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ADES project is coordinated by the French National Geological Survey (BRGM) together with the main French major stakeholders (Ministries in charge of the Environment and health) and the French National Agency for Water and Aquatic Environments.

At September 1<sup>st</sup> 2013, you can find:

- 250 networks and around 75 000 monitoring stations
- More than 47 million records stored in the Information System (more than 37 million of chemical analyses and 10 millions of water level)

Groundwater level Piezometric level Spring Aquifer Water quality

Well

Groundwater

Monitoring









**ONEMA** 

French National Data Base on Groundwater

## www.ades.eaufrance.fr



Well

Groundwater

Spring

Piezometric level

Aquifer

Water quality

Monitoring

Groundwater level

Get, search

for groundwater data and play them back



local, national pressing societal and European requirements.

ADES provides public access to water quality and groundwater levels collected, the mapped results, metadata, and series of information updates. As a one-stop access point to relevant information, it is an essential tool for optimal management of groundwater resources, to enhance understanding of groundwater evolutions and contribute solutions for

#### Discover groundwater monitoring networks

Data are from representative monitoring stations for more than 70 000 stations scattered all over the country. These stations measure key components of groundwater quality (qualitometers), or groundwater level (piezometers). Some stations can insure both measurements.

ADES data base gives access to descriptive data sheets for all the monitoring stations: geographical



coordinates, location on a map, station operator (water agencies, local and regional authorities, decentralized state administrative authorities, regional agencies of the French National Geological Survey, ...), measurement frequency, etc.

### Carry out effective search

The ADES data base proposes several research methodologies to access observation stations, technical data sheets, and data on quality (chemical analyses results) and/or groundwater level (piezometric head). Number buttons for quick access.

 Quick access, by entering free expression in empty boxes with localization, type of data you are looking for (monitoring station, parameter, water level);

o Recifercité d	es points d'eau	par localisat	tion		
Pour des raison	s techniques, la	recherche sur	la France ent	ière ne peut	se faire que sur der
1. Sélectionn	er un type de p	oints d'eau			
<ul> <li>Indifférent</li> </ul>					
OPlézomètre (	sulvi quantité)				
Qualitomètre	(suivi qualité)				
OA la fois piéz	omètre et qualito	mètre			
2. Définir une	zone géograp	hique			
Localisation					
<ul> <li>Localiser la</li> </ul>	zone sur la carte				
Saisir les c	oordonnées et le	rayon de la zi	one recherch	ée	
X:	Y:		Rayon :	1 km 💠	Projection : Lar
Saisir un co	de BSS et le ray	on de la zone	recherchée		
Code BSS:					ayon: 1 km ‡

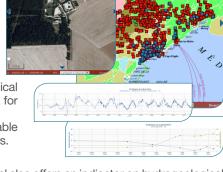
 Advanced search page: you can select by location on a map, for a specific network, a company, an aquifer, a groundwater body or a national code (BSS¹).

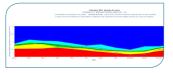
Whatever form access took, the results can be stored for later use.

# Access, view, export quickly data

ADES portal provides access to export sets of data and gives users access to various features such as:

- Maps and photos;
- Graphs: plot on the same chart 2 chemical parameters for the same quality station, for up to 5 for a piezometric station.
- Reliable indicators, up-to-date, comparable and responding to the needs of end-users.





The webportal also offers an indicator on hydrogeological situation of a monitoring station for a long period (minimum 10 years), with tables, graphs, maps.

#### Data base partners

Many partners take part in supplying ADES data base:

- ministry in charge of health (data on raw water groundwater quality, within the sanitation control program)
- regional services of the ministry in charge of Environment
- water agencies and water offices in overseas regions
- water suppliers
- territorial collectivities
- private companies (within under the regulations of Installations Classified for the Protection of the Environment and polluted sites)
- French National Geological Survey (BRGM) with the regional services

Free and open access web portal on groundwater data