

PROJETO
TERRAMAR

A graphic consisting of four horizontal, wavy bands of color. From top to bottom, the colors are yellow, green, light blue, and dark blue. The bands are slightly curved and overlap, creating a sense of movement and depth, resembling waves or a stylized landscape.

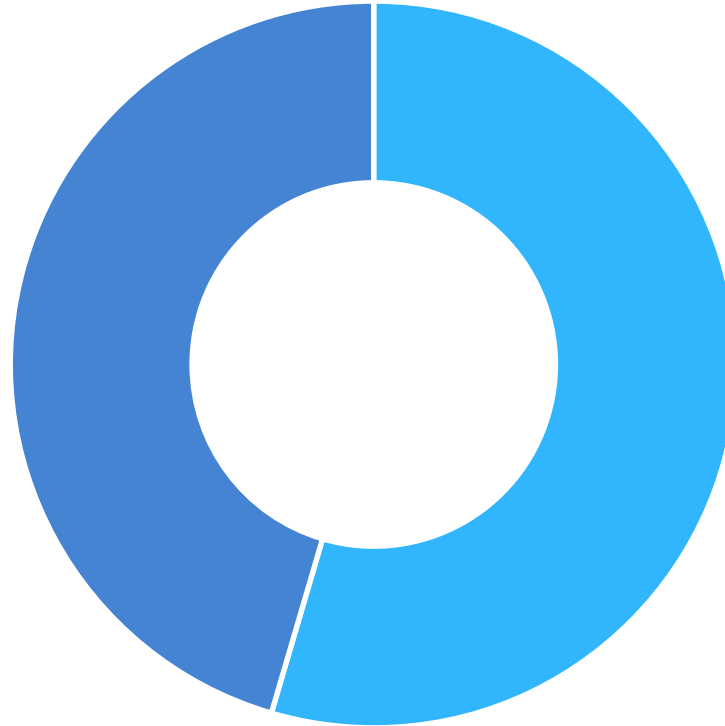
Project “Protection and Integrated Management of Marine and Coastal Biodiversity” – TerraMar Project –

BRAZIL			GERMANY
MMA (Ministry of Environment)			BMUB (Ministry of Environment)
SQA	SBio	ICMBio	GIZ

Technical Cooperation

Investment: 11 million EUR

Brazilian
Counterpart
5 million EUR
(in kind)



German
Technical
Cooperation
6 million
EUR

2016

Project length

2021

Context

- Brazilian coastal and marine zone is one of the country's most at-risk regions due to intensive use and severe human impacts;
- Isolated protected areas are not sufficient to assure biodiversity conservation and sustainable use of natural resources;
- Environmental management liability is shared among federal, state and local levels;
- Sectoral public policies are designed either just for the ocean or just for the continent.

Human activities affect the environmental quality of coastal and marine spaces



Oil exploitation



Turism



Seaport infrastructure



Urbanization



Fishing

Human activities affect the environmental quality of coastal and marine spaces



Monoculture



Deforestation



Hydropower plants



Mining

Isolated protected areas aren't sufficient to assure biodiversity conservation and sustainable use of natural resources

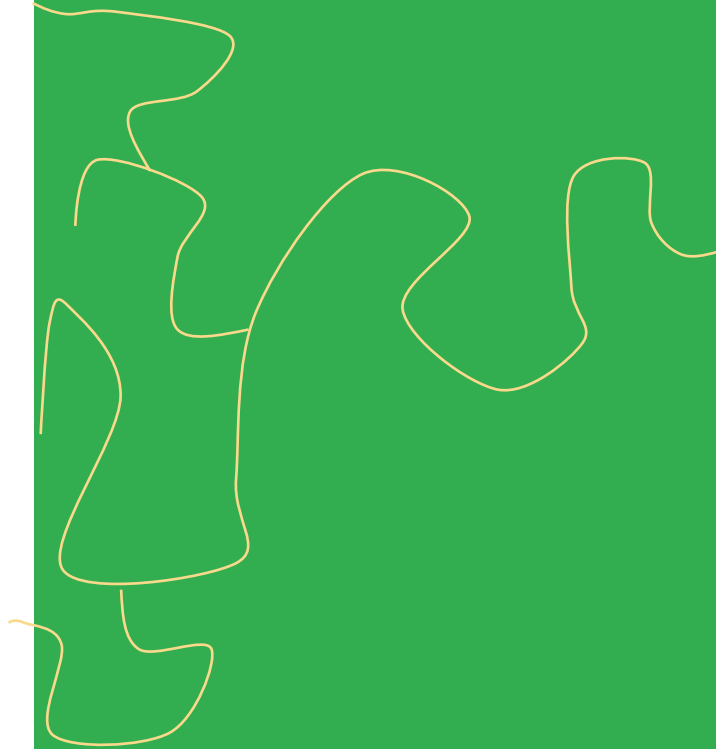


According to the Brazilian Constitution, environmental management liability is shared among federal, state and local levels.

