



REDRESS: Restoration of deep-sea habitats to rebuild European Seas
Project number: 101135492

REDRESS in a nutshell:

REDRESS will demonstrate the feasibility, sustainability, and value of deep-sea ecosystem restoration and provide public authorities with solutions to plan and upscale restoration operations.

Specifically, REDRESS will address the following interconnected actions:

1. fine-scale mapping of degraded marine habitats at the EU scale to establish a baseline to develop a roadmap towards the prioritisation of areas and activities most in need of urgent restoration interventions;
2. restoration interventions in deep-sea habitats to reverse biodiversity decline;
3. capitalise on restoration efforts from prior research experience to assess the restoration effects on biodiversity and ecosystem services;
4. apply the best (and cost-efficient) technological and nature-based approaches for the mid-and long-term monitoring of restoration success in different deep-sea habitats;
5. identify monitoring indicators and targets to measure large-scale restoration success in terms of ecosystem service benefits and trade-offs;
6. provide the impacts of cost for deep-sea restoration at the EU level;
7. contribute to the implementation of nature-based solutions, already developed in previous EU-funded projects;
8. identify public-private partnerships, cross-sectoral collaborations and forms of participation in marine restoration governance arrangements;
9. promote upscaling restoration actions, through stakeholder engagement and identifying the potential for innovative blueprint solutions to accelerate investment in marine restoration;
10. transfer the knowledge to promote new businesses (SMEs) in marine restoration.

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The ambition of REDRESS is to:

- I. identify priority areas for deep-sea restoration to support future EU policies and investments (i.e. Biodiversity Strategy 2030 and European Mission “Restore our ocean and waters by 2030”);
- II. allow the replicability of the upscaling of marine restoration across the EU and beyond;
- III. demonstrate the technological readiness for the upscaling of deep-sea ecosystem restoration;
- IV. implement low-cost monitoring systems to assess the success of deep-sea ecosystem restoration;
- V. provide the tools needed to empower society and governance to support sustainable and effective marine restoration activities in the mid-and long-term.

REDRESS CONSORTIUM

1. UNIVERSITA' POLITECNICA DELLE MARCHE, Italy (Coordinator)
 2. AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS, Spain;
 3. INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER, France;
 4. GEOMAR HELMHOLTZ-ZENTRUM FÜR OZEANFORSCHUNG KIEL, Germany;
 5. STICHTING NEDERLANDSE WETENSCHAPPELIJK ONDERZOEK INSTITUTEN, The Netherlands;
 6. HELLENIC CENTRE FOR MARINE RESEARCH, Greece;
 7. NATIONAL UNIVERSITY OF IRELAND GALWAY, Ireland;
 8. UNIVERSIDADE DE AVEIRO, Portugal;
 9. GOETEBORGS UNIVERSITET, Sweden;
 10. UNIVERSITY OF HAIFA, Israel;
 11. HAFRANNSOKNASTOFNUN, RANNSOKNA - OG RADGJAFARSTOFNUN HAFS OG VATNA, Iceland;
 12. CONSIGLIO NAZIONALE DELLE RICERCHE, Italy;
 13. SORBONNE UNIVERSITE, France;
 14. STAZIONE ZOOLOGICA ANTON DOHRN, Italy;
 15. ENGITEC SYSTEMS INTERNATIONAL LIMITED, Cyprus;
 16. DEESS, France;
 17. ECOREACH LTD, Italy;
 18. **EUROPEAN CHAPTER OF THE SOCIETY FOR ECOLOGICAL RESTORATION SERVICES INTERNATIONAL, Belgium;**
 19. ISRAEL OCEANOGRAPHIC AND LIMNOLOGICAL RESEARCH LIMITED, Israel;
 20. WAGENINGEN UNIVERSITY, The Netherlands;
 21. UNIVERSIDADE DOS ACORES, Portugal;
- Parties acting as Affiliated Entities:
22. IMAR - INSTITUTO DO MAR, Portugal;
- Parties acting as Associated Partners:
23. NATIONAL OCEANOGRAPHY CENTRE, United Kingdom;
 24. THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, United Kingdom;
 25. PLYMOUTH MARINE LABORATORY LIMITED, United Kingdom;
 26. DEEP-SEA BIOLOGY SOCIETY, United Kingdom

ROLE OF SERE

- Support the development of a complement to the Marine Ecological Standards (MER) standards with a focus on the deep-sea (part of WP1).
- Lead the development of a Financial Blueprint for financing deep-sea restoration approaches (**T4.3**).
- Survey SERE members to validate and enrich a draft policy analysis previously produced by another partner (**T5.2** and **T5.3**).
- Contribute to online dissemination of updates on REDRESS using existing SERE communication channels, such as the SERE website/blog, newsletter, Twitter/X, LinkedIn and direct messaging (**T6.1**).
- Design and produce a Handbook describing best practices, six podcast episodes for selected practices and four online webinars (**T6.3**).
- Organise one REDRESS expert workshop during the SERE conference in 2026 (**T6.6**).
- Support the other partners, the project management office and the Steering Committee by contributing to the scientific reports, preparation and submission of deliverables and preparation of the reporting of the partner costs for the financial report (**T7.1**)

TIMELINE & FUNDING

- Project budget: 8,565,994 €
- SER Europe Budget: 210,000 €
- Start date: 01.02.2024
- End date: 30.01.2028

PROJECT WEBSITE

<https://redress-project.eu/>