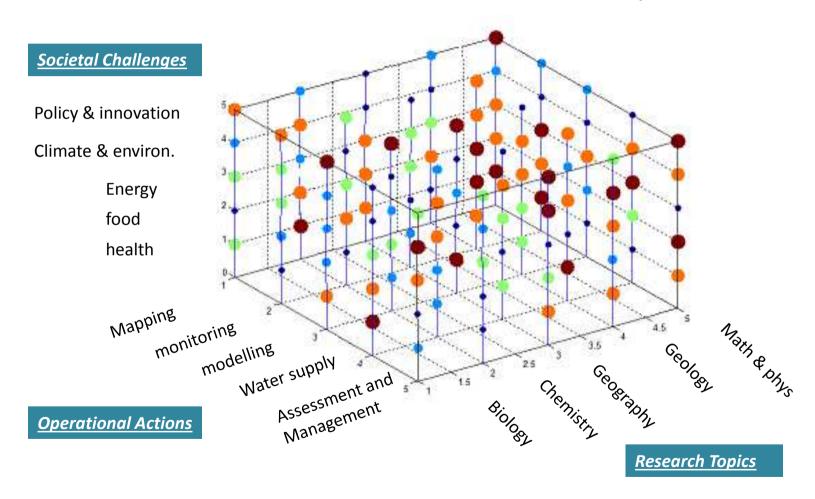








3D conceptual illustration of the Groundwater Research main categories classification and scientific output



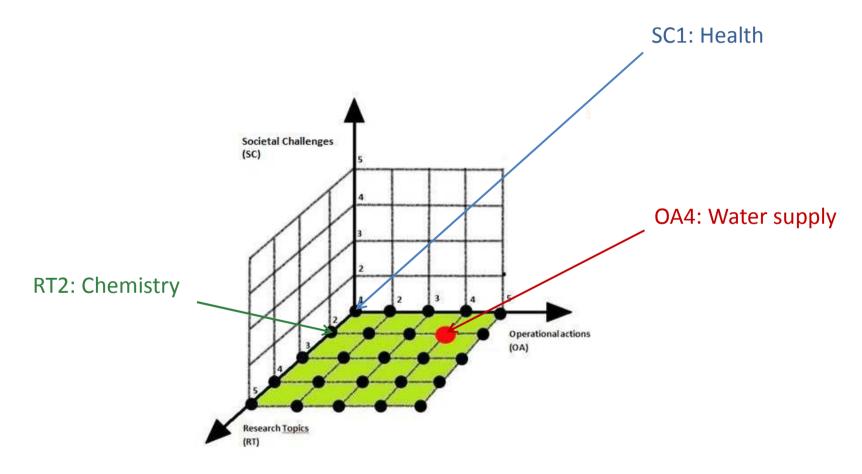








Example: 2D PLOT FOR SC1: HEALTH











The European Inventory of Groundwater Research

-EIGR-











Resources to be included in the EIGR (only metadata): Cooperation from 20 National Experts who populate the EIGR



Research and applied research projects (e.g. EU and Interreg projects)



Technical reports and guidances



Surveys including relevant data and maps



Books and book chapters



Consulting reports for ministries and other authorities



Monographs etc., etc.,

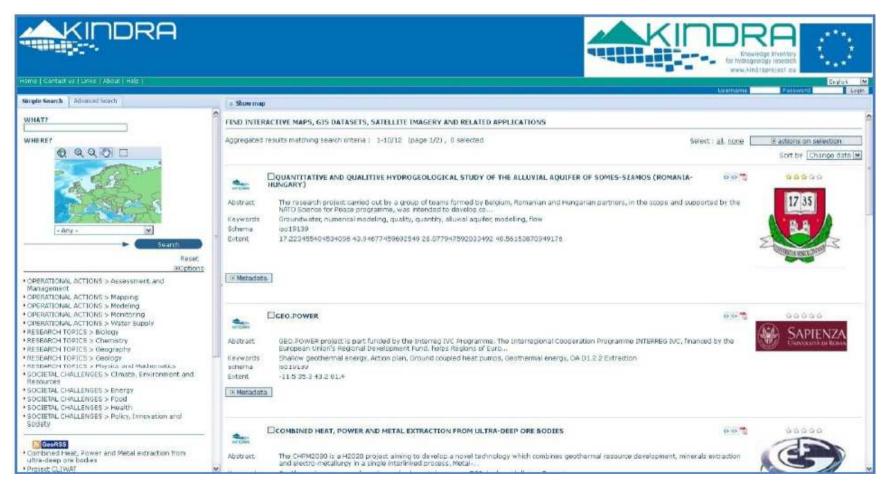








EIGR User Interface: based on Geonetworks. FIGR user manual available







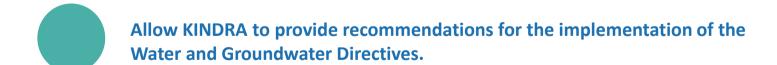




The EIGR is conceived as a tool which asides from serving as an Inventory, it will also allow for















The KINDRA project EIGR can be accessed by registered users at:

http://kindra.kindraproject.eu/geonetwork/srv/eng/main.home

Thank You ©

www.kindraproject.eu

Email: coordinator@kindraproject.eu