CONTINENT

BEACH

SEA

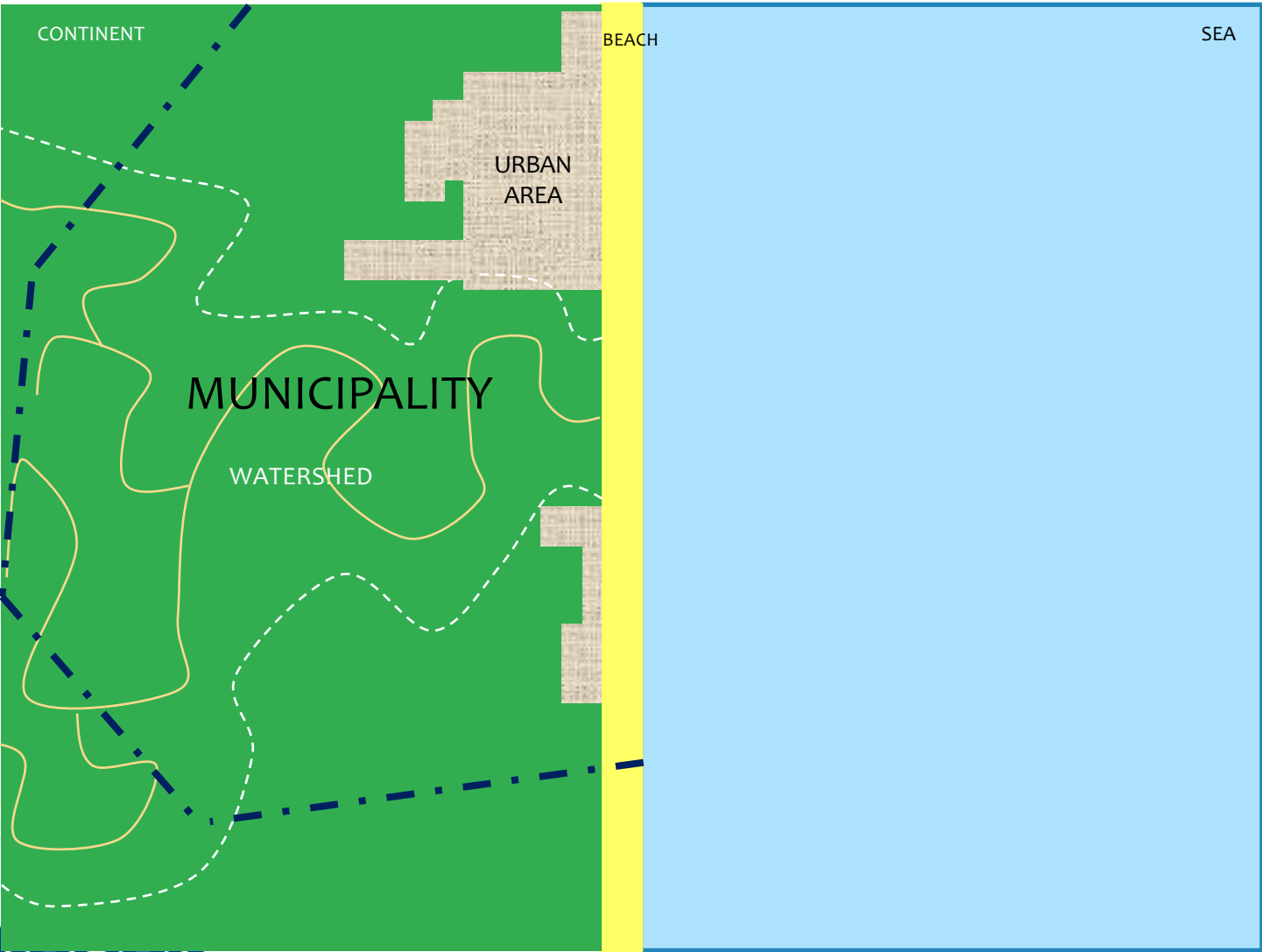


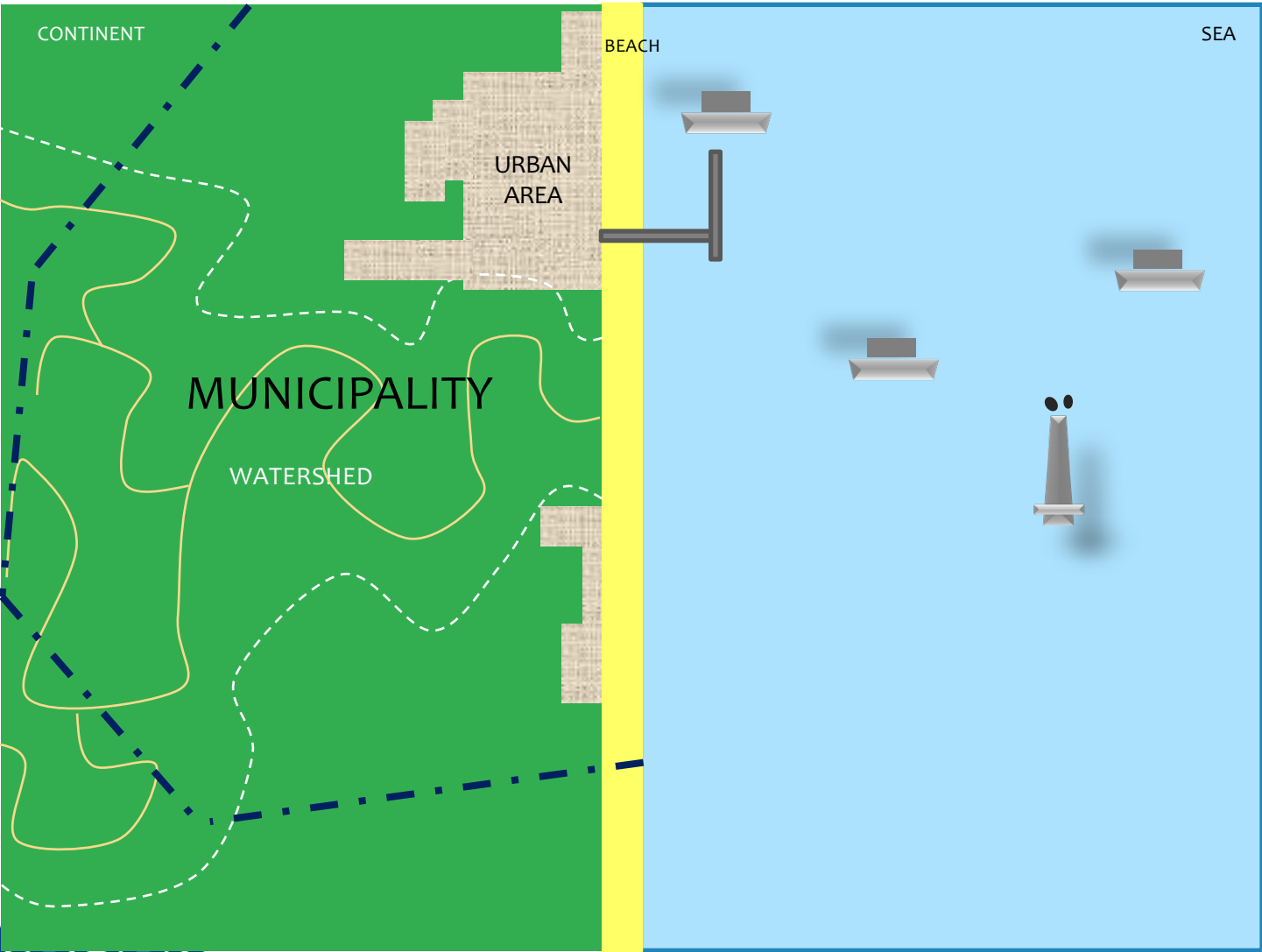
CONTINENT

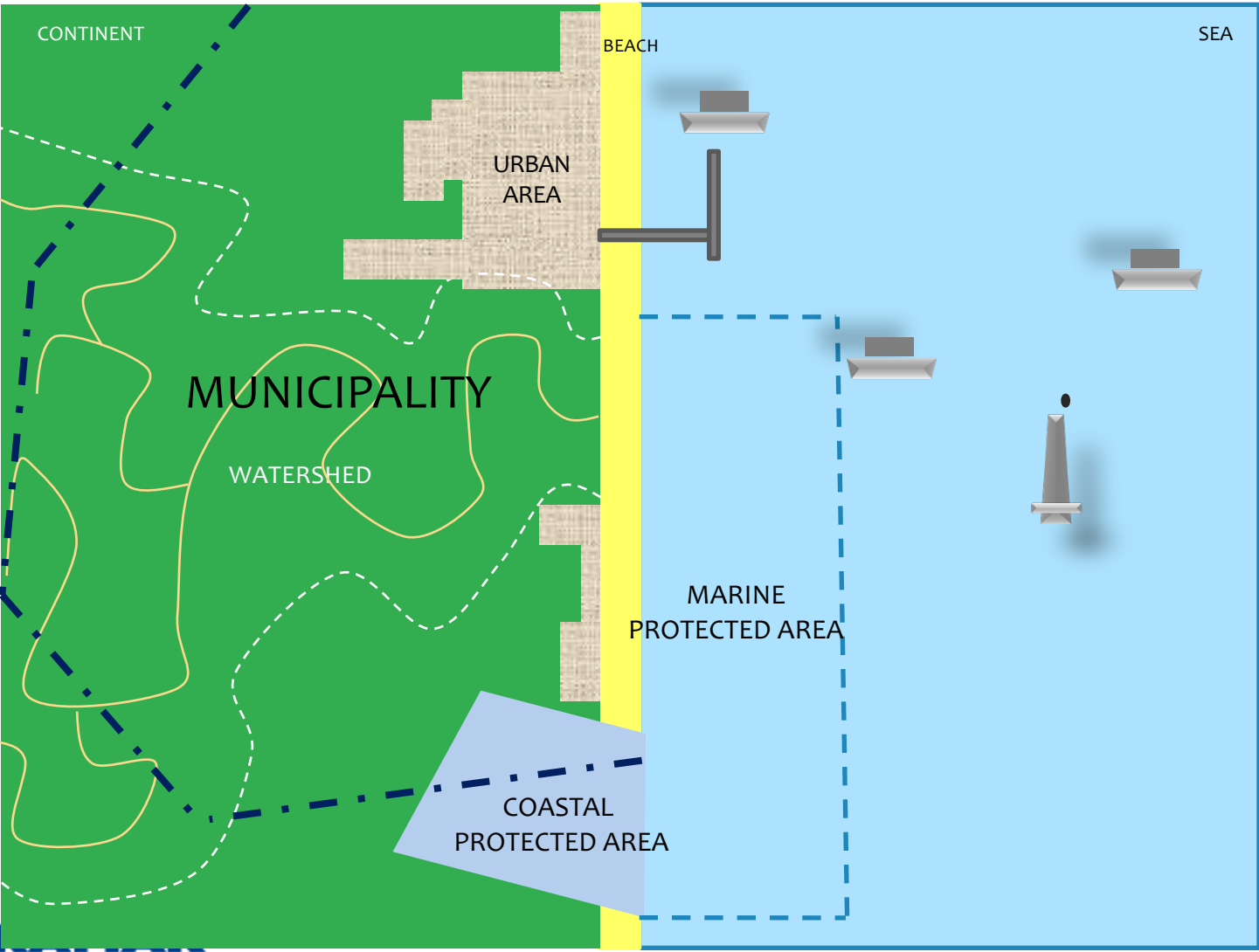
BEACH

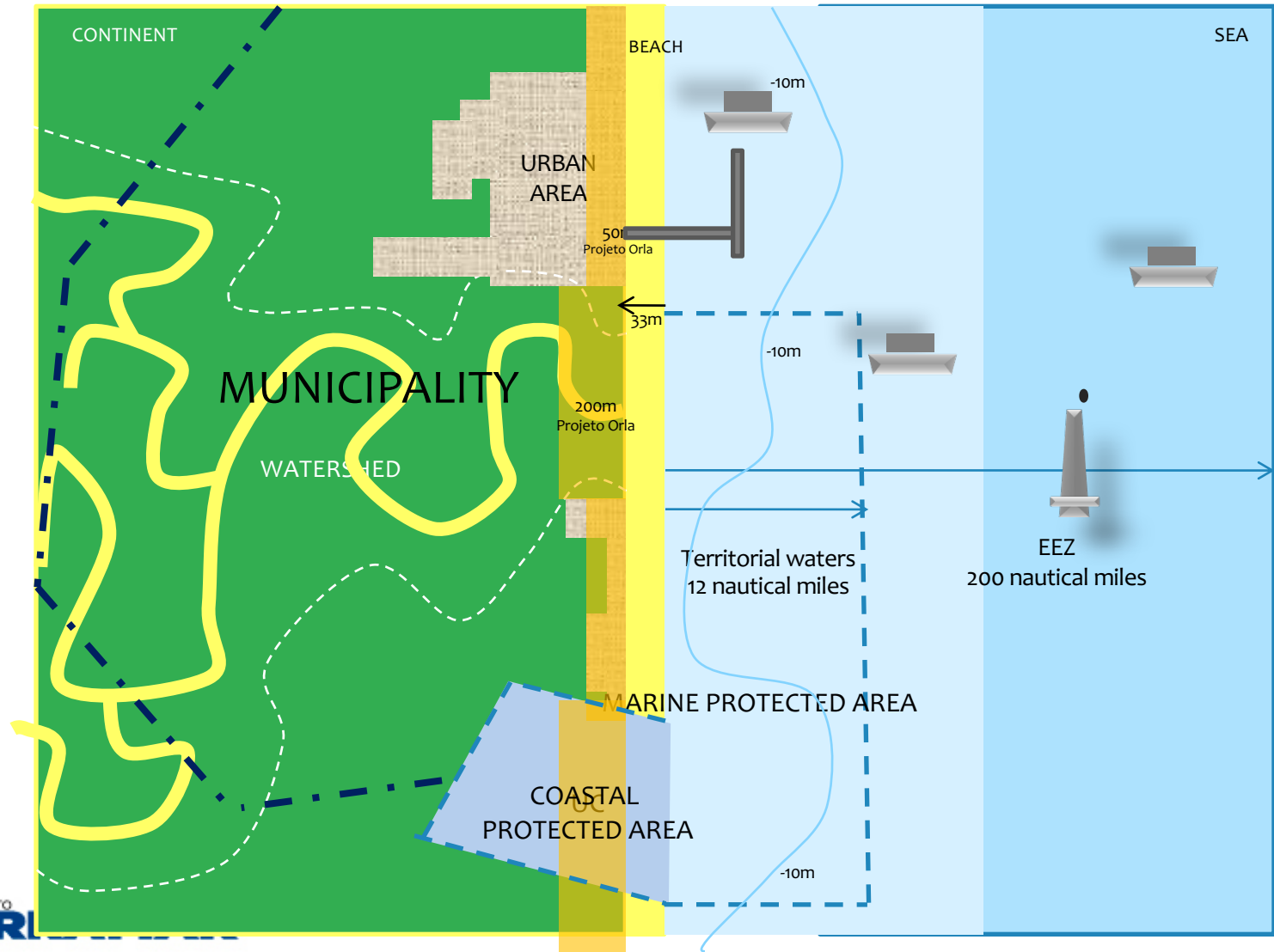
SEA

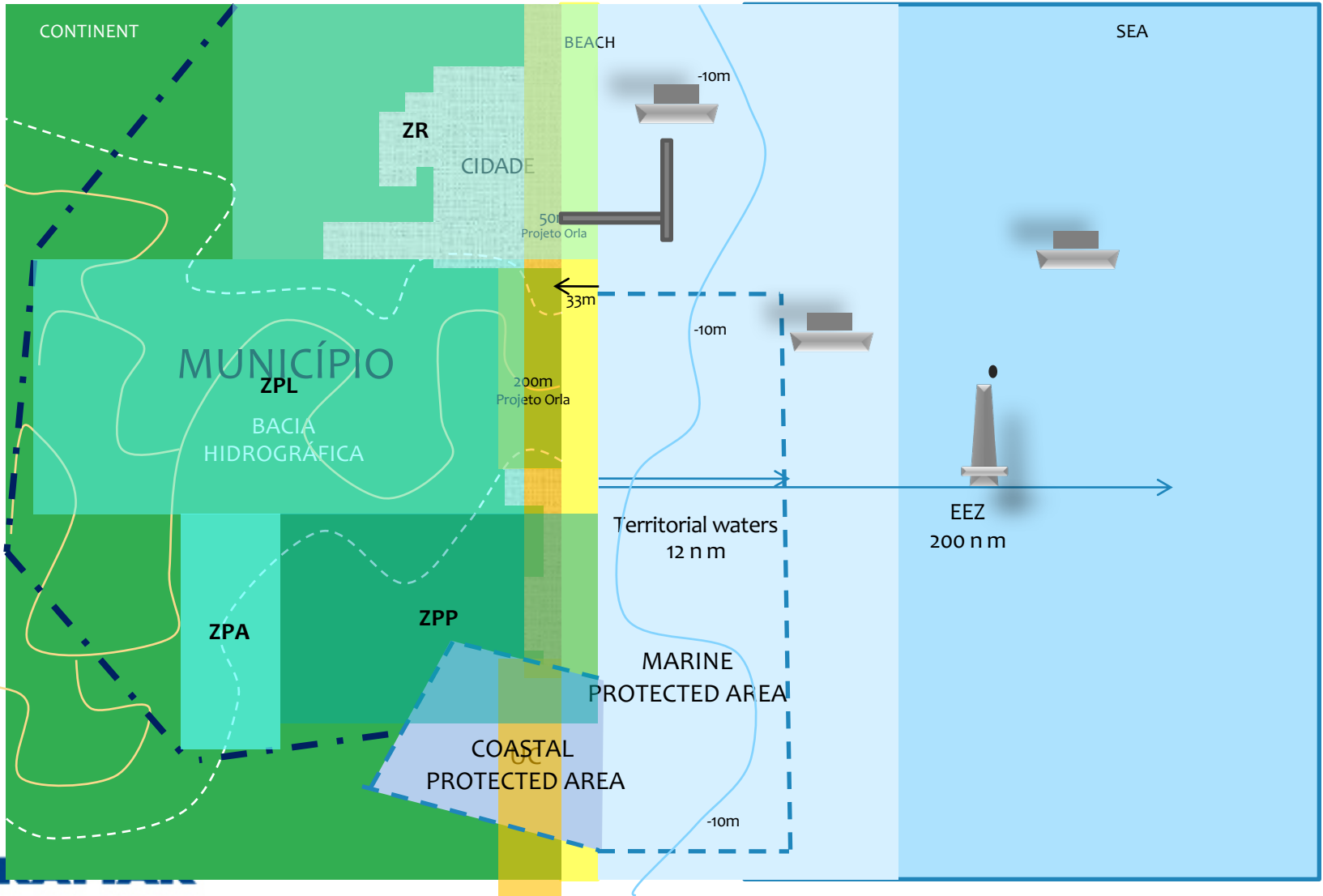
