

Closing conference of ACT4LITTER October 24th, 2018 ATHENS - Greece

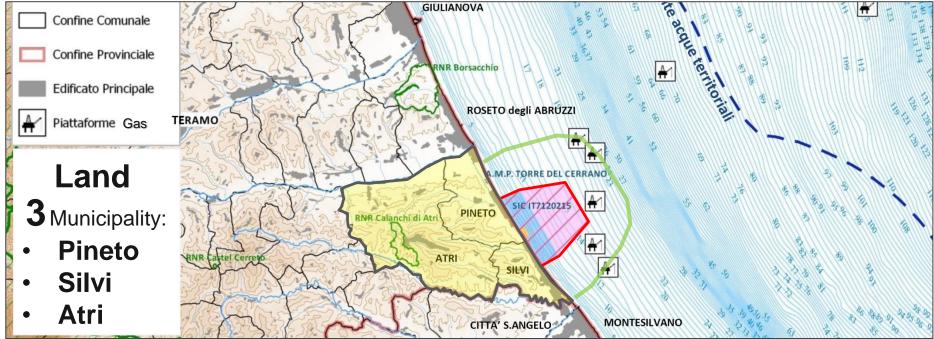
Central Building of the University of Athens

THE CONTEXT









Most of marine litter observed along the beach of the **MPA Torre del Cerrano** is land-based waste likely transported by numerous watercourses discharging within the protected area.

Due to connectivity between the river basin and the protected area, implementation of a catchment management programme is an essential tool to prevent the release of litter in the marine environment.

The MPA Torre del Cerrano signed a MoU to implement a "River Contract" for the purpose of monitoring the watercourses, limiting illegal dumping and maintaining ecosystem function and touristic fruition of the protected area



River Contract of Cerrano

The MPA Torre del Cerrano signed a MoU to implement a "River Contract of Cerrano" to join a wide Action Plan containing the ACT4LITTER suggestions.

The list includes: local Authorities and Protected Areas as coordination:

- Comuni di Pineto, Atri, Silvi (Teramo, Italy)
- Provincia di Teramo
- Regione Abruzzo
- Riserva OASI WWF dei Calanchi di Atri
- Torre del Cerrano MPA (as Secretariat)

Other stakeolder s involved:

Capitaneria di Porto – Coast Guard(Giulianova-Pescara); Carabinieri Forestali (Teramo); Regional Agency for the Environmental Protection ARTA Abruzzo Istituto Zooprofilattico Sperimentale (IZSAM) ASL Teramo Ruzzo reti acquedotti-Teramo ACA Azienda Acquedottistica- Pescara Marche Polytechnic University (UNIVPM) Voluntary organizations Associations and NGO

IMPLEMENTATION PROCESS & ACTORS INVOLVED

Memorandum of **Understanding**

Public Assembly meetings

Projects choise

Priority list of topics

Priority projects

Financing

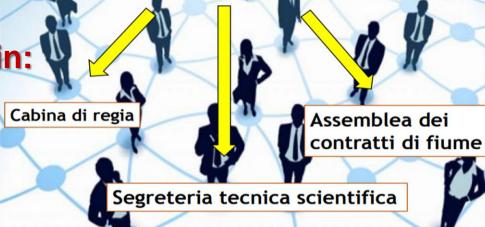
Execution



Il Contratto di Fiume prevede l'istituzione di:

Steering cabin:

Atri municipality **Pineto** municipality **Silvi** municipality Province of **Teramo** Region of Abruzzo



Assembly:

- **Experts**
- **Industry managers**
- Tourism operator
- NGO
- Stakeholders
- Citizen

Scientific technical secretariat

Marine Protected Area of «Torre del Cerrano»

