

Presentation of a study case on tackle eutrophication within Nitrate Directive implementation in Romania

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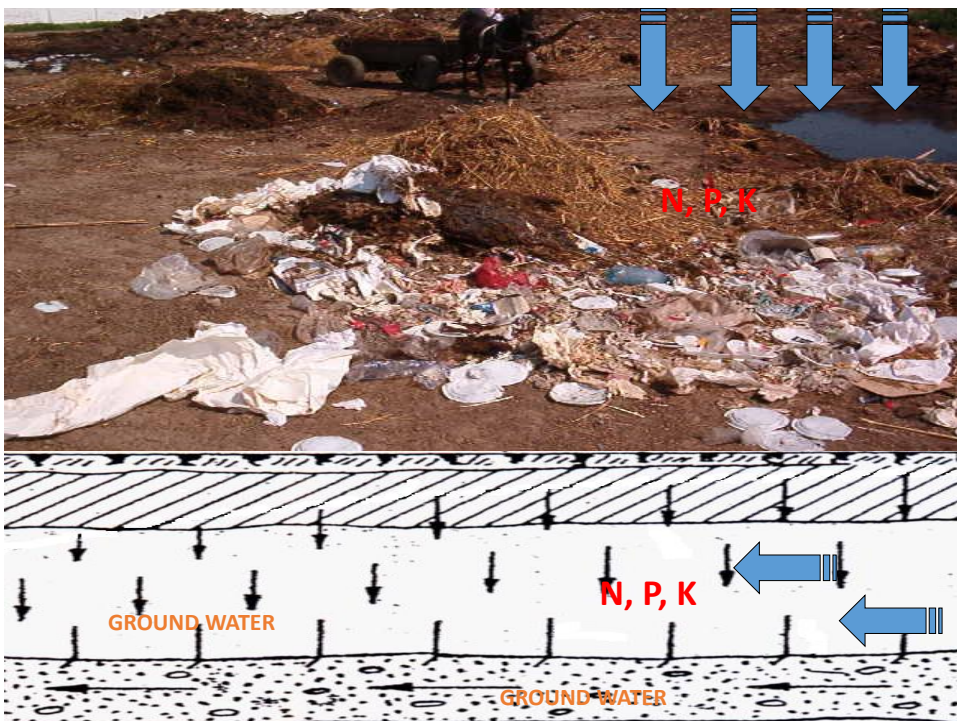
Project components

- Manure management
- Demonstration of the environmentally friendly agricultural practices
- Improvement of the sewerage and waste water treatment
- Improvement of the water and soil monitoring
- Improvement of the environmental regulation capacity
- Public information campaign

Nutrient pollution at the communa level

- Waste (manure mixed with domestic waste)
- Soil and Surface Water pollution;
- Groundwater pollution –drinking water affected;







Nitrate pollution within the individual households

- Mixed domestic waste and manure
- Inappropriate disposal of waste ;
- Contamination of soil and groundwater;
- Drinking water wells affected





Project interventions

Actions on four levels:

- I. Development of a minimum infrastructure for the commune and individual households
- II. Building sewerage and waste water treatment plants
- III. Support for the local authorities in order to create efficient systems for manure management
- IV. Changes in daily population behaviour
- V. Improvement of soil and water quality monitoring

Level I: Development of a minimum infrastructure

At the commune level:

- Building of 15 ecological platforms for manure management at the commune level
- Providing the necessary equipments for manure collection and platforms operation

At the household level

- Building 2.250 individual platforms for manure collection
- Providing equipment for domestic waste collection

Building waste water infrastructure

- Building demonstration projects in rural areas
- Building sewerage and connection to house hold
- Building waste water treatment plants

Level III: Support for the local authorities in order to create efficient systems for manure management

Manure management include few key elements:

1. Separate manure collection within the farms or individual households;
2. Manure collection from individual households;
3. Manure management on the commune platform
4. Intelligent use of the composted manure.