WATERSHED











COASTAL ECOLOGIC ECONOMIC ZONING

Z2

ZR

CIDADE

BEACH

-10m

SEA

50m
Projeto Orla

33m

-10m

200m
Projeto Orla

MUNICÍPIO

ZPL

BACIA
HIDROGRÁFICA

Territorial waters
12 n m

EEZ
200 n m

Z1

ZPA

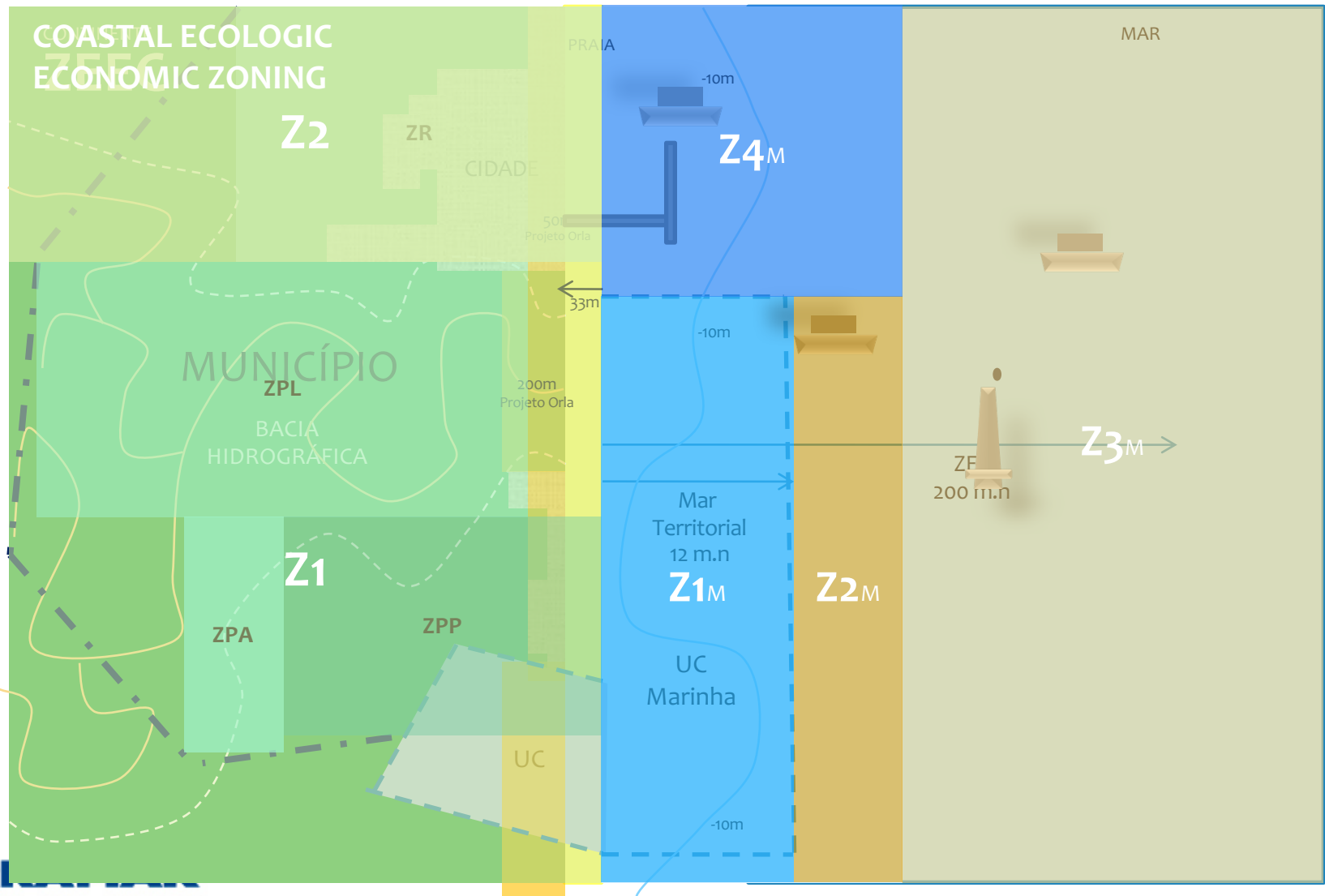
