

PROGRESS REPORT ON THE STEP-BY-STEP PROCESS FOR ELABORATING A MARINE LITTER ACTION PLAN

MPA NAME: Torre del Cerrano (S.S.16 Adriatica, Km 431 Pineto-Silvi; Office: Dep. Villa Filiani, via D'Annunzio 90 Pineto (Teramo, Italy))

TASKS	OUTPUTS	Short summary of the progress achieved
PHASE 1 – Establishment	<ul style="list-style-type: none"> ✓ Each MPA sets up a team tasked to implement the pilot action activities. ✓ Each MPA team develops a list of stakeholders, with the support of the A4L team, if needed. ✓ Each MPA team designs a stakeholders' engagement process, with the support of the A4L team, if needed. 	<ul style="list-style-type: none"> ✓ <i>Please specify if a team has been setup and indicate the members of the team.</i> 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: <u>Progetto Naturando</u>: Wieruszka Sporys ✓ <i>Please specify if the list of stakeholders has been developed and indicate the main stakeholder groups, e.g. fishermen, NGOs, local authorities, etc. Also indicate the number of entries top the stakeholder's list.</i> 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: <ul style="list-style-type: none"> - 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 - Guardia Costiera (Giulianova-Pescara) Carabinieri Forestali (Teramo) Regional Agency for the Environmental Protection ARTA Abruzzo

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Istituto Zooprofilattico Sperimentale (IZSAM)
ASL Teramo
Ruzzo reti acquedotti- Teramo
ACA Azienda Acquedottistica- Pescara
Marche Polytechnic University (UNIVPM)
Voluntary organizations
Associations and NGO

- ✓ *Please provide a short description of the engagement process designed. Which specific tools will be used?*
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 —in conjunction with the above-mentioned local Authorities— 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.
Aims. The signed programme has five main objectives: 1. to enhance water quality; 2. 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).
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.

PHASE 2 –
Analysis and

✓ Each MPA team collects marine litter related information, with

✓ *Please specify if the MPA team has collected marine litter related information. The ACT4LITTER Marine Litter Watch Month is only one source of information. Also any available information on the marine litter*

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<p>Scenarios</p>	<p>the support of the A4L team, if needed.</p> <ul style="list-style-type: none"> ✓ Each MPA team gathers information related to the MPA-specific context, with the support of the A4L team, if needed. ✓ The A4L team provides to the MPA team a form to record all marine litter and MPA related information. ✓ The A4L team introduces the marine litter and MPA-specific information into the A4L decision-making tool. ✓ The A4L decision-making tool generates potential MPA-specific marine litter measures (scenario). ✓ The MPA team communicates the pilot action to the stakeholders and engages them in the process, with the support of the A4L team, if needed. 	<p><i>issue (amount, types, sources and impacts) should be collected, including information on pre-existing relevant marine litter or waste management plans. Provide a short overview of the data collected.</i></p> <p>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.</p> <p>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. 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).</p> <p>Since public engagement is essential to marine litter prevention, beach clean-up days have been also programmed involving volunteers with the aims to increase citizen awareness and to remove litter from the beach. Several activities were promoted in the last five years; in particular, in the last two years within the Naturando project, however, data were published in a generic form in Ocean Initiative.</p> <ul style="list-style-type: none"> ✓ <i>Please specify if the MPA team has gathered information related to the MPA-specific context (short description of the area, environmental characteristics, environmental status, economic characteristics).</i> <p>Detailed information on environmental and economic characteristics of the MPA is given in the Natura 2000 Management Plan: http://www.torredelcerrano.it/docs/Piano%20di%20Gestione%20SIC%20IT7120215_bozza%20Aprile%202015.pdf</p> <p><i>Remarks.</i> 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.</p>
<p>PHASE 3 – Setting the Vision</p>	<ul style="list-style-type: none"> ✓ The MPA team engages with the stakeholders on the marine litter issue and the proposed 	

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	<p>measures, with the support of the A4L team, if needed.</p> <p>Consensus on the priority measures to feed into the first draft of the marine litter action plan is achieved.</p>
<p>PHASE 4 – Designing the Future</p>	<ul style="list-style-type: none"> ✓ The A4L team provides a draft template for the marine litter action plan. ✓ The MPA team drafts the marine litter action plan, with the support of the A4L team, if needed. ✓ The MPA team engages stakeholders in the validation of the action plan and its final adoption, with the support of the A4L team, if needed.