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Miditerrannée

Summer Camp | July 7 – 11, 2025 | Marseille, France



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How can plastic waste collected from the Marseille coastline be exploited and valorized to create a product intended for students?

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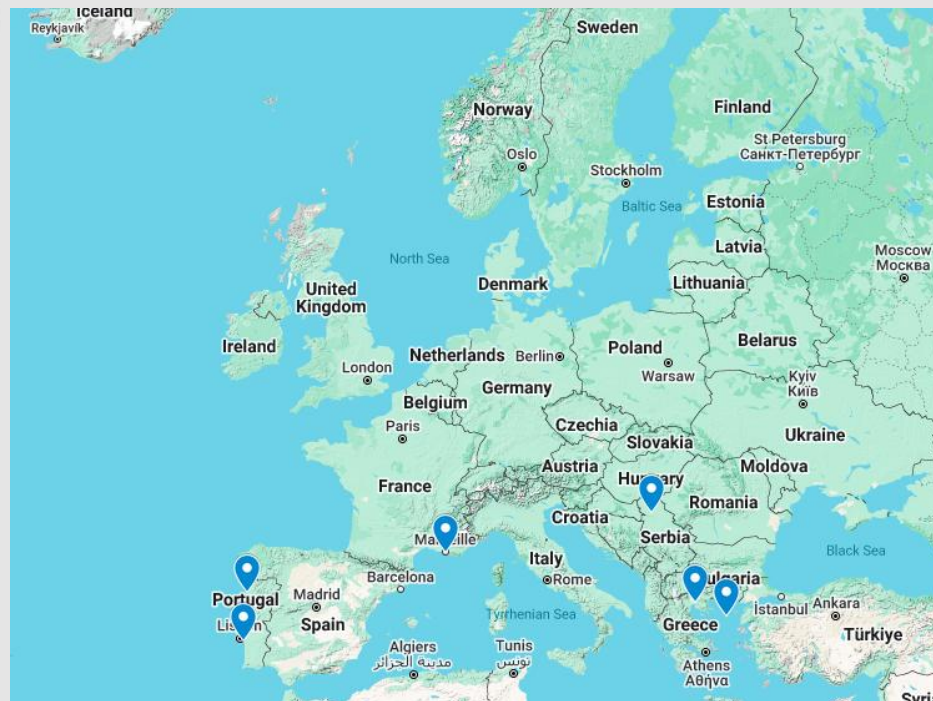
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Partners





Our project Miditerranée was born from an interdisciplinary workshop, organized as part of our training at INSPE, bringing together engineering sciences and applied arts. It later took shape through our participation in the SDG competition.



Introduction



SDG 14

Conserve and sustainably use the oceans, seas and marine resources for sustainable development.



Pointe Rouge Port - Marseille

The waters of Pointe Rouge harbor in Marseille are polluted with debris.



Coastal pollution:

Although the situation is improving in some areas, French coastal waters are still experiencing far too much contamination, according to a report by Ifremer. In 2024, the list of substances to be regulated could be expanded.

Key figures...



20.8 million

Over 20.8 million tonnes of waste were collected on beaches across 116 countries in 2019.



1.5 million

More than 1.5 million marine animals die each year due to plastic pollution.



70.8%

70.8% of the Earth's surface is covered by the ocean, which plays a major role in regulating the climate.



4.8 and 12.7million

Between 4.8 and 12.7 million tonnes of plastic end up in the oceans every year.



Sauvage Méditerranée



AGRIMA



Sauvage is a committed brand created by the association Sauvage Méditerranée.

It offers a unique collection of eco-designed jewelry made from wild waste (marine plastics, fishing nets, glass, land-based litter, etc.) collected by local environmental protection organizations.

The sale of Sauvage products aims to encourage and fund the organizations involved in the fight against the massive pollution of the Mediterranean Sea.



These items are made entirely from plastic collected on the beaches of the Mediterranean basin by partner associations. Each piece is handcrafted in our workshop located in Aix-en-Provence, just a few kilometers from Marseille.

Every product purchased helps fund cleanup operations carried out by local environmental protection organizations.

Product deposit: 10%
Donation to the association through your purchase: 5%



What they do ?

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Our Project

The objective of our project being to promote recycling in close collaboration with associations along the Marseille coastline, we must therefore adapt to the materials they make available to us.

The objective of our project being to promote recycling in close collaboration with associations along the Marseille coastline, we must therefore adapt to the materials they make available to us. The association Sauvage Méditerranée is dedicated to recycling plastic bottle caps, boat sails, and fishing nets. We are therefore planning to design cutlery from bottle caps, which we will extrude into flat sheets. The cutlery will then be cut using a laser cutter or milling machine. A coating that meets hygiene standards will subsequently be applied by dipping to ensure safe use



EUROPEAN STANDARD RESEARCH

Main requirements for food-grade coatings:



Standards ensure that plastic cutlery coatings are safe for food contact.