ZPP

MARINE
PROTECTED AREA

UC

-10m

COASTAL ECOLOGIC ECONOMIC ZONING



CONTINENTE
**COASTAL
ECOLOGIC
ECONOMIC
ZONING**

Z2



PRAIA

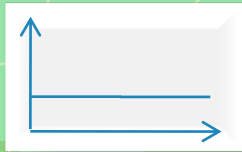
-10m

Z4_M



MAR

MUNICÍPIO
ZPL



33m

200m
Projeto Orla

-10m



Z3_M
ZEE
200 m.n

Z1

territorial
12 m.n
Z1_M

Z2_M

ZPA

ZPP

UC
Marinha



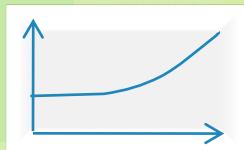
UC

-10m

CONTINENTE
**COASTAL
ECOLOGIC
ECONOMIC
ZONING**



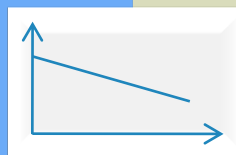
Z2



PRAIA

-10m

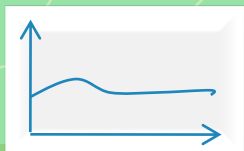
Z4_M



MAR



MUNICÍPIO
ZPL



200m
Projeto Orla

33m

-10m



ZEE
200 m.n

Z3_M

Z1

ZPA

ZPP

territorial
12 m.n
Z1_M

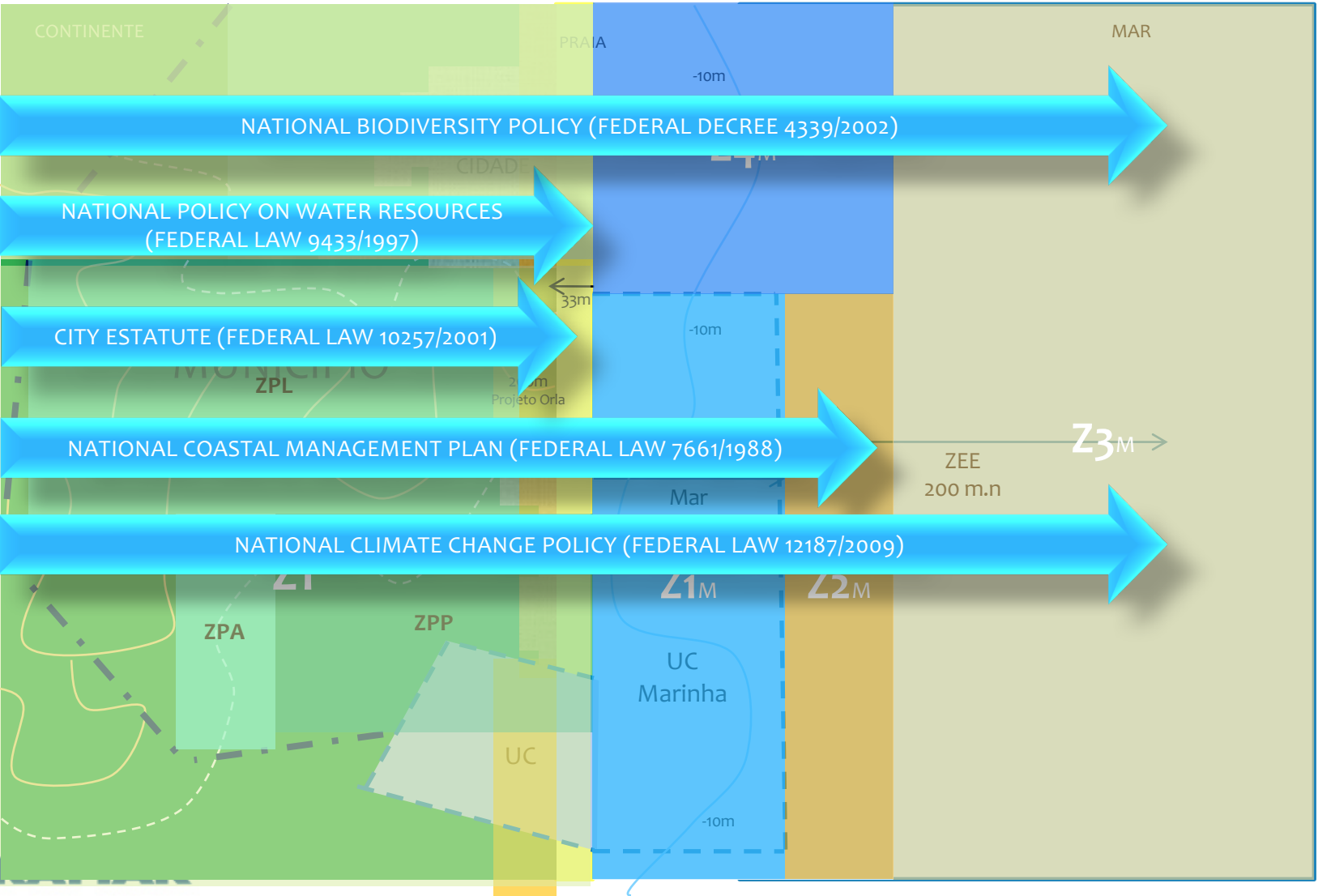
Z2_M

UC
Marinha



UC

