

Demonstration site

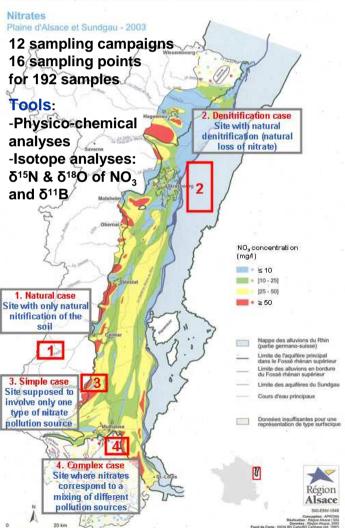


Partners

The Alsace (Rhine river basin) was selected as it is a strategic European drinking water reservoir where groundwater is threatened by human activities

Four specific cases studies to target as many different situations were monitored from October 2007 to December 2008

Inventaire de la qualité des eaux souterraines dans le Fossé rhénan supérieur





French Geological Survey



Flemish institute for technological research - Belgium



Ghent University - Belgium



International Office for Water - France



United Nations Educational, Scientific and Cultural Organization



Contact



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How isotope monitoring can improve management of nitrate pollution in water

LIFE demonstration project













Outcome 1 Guideline documents

Outcome 2 Workshop for policy makers

ISONITRATE

International Workshop

"Towards new methods to manage

nitrate pollution within the Water

Framework Directive"

Draft Programme

Day 1 - 10 Dec-09

" Nitrate monitoring:

Day 2 - 11 Dec-09

alternative and classical

approaches": a scientific state

"Towards implementation of

nitrate pollution": round table

new methods to manage

from 13:00

of the art

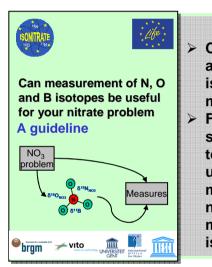
until 13:00

Addressed to: Water managers / Policy makers; Administrations, Environmental **Agencies**

Water Framework Directive monitoring programs would benefit from including isotope analysis

Publication: end 2009

Objective: Demonstrate how operational



- Criteria for application of isotope measurement
- Flowchart: stepwise approach to define possible use of isotope methods for nitrate pollution monitoring and issues

N, O and B isotopes to evaluate nitrate pollution in water Analytical and practical manual

- Method description & Step-by-step quidelines to transfer the methodology
- **Economic** advantage based on a cost/benefit analysis

the Life Programme



Aims

⇒To propose an adequate tool for water managers and policy makers to enhance river basin management concerning nitrate pollution

ISONITRATE is a demonstration project

funded by the European Commission under

⇒To demonstrate the added value of isotope approach which allows:

- To characterise water bodies
- To distinguish nitrates sources
- To analyse pressure and impact of nitrate pollution

Schedule: 2007 - 2010

2007: ISONITRATE tool description and I link to policy

2007/08: Sampling campaigns

2008/09: Environmental impact and

2008/09: ... Environmental impact and transferability

2009: Cost/benefit evaluation

2009: Guideline documents

December 2009: Final Workshop for policy makers & implementers



Objectives: Present and discuss new approaches to manage nitrate pollution

Audience: policy makers and implementers, environmental agencies, scientists, water stakeholders

Venue: 7 place de Fontenoy UNESCO, 75007 Paris

Date: 10 & 11 December 2009

Contact: conf isonitrate@oieau.Fr