

Decision Support Tools for Marine Spatial Planning: Challenges and Opportunities for Tropical Atlantic Systems

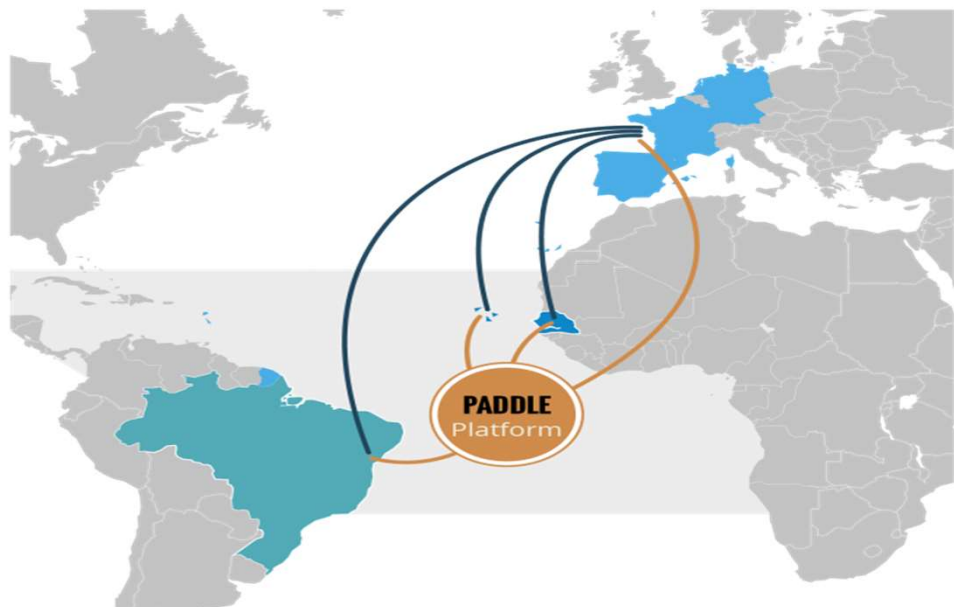
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Overview

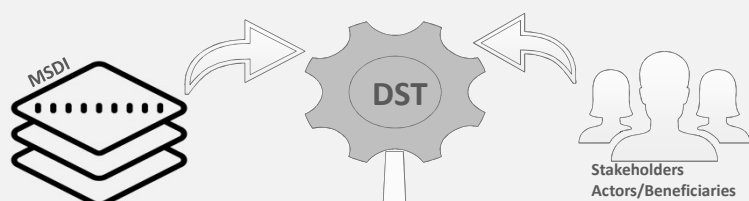
This thesis has been drawn as part of an international research program named PADDLE (Planning in A liquid world with tropical StakEs) which aims at enabling exchanges between experts in order to apply a knowledge-based framework to improve Marine Spatial Planning (MSP) in dynamical tropical ecosystems.



EU –Brazil - Africa
 Five work packages
 4 Years Paddle
 19 Partners
 EU-RISE
 3 Years PhD

MSP and DSTs

- Integration of Marine Spatial Data Infrastructure (Environnement, Administratif, Socioéconomique, legal)
- Spatial analysis of different scenarios (présent/future)
- Access to stakeholders and MSP actors/beneficiaries.



- Balance between activities and the environment
- Good Gouvernance (Participation)
- Ecosystem-based management

MSP



R.I. OSAMP (US), Marine and Coastal Act (UK), NFMSP (SA), NS-MSP (Belgium),...

DST



MarineMap, Marxan, Seasketch, Invest, MGEL, ARIES, MEMA, MIMES,...

PhD Thesis Objectives



Assess functionalities of existing MSP decision support tools.

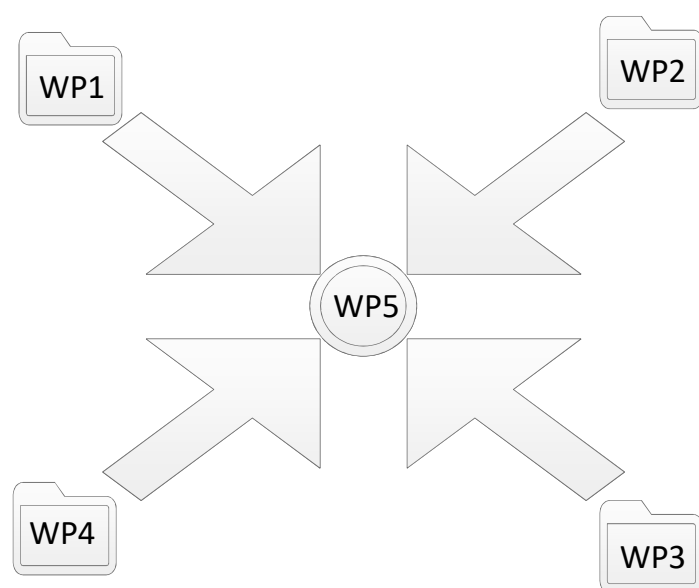


Evaluate their complementarities in face of tropical marine systems (Pernambuco as pilot site)



Develop a dynamic collaborative platform as support tool for Marine Spatial Planning implementation.

Paddle Work Packages/Structure



WP1: Coordination, training and dissemination



WP2: Ecosystems dynamics for marine spatial planning



WP3: Politics and Governance dynamics in marine spatial planning



WP4: Challenges and Solutions for Tropical Atlantic marine spatial planning



WP5: Collaborative platform for innovative marine spatial planning

PhD Thesis and Paddle project

- Registered under Work package 5
- Under supervision of S. Thorin (Creocean, France) et S. Bertrand (IRD, France)
- To cover 3 years (Paddle, 4 years)
- Financial Support from the ANRT-CIFRE (French platform)
- Organized by CREOCEAN / IRD-MARBEC / University of Montpellier (France)
- Primary data from Abraços Campaign