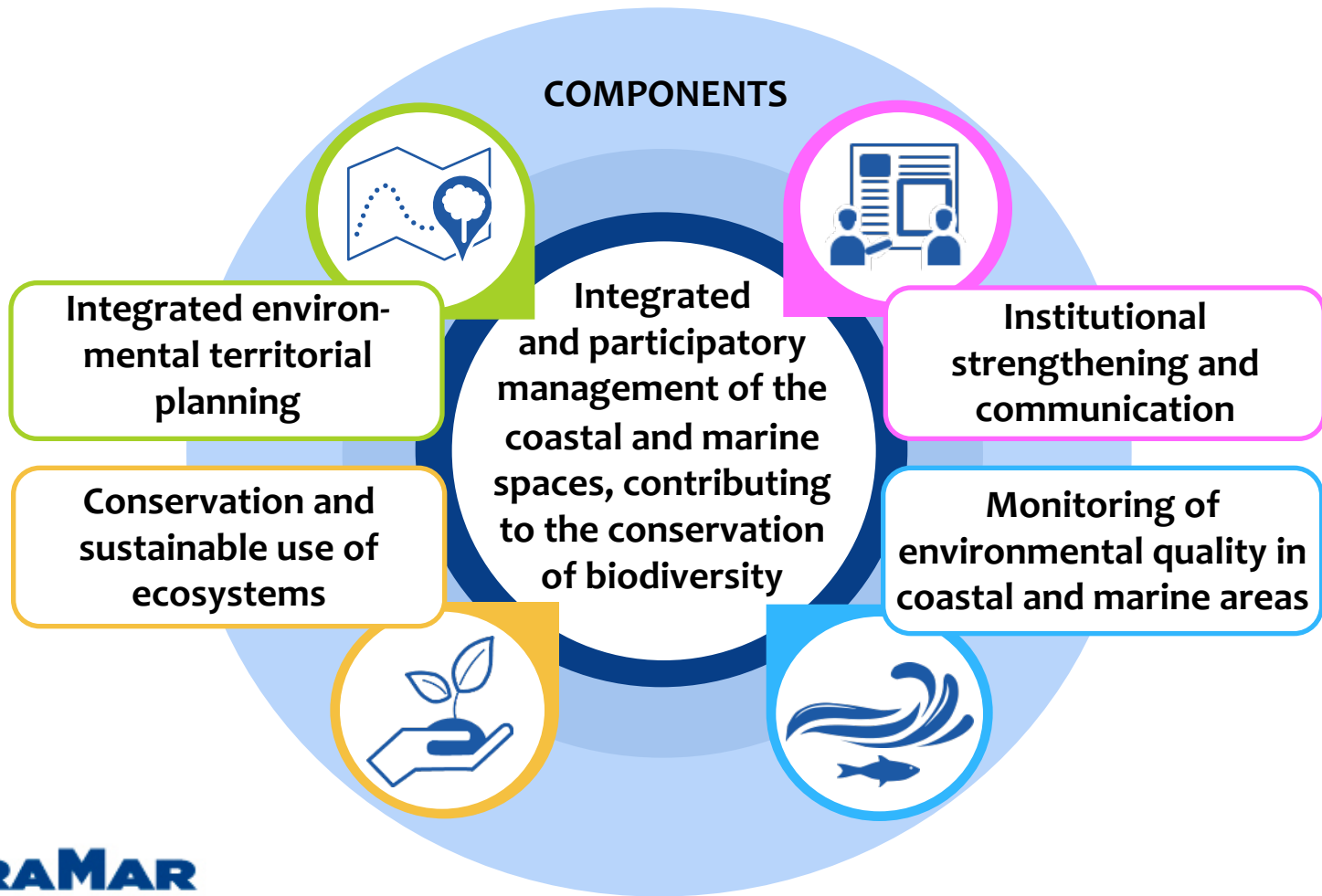
-10m



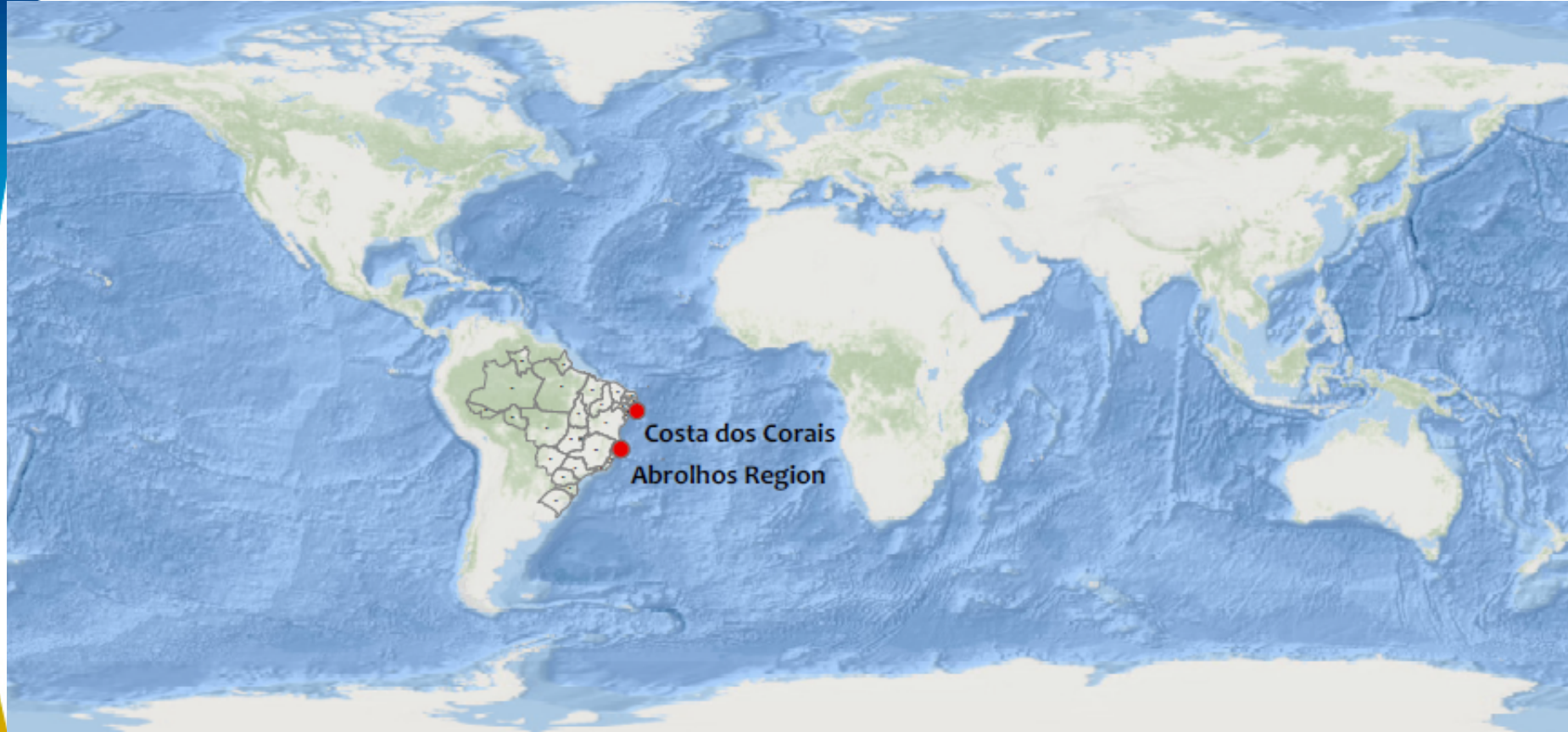
Main objective

To promote an integrated and participatory environmental territorial management of marine and continental spaces, contributing to biodiversity conservation.

