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Towards Improved Groundwater Vulnerability Assessment

Fact Sheet

Project Information

IMVUL

Grant agreement ID: 212298

Project closed

Start date

1 October 2008

End date

30 April 2013

Funded under

Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007 to 2013)

Total cost

€ 3 221 516,86

EU contribution

€ 3 221 516,86

Coordinated by

UNIVERSITY OF LEEDS

 United Kingdom

This project is featured in...



Objective

There has been an increasing realization over the last 30 years that to preserve water quality and quantity in Europe, measures at both European and national levels are needed. Our groundwater resources are at risk from a wide variety of stresses including point and diffuse sources of contamination, over-abstraction and saline intrusion. Minimizing this risk requires a good understanding of the physical, chemical and biological processes involved and the development of tools to assess groundwater vulnerability, aid water management and design protection strategies. To meet the challenges imposed by the new EU Water and Ground Water Framework Directives, the water industry throughout Europe is already significantly expanding, creating an increasing demand for appropriately educated graduates. The proposed ITN network, IMVUL, is aimed at training researchers in the major issues and processes relevant to groundwater vulnerability. The network consists of 8 partners in the United Kingdom, France, Spain, Italy, Israel and Norway and 13 associated partners from the water industry. The research objectives are to increase our understanding of the fundamental processes relevant to groundwater vulnerability and develop improved prediction tools that can contribute to the protection and sustainable use of Europe's groundwater resources. This will be achieved through investigations of case study aquifers and their vulnerability issues, laboratory experiments of contaminant transport in the subsurface, and numerical and analytical modelling of the processes pertinent to groundwater vulnerability. The proposed network will contribute to satisfying a growing skill demand in groundwater research and the water industry by producing graduates with not only a sound knowledge of the scientific basis of groundwater vulnerability, but also good investigatory skills through their research experience and additional training relevant to the water industry.

Fields of science (EuroSciVoc)

[natural sciences](#) > [earth and related environmental sciences](#) > [hydrology](#).



Keywords

[Biogeochemistry](#)

[Environmental risk assessment](#)

[Groundwater flow and contaminant transport](#)

[Groundwater vulnerability](#)

[Numerical and analytical modeling](#)

[Water quality monitoring](#)

Programme(s)

[FP7-PEOPLE - Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities \(2007 to 2013\)](#)

Topic(s)

[PEOPLE-2007-1-1-ITN - Marie Curie Action: " Networks for Initial Training"](#)

Call for proposal

FP7-PEOPLE-2007-1-1-ITN
[See other projects for this call](#)

Funding Scheme

[MC-ITN - Networks for Initial Training \(ITN\)](#)

Coordinator



UNIVERSITY OF LEEDS

EU contribution

€ 576 340,38

Total cost

No data

Address

WOODHOUSE LANE

LS2 9JT Leeds

 **United Kingdom** 

Region

Yorkshire and the Humber > West Yorkshire > Leeds

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (7)



THE UNIVERSITY OF EDINBURGH

 United Kingdom

EU contribution

€ 404 897,56

Address

OLD COLLEGE, SOUTH BRIDGE

EH8 9YL Edinburgh 

Region

Scotland > Eastern Scotland > Edinburgh

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



WEIZMANN INSTITUTE OF SCIENCE

Israel

EU contribution

€ 377 219,38

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HERZL STREET 234

7610001 Rehovot

Activity type

Higher or Secondary Education Establishments

Links

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[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

France

EU contribution

€ 456 027,78

Address

RUE MICHEL ANGE 3

75794 Paris

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



UNIVERSITE PIERRE ET MARIE CURIE - PARIS 6

France

EU contribution

€ 409 920,18

Address

Place Jussieu 4

75252 PARIS

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

Spain

EU contribution

€ 376 244,80

Address

CALLE SERRANO 117

28006 Madrid

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



POLITECNICO DI MILANO

 Italy

EU contribution

€ 399 307,38

Address

PIAZZA LEONARDO DA VINCI 32
20133 Milano 

Region

Nord-Ovest > Lombardia > Milano

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



NORGES GEOLOGISKE UNDERSOKELSE

 Norway

EU contribution

€ 221 559,40

Address

LEIV EIRIKSSONSV VEI 39
7040 Trondheim 

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

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[HORIZON collaboration network](#) 

Total cost

No data

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European Union, 2025