They must:

- Not release harmful substances into food
- Remain inert (no taste or smell alteration)
- Withstand heat (e.g., dishwasher-safe)
- Pass migration tests (overall and specific chemicals)

COATING SOLUTION



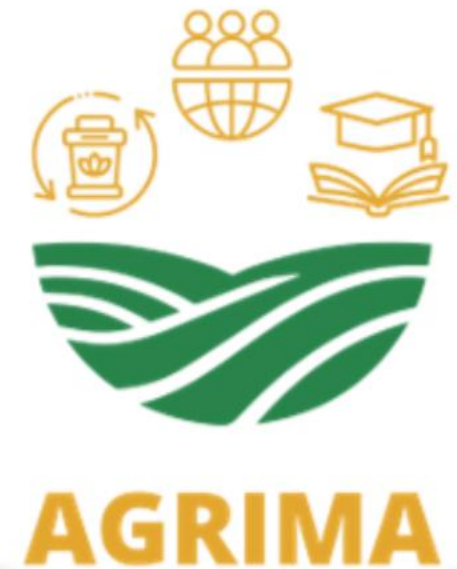
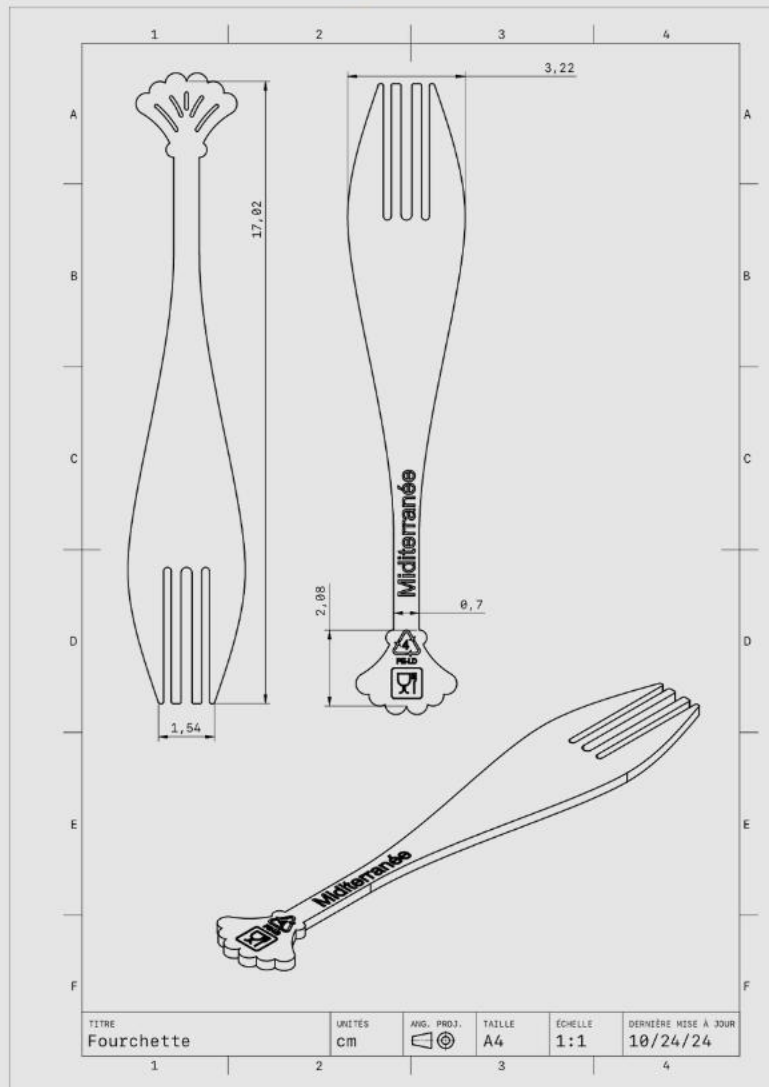
Bioplastics are often seen as eco-friendly alternatives to conventional plastics, but the reality is more complex.

There are two main types:

- Bio-based plastics, made from plant-based materials instead of petroleum (not necessarily organic).
- Biodegradable plastics, designed to break down under specific conditions, often in industrial composting.

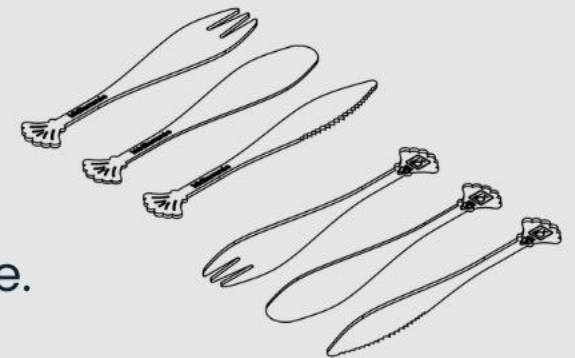
Only biodegradable plastics are regulated to prevent pollution from harmful additives like phthalates, dyes, or flame retardants.

Cutlery set



Fork, spoon, knife

collected from the Marseille coastline.
Artisanal and local manufacturing
(by the Sauvage Méditerranée association)"



Next steps and outlook

- 01 Collaborate with designers, engineers, makers, or fablabs (e.g., Make it Marseille) to develop prototypes.
- 02 Test distribution in one or two partner universities to gather feedback from students on usability, ergonomics, and aesthetics.
- 03 Anchor the project in the local ecosystem to ensure its sustainability and collaborative dimension.
- 04 Integrate the cutlery into university cafeterias and restaurants.
- 05 Involve student volunteers in collection efforts, awareness campaigns, or co-creation (DIY workshops, awareness events).



Next steps and outlook

- 06 Promote the initiative, raise broad awareness, and ensure effective distribution of the cutlery.
- 07 Launch an Instagram / TikTok page to document the project's steps, show material transformations, share testimonials, etc.v
- 08 Expand the project's impact and create a replicable model.
- 09 Consider creating other useful everyday objects (lunch boxes, cutlery cases, eco cups, etc.).
- 10 Plan a self-financing strategy (low-cost sales, local sponsorship, project grants, crowdfunding).
- 11 Document the project in the form of a guide or kit to allow other cities to replicate the concept.





