

KNOWLEDGE INVENTORY FOR HYDROGEOLOGY RESEARCH

Water is a key-topic in modern society: not only is it a pivotal human, biological and environmental requirement, it also represents the **engine** for several research topics which are interconnected, covering the water-food-energy-climate nexus, and it has even a fundamental impact on urban systems.

Groundwater is the **hidden component** of the water cycle, difficult to assess, evaluate and communicate. It plays a fundamental role by sustaining the health of our ecosystems, ourselves and our industrial and agricultural production.

KINDRA seeks to help achieve a better understanding of the **groundwater** topic by providing an overall view of the **scientific knowledge** that exists across Europe.

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The KINDRA Partnership:

Project Coordinator: Sapienza University of Rome, Earth Sciences Department, ITALY

EFG - European Federation of Geologists

REDIAM - Environment and Water Agency of Andalusia, SPAIN

LPRC - La Palma Research Centre for Future Studies S.L., SPAIN

UM - University of Miskolc, Faculty of Earth Science and Engineering, HUNGARY

GEUS - Geological Survey of Denmark and Greenland, DENMARK



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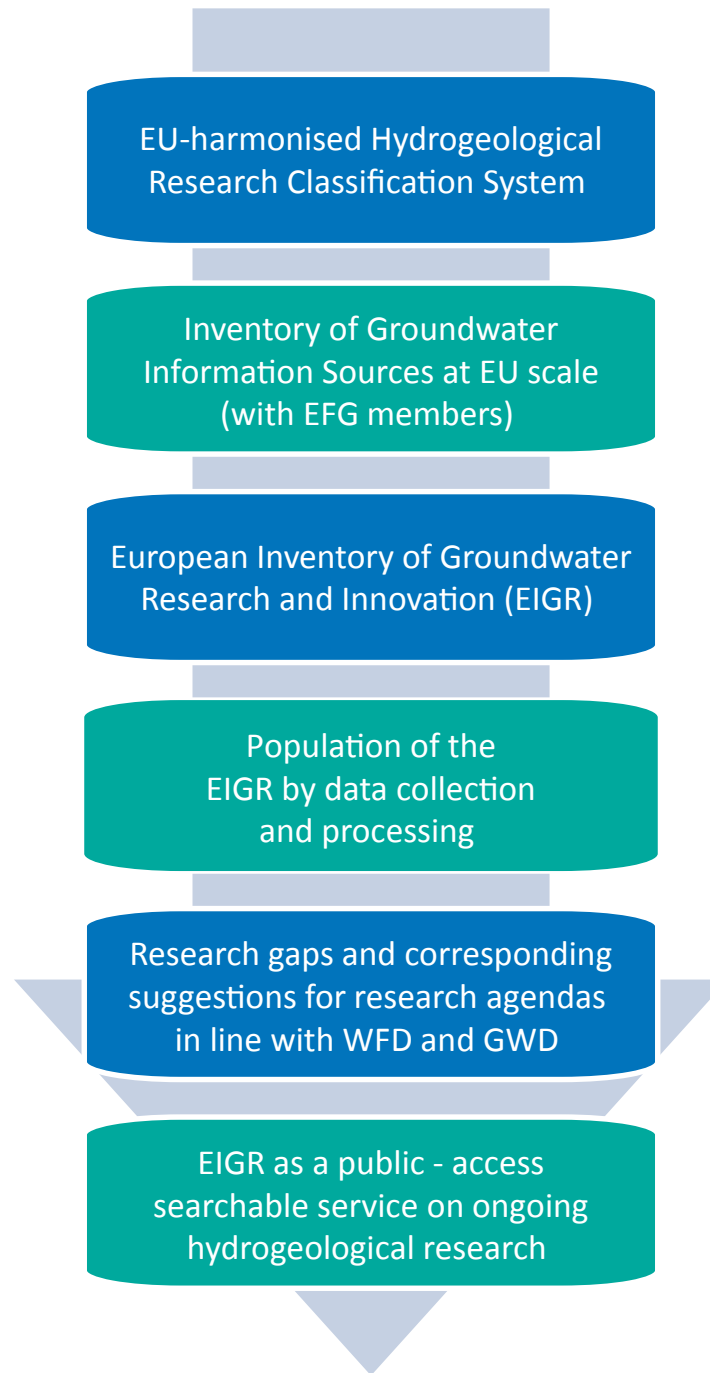
Objective

Groundwater Research Inventory and Classification

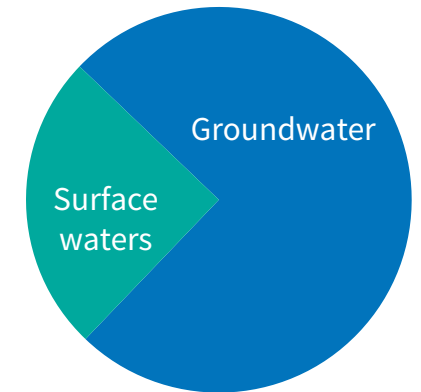
Practical and scientific knowledge related to groundwater research and innovation is scattered amongst various actors throughout Europe. KINDRA will develop an inventory of this groundwater knowledge-base, following a new Harmonised Research Classification System (HRC-SYS). This requires an effective assessment of the state-of-the-art of hydrogeology research across different geographical and geo-environmental settings, allowing for direct comparison and identifying synergies in groundwater research.

A European Inventory of Groundwater Research results (EIGR) will be compiled, including survey results and research activities, projects and programmes, all of which are essential to identify and determine future trends, critical challenges and research gaps. The objective is to improve management and policy development for groundwater resources on a EU level coherently with the Water Framework Directive (WFD) and the Groundwater Directive (GWD).

Following this classification, the inventory will provide a public-access service for European hydrogeological research in progress.



Drinking water supply of European Union residents
SOURCE: Groundwater Protection in Europe, EC, 2008



Communication

Making Groundwater Visible

Raising awareness on the importance of groundwater is our priority. KINDRA will work with the technical and scientific community, stakeholder groups and the general public. KINDRA counts on the direct involvement of the European Federation of Geologists (EFG), which will provide the technical expertise of its national members actively cooperating within the project. The project will also benefit from the support of a Joint Panel of Experts, in close interaction with different EU Groundwater Associations, Networks and Working Groups. This will facilitate community involvement and dissemination. All of the technical content and results will be finally adapted into outreach materials that will help the general public to understand the relevance of groundwater in daily life.