

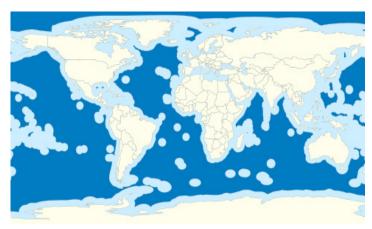
IUCN Seamounts project

Conservation and sustainable exploitation of seamount and hydrothermal vent ecosystems of the South West Indian Ocean in areas beyond national jurisdiction



Context and Challenges

Areas beyond national jurisdiction (ABNJ) are unique from both a geographic (remoteness, surface area, depth) and legal (international status, different regimes applying to the high seas and the Area, regime relying on the freedom principle) perspectives. They include unique and rich ecosystems such as seamounts and hydrothermal vents. These ecosystems are particularly vulnerable. Fishing and deep-sea mining represent the two major potential threats to these ecosystems.



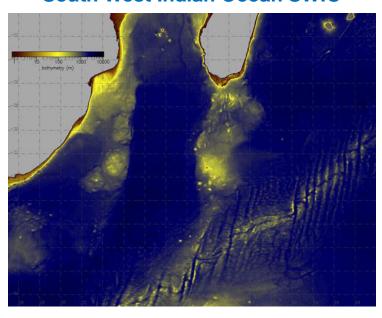
ABNJs represent 50% of the planet's surface (dark blue)

Objectives

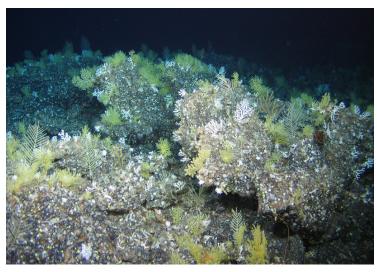
- 1. Advance the state of knowledge of deep sea marine ecosystems including hydrothermal vents and seamounts and their relationship with fish populations. Document the link between coastal and oceanic ecosystems of ABNJ towards increasing the involvement of coastal states in high seas governance.
- 2. Improve and strengthen the governance framework: a) For the management of fish stocks associated with deep sea ecosystems, including monitoring and control of fishing activities.
- b) For the conservation of biodiversity and different types of habitats in this region, especially with regards to the possibility of offshore mineral exploration and exploitation activities.

- 3. Suggest sound conservation and management measures for deep sea ecosystems in ABNJ, especially with regards to the creation of networks of marine protected areas (MPAs)) and Other Effective Conservation Measures (OECMs).
- 4. Raise awareness of policy makers, the fishing and mining industries and the general public to the importance of preserving deep sea life.

Project locationSouth West Indian Ocean SWIO



Map of study area with bathmetry readings. © IRD.



ROV images from the RSS James Cook Expedition in 2011

Planned Actions

Scientific

- Analysis of knowledge/data collected so far.
 Hydrology, biogeochemistry and environmental dynamics surveys.
- Biological sampling on the Walter's Shoal- zooplankton, seabirds and marine mammals surveys including acoustic survey and video camera use.
- Bathymetric survey of a seamount south of Madagascar and deployment of ADCP moorings.
- Identify sites of conservation interest aimed at their protection.
- Evaluate the impact of threats linked to activities from fishing and mineral exploration/exploitation on biodiversity.

Upcoming meetings

- Nairobi Convention Focal Points meeting: presentation on the importance of seamounts and ABNJ with emphasis on connectivity and discussion on governence scenarios.
 - Meetings atSIOFA-1st plenary session: discussion on management strategies of existing resources (BPAs, EBSAs, etc...).
 - Meetings to initiate discussions between NGO bodies and propose collaborations towards the management of biodiversity and resources.
- **2017** Nairobi COP: present the expedition results highlighting connectivity.
 - A general workshop on the connectivity of ABNJ involving regional actors.



Governance

- Reinforce existing ABNJ frameworks, develop regional capacities and partnerships.
- Assess the feasibility of an extension to the Nairobi convention in ABNJ.
- Support the first developments of SIOFA.
- Propose a management plan for Walters Shoal using marine spatial planning.
- Propose MPA networks in the regional ABNJ with enforcement strategy.
- Share experiences among regional and international scientific and international institutions. Some of this will include the publication of a roadmap directing future efforts.
- Evaluate possible financial tools to benefit conservation and management.

Partners and Funding

Funding: French Global Environment Facility (FFEM)

Co-funding: FAO

Executing partners: IUCN, MNHN, IRD, IDDRI, Ox-

ford University

Other partners: FAO, Nairobi Convention, Ministry of Environment, Energy and the Sea of France, Ministry of Foreign Affaires and International Developement of France, IFREMER, ISA, SIODFA, SAPPHIRE, AfriCOG, Department of Environmental Affairs of the Republic of South Africa

Project duration: 4 years (2014-2017). **Total project financing**: 9M euros.

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