

# KINDRA

**Duration: 3 years (end in March 2018)**

**Type of Action: CSA** (H2020-WATER-2014-one-stage)

**Nr of participants: 6 partners**

**Total funding: 1.119.338 euros**



# Background

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.

## Classification

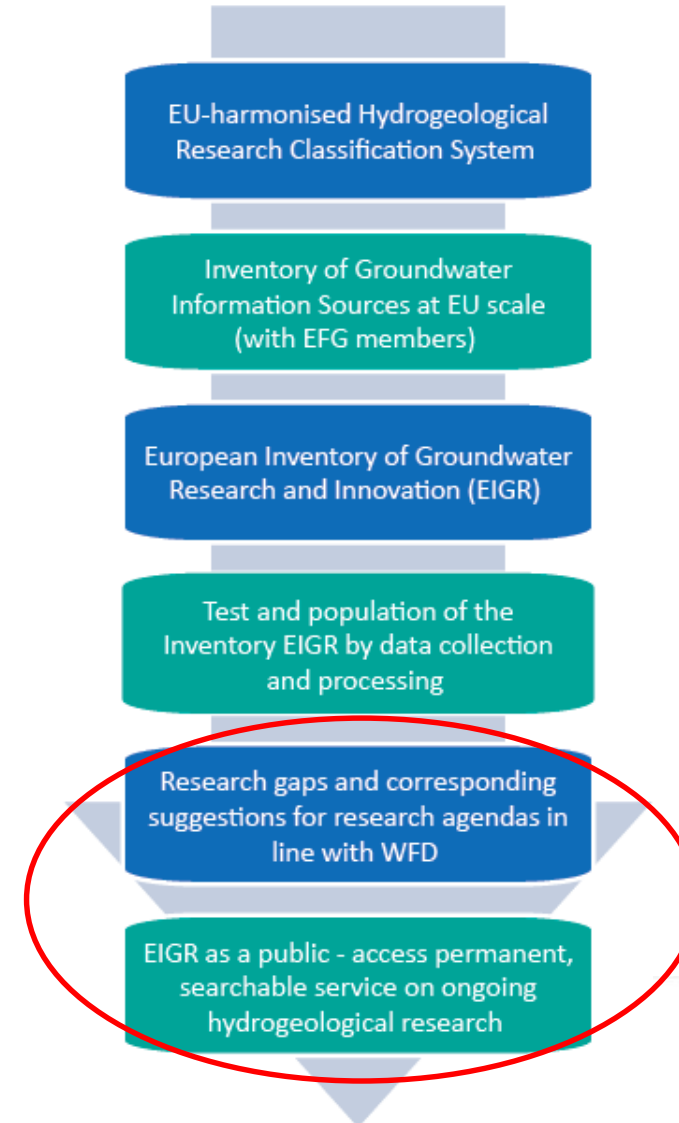
- Joint Panel of Experts (10 experts)

## Inventory

- 20 third parties (national representatives of EFG network)

