



Participatory Citizen Science against Marine Pollution

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2021 United Nations Decade
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2030 for Sustainable Development

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WANT 10-12 APRIL 2024
BARCELONA, SPAIN

As part of the Ocean Decade Week (8-12 April 2024)



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SeaPaCS rationale and motivation

The Ocean is a conceptual and physical space for reconsidering our relationship with the hybrid, heterogeneous and recombinant ecosystems of the Anthropocene

We explored how emerging nature-culture assemblages are materially and semantically transforming the ecological life-supporting systems. To this end, we focus on the plastisphere domain that interrogates natural and social scientists on the ontological nature, the pragmatic consequences and the semantic meaning of the heterogeneous formations in the marine environment



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SeaPaCS objectives and methods

Participatory Citizen Science, transdisciplinary approach to overcome the extractive approach in research and the inaccessibility of the marine environment, to tackle locally cogent issues.

Anzio (60 km S of Rome, 50.000 inhab.)

Research questions:

What could be the impacts of microplastics pollution in terms of plastisphere?

How can the experience of sea workers and amateurs help decrease plastic debris and promote sustainable behaviours?



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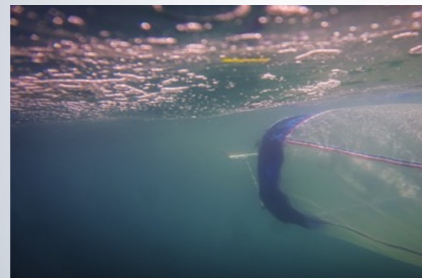
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SeaPaCS activities

- Sampling microplastics on sailing boat
- DNA and chemical analysis // DIY trawling tool
- Fishing for Plastic
- Interview with fishermen
- Making science public: visual documentation of the process and explorations
- Collecting and recycling marine macro-plastics

White Paper Challenge 1 Strategic ambition 3.2.2 Knowledge generation and sharing



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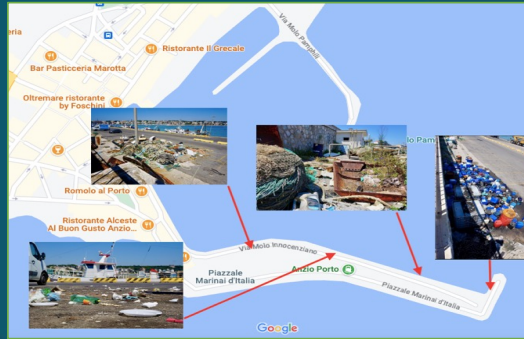
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SeaPaCS outcomes

- School laboratories
- Scientific protocol for CS research on microplastics
- Cleaning up of the harbour and new recycling plan
- Reusable fish boxes to fisherman
- International conference presentation and articles
- Professional video docs
- Artistic photographic exhibitions



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<https://crowdusg.net/seapacs/>

<https://zenodo.org/> → "seapacs"



GRAZIE A TUTT*!