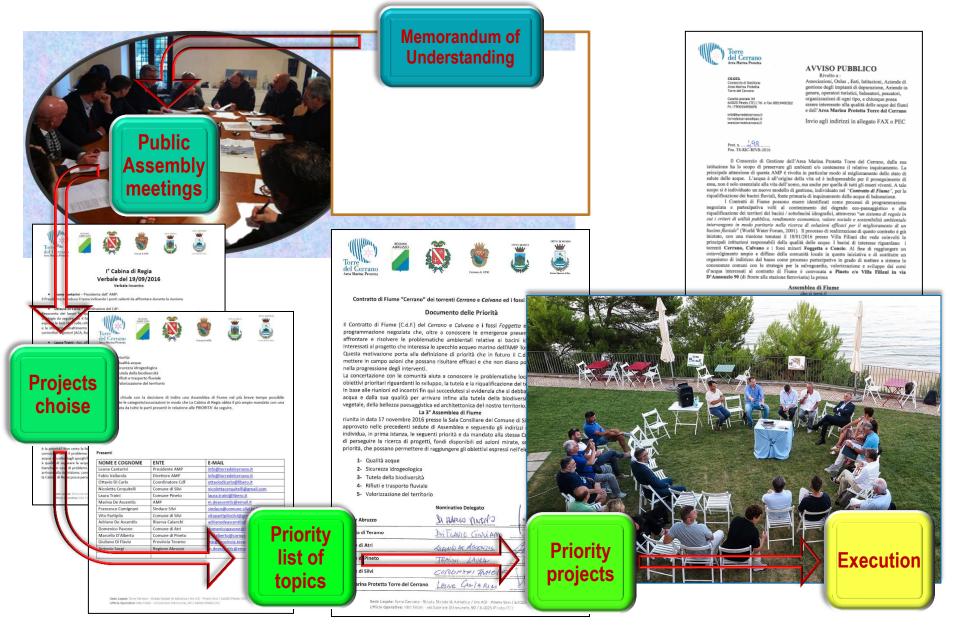
Aims

The signed programme has five main objectives:

- 1. to enhance water quality;
- to promote safety measures limiting the hydrogeological risk;
- 3. to preserve biodiversity;
- 4. to study catchment dynamics in order to **limit the transport of waste** and its release in the sea;
- 5. to improve territorial value.

The described targets are in line with the objectives of the EU Directives 2000/60/EC (Water Framework Directive), 2007/60/EC (on the assessment and management of flood risks) and 42/93/EEC (Habitat Directive).

IMPLEMENTATION PROCESS & ACTORS INVOLVED



Action plan

The designed team is collecting information on characteristics of the river basin (morphological and hydrological aspects of the rivers) and presence of agricultural holdings; moreover, possible threats to the natural environment will be identified.

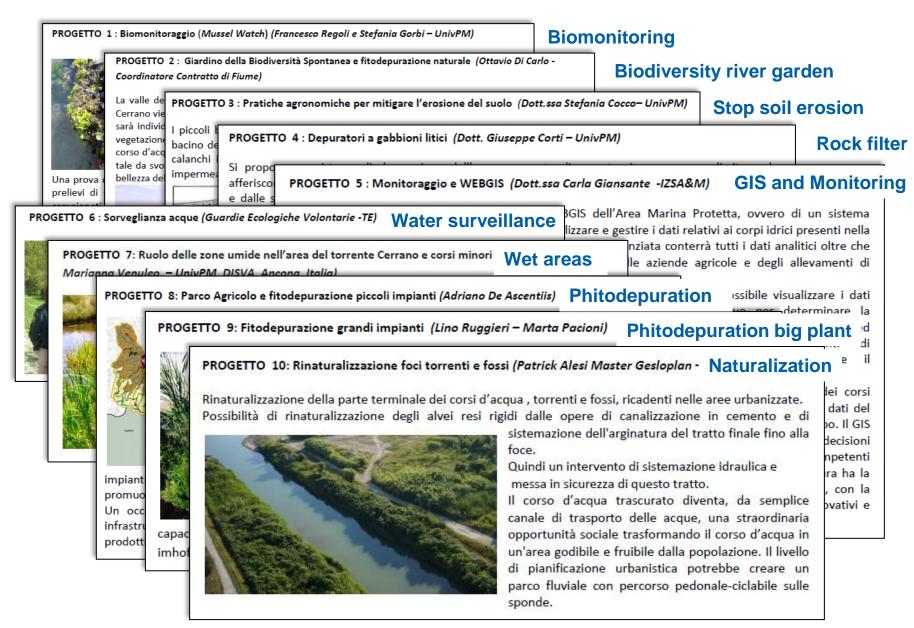
Periodical monitoring activities of water treatment plants will be carried out and a waste dumping monitoring protocol will be set.

In addition, a *Mussel Watch programme* will be implemented to assess the status of pollution of the considered watercourses.

Local stakeholders will be involved during the implementation steps.