## Dissemination

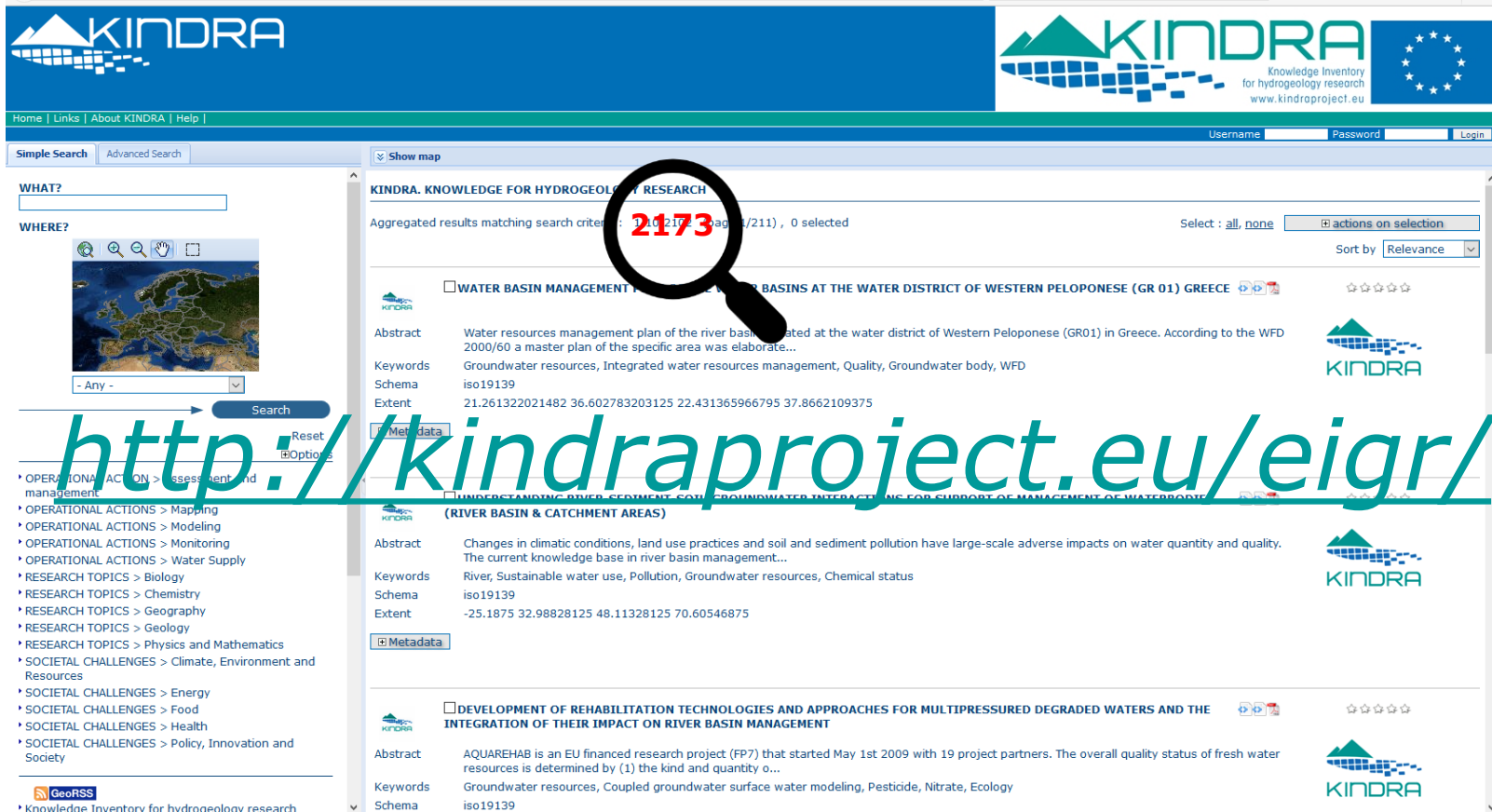
- EFG dissemination capacity
- Collaboration with JPE, CIS WG-C, IAH, WssTP, ICT4water cluster, etc.



# Background



# EIGR (European Inventory on Groundwater Research): Architecture



The screenshot displays the EIGR web interface. At the top, there are navigation links (Home, Links, About KINDRA, Help) and a search bar. The main content area shows search results for 'WATER BASIN MANAGEMENT' and 'UNDERSTANDING RIVER SEDIMENT SOIL-GROUNDWATER INTERACTION'. A magnifying glass highlights the number '2173' in the search results. The interface includes a sidebar with navigation options, a map view, and a search bar. The URL <http://kindraproject.eu/eigr/> is overlaid on the screenshot.

**WATER BASIN MANAGEMENT**  
Abstract: Water resources management plan of the river basin located at the water district of Western Peloponese (GR01) in Greece. According to the WFD 2000/60 a master plan of the specific area was elaborate...  
Keywords: Groundwater resources, Integrated water resources management, Quality, Groundwater body, WFD  
Schema: iso19139  
Extent: 21.261322021482 36.602783203125 22.431365966795 37.8662109375

**UNDERSTANDING RIVER SEDIMENT SOIL-GROUNDWATER INTERACTION FOR SUPPORT OF MANAGEMENT OF WATERBODIES (RIVER BASIN & CATCHMENT AREAS)**  
Abstract: Changes in climatic conditions, land use practices and soil and sediment pollution have large-scale adverse impacts on water quantity and quality. The current knowledge base in river basin management...  
Keywords: River, Sustainable water use, Pollution, Groundwater resources, Chemical status  
Schema: iso19139  
Extent: -25.1875 32.98828125 48.11328125 70.60546875

**DEVELOPMENT OF REHABILITATION TECHNOLOGIES AND APPROACHES FOR MULTIPRESSURED DEGRADED WATERS AND THE INTEGRATION OF THEIR IMPACT ON RIVER BASIN MANAGEMENT**  
Abstract: AQUAREHAB is an EU financed research project (FP7) that started May 1st 2009 with 19 project partners. The overall quality status of fresh water resources is determined by (1) the kind and quantity o...  
Keywords: Groundwater resources, Coupled groundwater surface water modeling, Pesticide, Nitrate, Ecology  
Schema: iso19139

EIGR User Interface: based on Geonetworks. EIGR user manual and video tutorial available



# Challenges/ Lessons/Conclusions

- *Collection of papers/report/databases/grey literature on groundwater issues scattered among EU*
- *Adoption of a classification hierarchy by keywords and 3 main categories (societal challenges, operational actions, research topics)*
- *Inserted data (more than 2000 records from 20 countries) subjected to a gap&trend analysis*
- *Involvement of the hydrogeological community, including researchers and practitioners*
- *Final results to be used for EU policy support and implementation of water directives*

