

Potential roles for industry in coral restoration

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9.2M Euros, 25 partners, 12 Case Studies, 2016-20 Objectives

- Advance our understanding of deep Atlantic marine ecosystems and populations
- Improve our capacity to monitor, model and predict shifts in deep-water ecosystems and populations
- **Transform** new data, tools and understanding into effective ocean governance for the deep ocean
- Scenario-test and develop science-led, cost-effective adaptive management strategies that stimulate Blue Growth

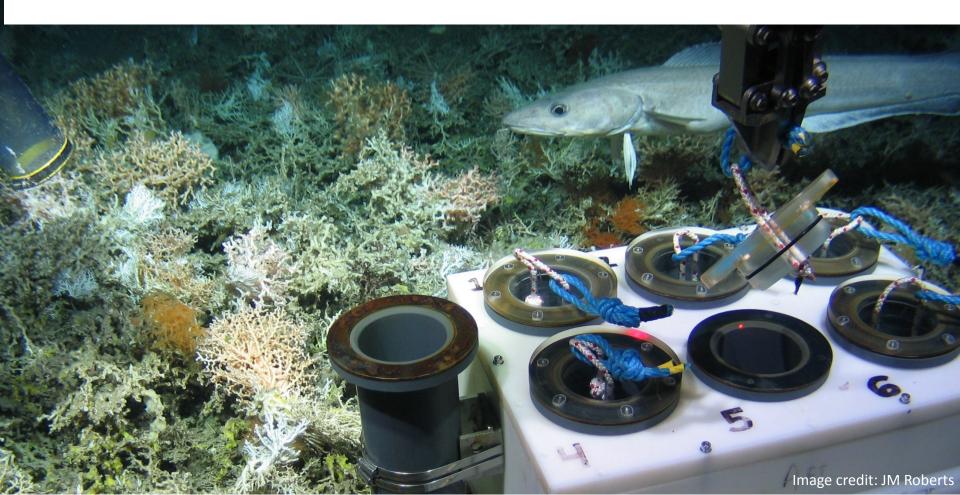




Industry Motivation



More effective regulation and ocean governance could mean that in future, industry will be required to rehabilitate impact sites or conduct research in adjacent areas to achieve no net loss (NNL) goals





Mechanisms towards NNL

Biodiversity offsets

measurable conservation outcomes of actions that compensate for significant adverse biodiversity impacts arising from project development after appropriate mitigation measures have been taken

Habitat/species banking

market-based instrument, in which industry buys biodiversity "credits" by creating or improving habitats to offset impacts of their activities

Offsite mitigation

biodiversity offsetting and habitat banking in a different "offsite" location to the one where industry had adverse impacts

Adapted from Cook & Clay (2013) Marine biodiversity offsetting and habitat banking feasibility study. Crown Estate.

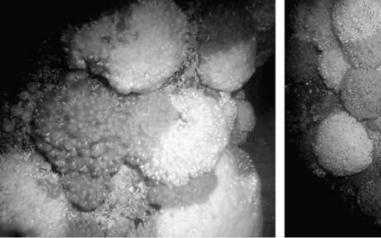


Positive benefits of including industry



Oil and gas industry example

- ship-time, toys
- joint initiatives & training
- sources of corals for transplants
- agents of marine connectivity





Lophelia pertusa



Image by Solvin Zenk





Images by Solvin Zenk







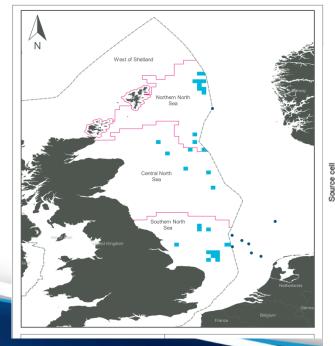
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ANChor Appraisal of network connectivity between

North Sea oil and gas platforms





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Fox, Henry, Corne & Roberts (2016) Sensitivity of marine protected area network connectivity to atmospheric variability. *Royal Society Open Science* 3, 160494

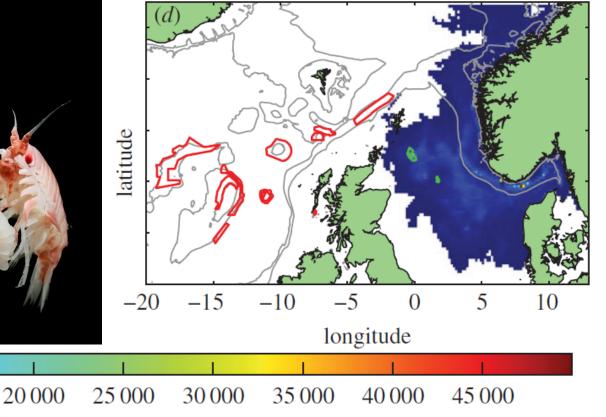


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