The collected data will be analysed and shared in a webGIS platform

RIVER CONTRACT ACTIONS

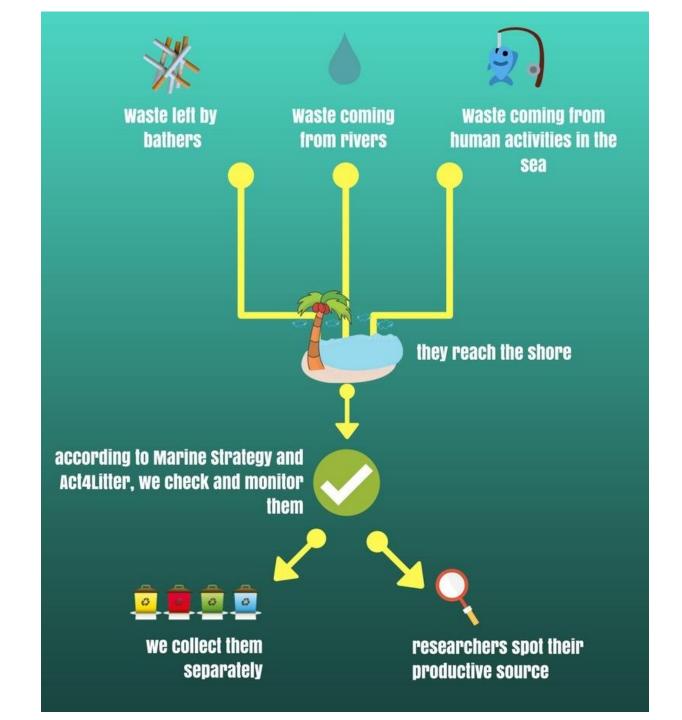


Main Actions going on: Projects 5 and 6

Since 2017 the MPA's team has been working together with staff of the Regional Agency for the Environmental Protection (ARTA Abruzzo) to implement the Marine Strategy Framework Directive (Directive 2008/56/EC, MSFD) and in particular the Descriptor 10 – Marine Litter (Indicator 10.1.1 Trends in the amount of litter washed ashore and/or deposited on coastlines, including analysis of its composition, spatial distribution and, where possible, source).

The MPA's team delimited the monitored areas and provided informative panels explaining the ongoing activities. The involved teams have been categorising litter items ≥ 2.5 cm on the MPA beach following the same protocol adopted by the A4L Project. The teams conducted a first survey on 15 March 2018.

Act4Litter monitoring

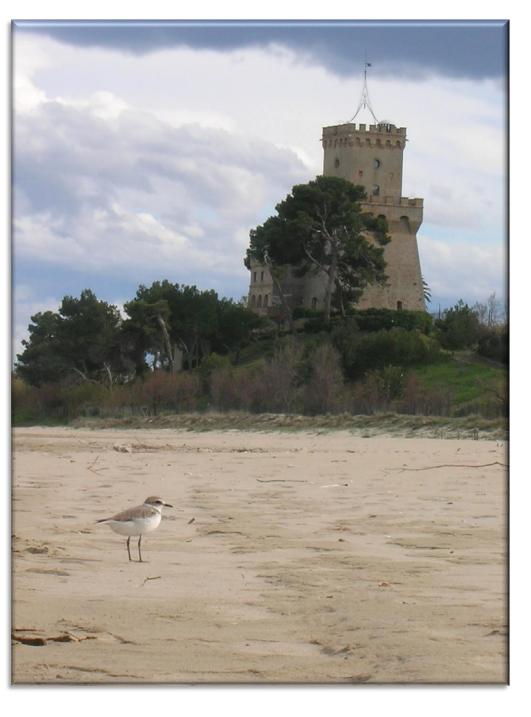


First and Second monitoring

Most of the observed litter is composed of plant litter transported by rivers and washed ashore after sea storms. Even if data have not been extensively analysed yet, collected litter mainly includes plastic (ARTIFICIAL POLYMER MATERIAL)

- During the first survey carried out on **15 March 2018**, the MPA's team noticed conspicuous amount of plant debris composed of tree branches, leaves and fine debris. While largest branches were accumulated on the backshore, finest fraction of the debris was observed in the intertidal zone, where it is probably exploited as shelter or a food source by organisms living in this area.
- •During the first survey carried out on 8 April 2018, the MPA's team confermed conspicuous amount of plant debris composed of tree branches, leaves and fine debris, but also a big amount of plastic litter.

Monitoring Litters



Coordination group as approved in Deliberation n.106 of 23.11.2017 Torre del Cerrano MPA: Fabio Vallarola, Ottavio Di Carlo, Cristina Di Camillo

Operational monitoring marine litter chosen by Deliberation n.111 of 11.12.2018 Regional Agency for the Environmental Protection ARTA Abruzzo: Director: Emanuela Scamosci,

Specialist: Massimo Petrini

Operational monitoring marine litter chosen by Deliberation n.79 of 31.05.2017 Istituto Zooprofilattico Sperimentale (IZSAM): Nicola Ferri, Miriam Berti

Coordination Volunteers: Progetto Naturando: Wieruszka Sporys

