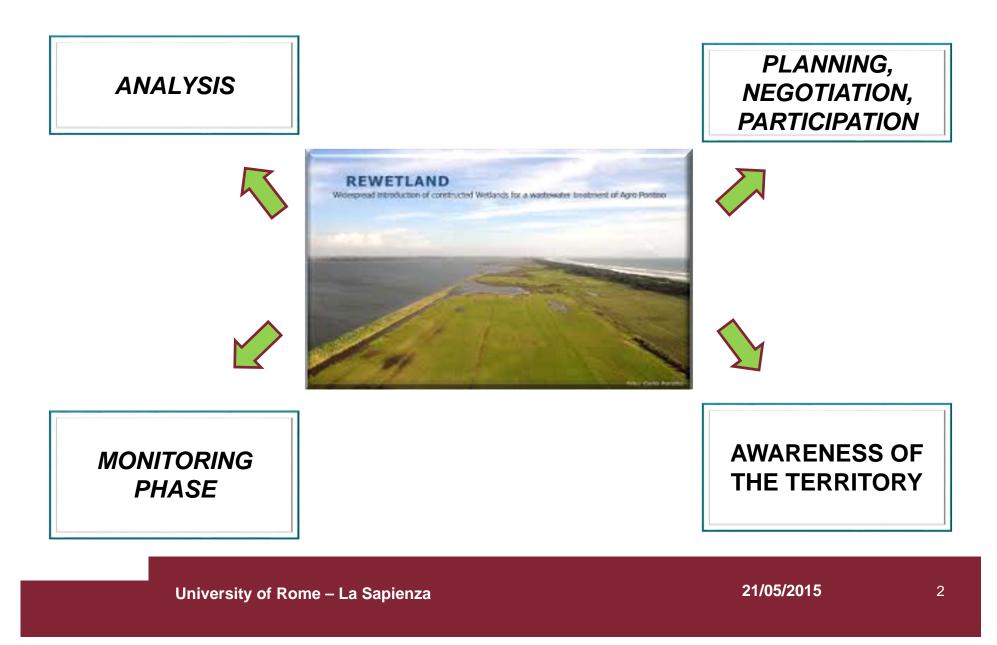
VALORIZATION AND AWARENESS OF THE TERRITORY THROUGH WASTEWATER TREATMENT PROCESS: THE PROJECT LIFE+REWETLAND

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PHASES CHARACTERIZING THE PROJECT



THE PILOT PROJECTS

The relevance is not only linked to the realization of constructed wetland systems, already known to the public and scientific community through many practical cases, but also to testing and verify the effectiveness of these systems in the territories in which they are made, and their replicability in similar areas.

Pilot Project 1: Ecosystem filter in a natural protected area (National Park of Circeo);

>Pilot Project 2: Linear Park of Marina di Latina (in an urban context);

> Pilot Project 3: Buffer strips along drainage canals;

> Pilot Project 4: Good practices for water management within the farm.

PILOT PROJECT 1 - Ecosystem filter in a natural protected area

The Pilot Project 1 provided the **creation** of a filter ecosystem in a protected area, characterized by a moderate naturalness.

The filter ecosystem in Region 1, consisting of reeds and wet meadows of new realization, allows to increase the availability of fresh water and to introduce new sweets wetland habitats in an already saline context.

Area 2 consists of **three artificial basins**, with different morphological, hydraulic and natural characteristic.



PILOT PROJECT 2 - "Linear Park of Marina di Latina"

The project provides three phytoremediation systems, fed by water coming from the Colmata canal, with more polluting load, and reentered, treated, in the Matropietro canal.

At the end of the realization of phytoremediation system and of the green areas, a **parking space**, a **dining area** and **pedestrian and cycle paths** have also carried out. The project's objective was to achieve a usable urban park for the citizens near a constructed wetlands plant.

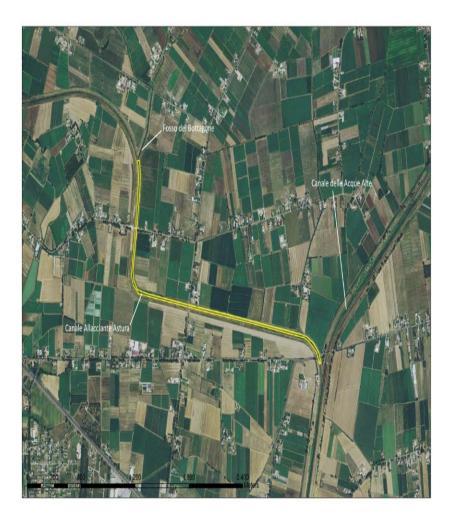


PILOT PROJECT 3 - "buffer strips along drainage canals"

The Pilot Project 3 involved the testing of buffer strips in different portions of the pattern of channels.

Through the creation of buffer zones, it was possible to collect the water coming from agricultural areas and purify it by nitrates and phosphates.

Therefore, the goal of the third pilot project is **to reduce the tropic loads transported by drainage canals** which, collecting the runoff water of agricultural areas, are enriched of nitrates and phosphates

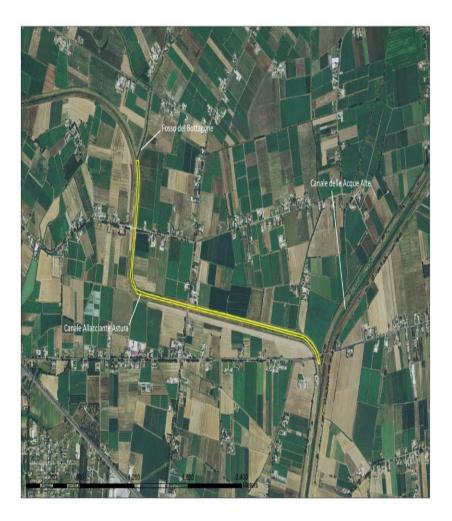


PILOT PROJECT 4 - Good practices for water management within the farm

It is different from the previous because it was focused on the study of **business processes and best practices of water management**.

It was implemented in a working farm present within the territoy of Agro-Pontino: **CASAL DEL GIGLIO**.

This is an important wine producing company with more than 150 hectares, located between the towns of Aprilia and Latina.



PILOT PROJECT 4 ... What's the objective?

- Within this project has been achieved an **ACTION PLAN** for the implementation of some identified actions in order to achieve the following **objectives**:
- Reduction of water tropic loads resulting from agricultural activities by means of natural purification techniques;
- Reduction of water consumption by rationalizing, according to an integrated approach, management and use of surface water and groundwater;
- Environmental requalification and enhancement of existing natural resources.

LIFE+REWETLAND FOR THE AWARENESS OF THE TERRITORY

One of the key concepts that should be considered in development policies, is the **conception of the territory**

> as a **resource**;

- as a place where create the essential conditions for their success and sustainability
- as result of a integrated system formed by LOCAL ACTORS, MAJOR OPERATORS and INTERNATIONAL NETWORKS

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THE ENVIRONMENTAL COMMUNICATION

- The main messages of the Project focused on the agriculture role in the water quality management and the dissemination of phytoremediation's techniques for the management of the canals system of Agro Pontino.
- At local level, the communication was addressed firstly to the **FARMERS AND TECHNICIANS OF THE SECTOR**, namely all subjects directly involved from the problems and solutions proposed by the project.