

Coastal and Marine Innovations for Sustainability

A worldwide review

WHY are we studying this subject?

- Sustainable lifestyle means understanding how our choices impact the world around us and finding ways for everyone to live better¹.

One way could be through the **development of innovations better harnessed for sustainability**. This is a key matter to support the implementation of the Sustainable Development Goals².

- If we assess the **international trends in the development of innovations that exploit Ecosystem Services (ES)** we might be able to understand how innovations have been contributing for sustainability.

WHAT are we exploring?

1. **What innovations**, to improve the quality and/or maintenance of the ES and/or optimize the exploitation of resources in a sustainable way, **already exist?**
2. **How, where, why, when, by whom**, and under **what conditions** were they created?
3. Which **ES** have been **exploited?**

HOW did we get answers?



Figure 1. Tools used in the review.

WHICH are our results?



Figure 2. Geographic distribution of innovations, focused on sustainability, found.



Figure 3. International trends in the development of innovations focused on sustainability, using coastal and marine ecosystem services as guideline.

Final Remarks

There is an increasing interest and market for innovations focused on sustainability.


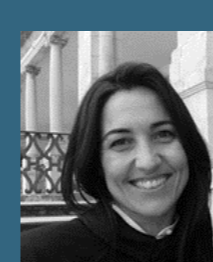
The examples found indicate that such innovations can be a feasible solution for tackling:

- Habitat loss
- Plastic waste
- Climate Change
- Food shortages
- Unemployment

References:

- ¹ Programa das Nações Unidas para o Meio Ambiente (UNEP). (07 de 09 de 2020). Obtido de <https://www.unenvironment.org/about-un-environment>
- ² Walz, R., Pfaff, M., Marscheider-Weidemann, F., & Glöser-Chahoud, S. (2017). Innovations for reaching the green sustainable development goals –where will they come from? *International Economics and Economic Policy*, 449–480

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