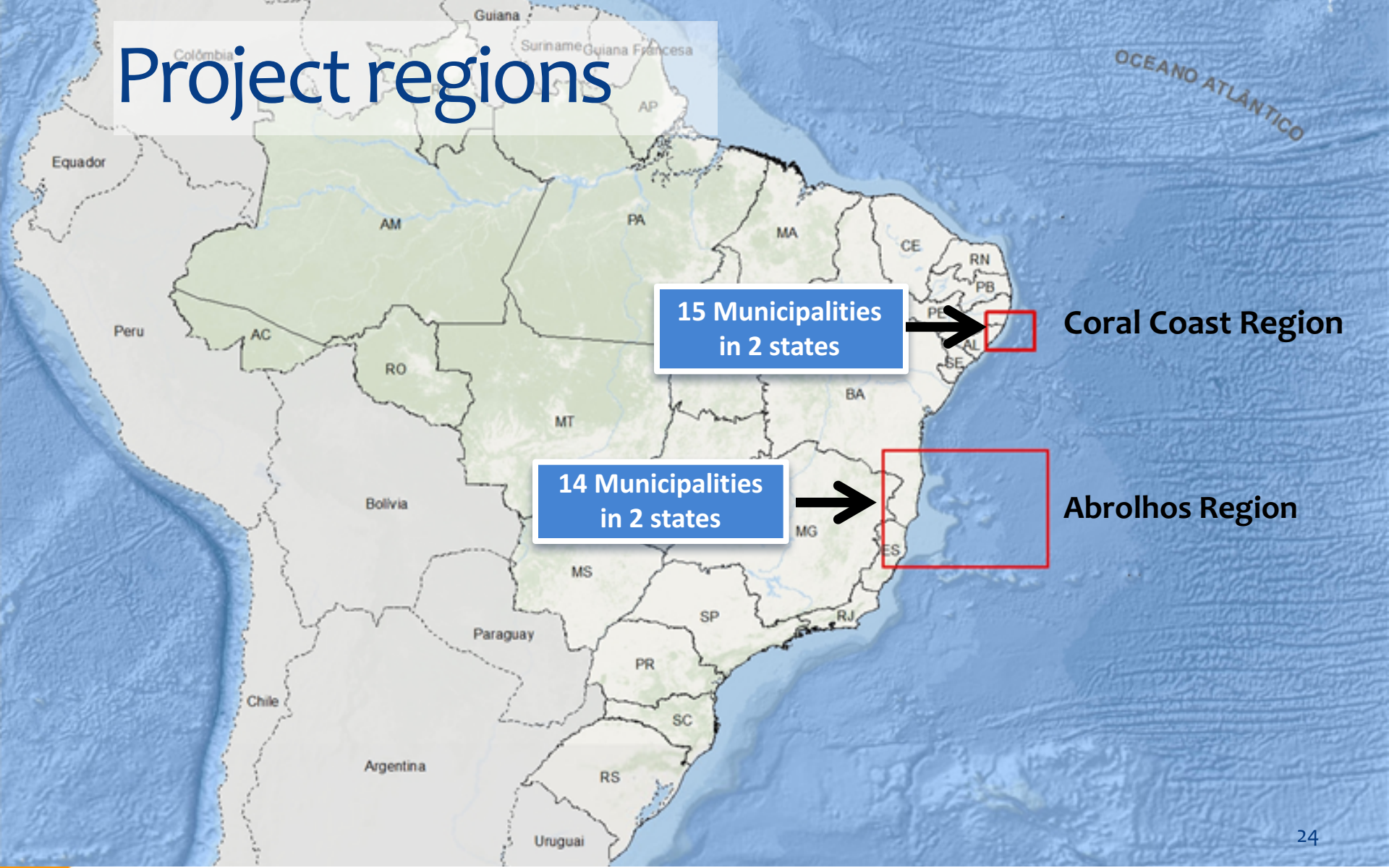
Project components



Project Regions



Project regions



15 Municipalities
in 2 states

Coral Coast Region

14 Municipalities
in 2 states

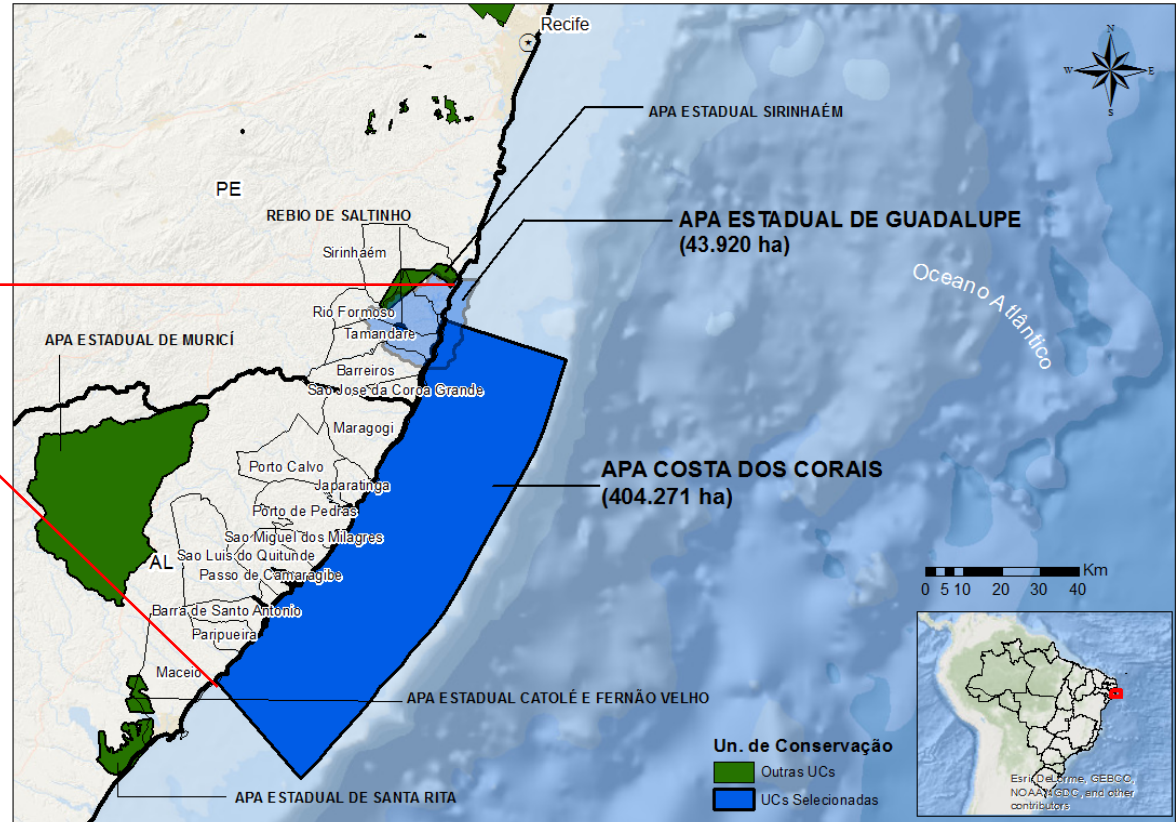
Abrolhos Region

Coral Coast Region

Coastline
~ 170 km

Coastal and
marine PA
~ 4 500 sq km

Federal Marine
Protected Area in
Brazil
(n. V in PA IUCN
Categories System)
to coral reef
conservation



Fonte: CNUC/MMA

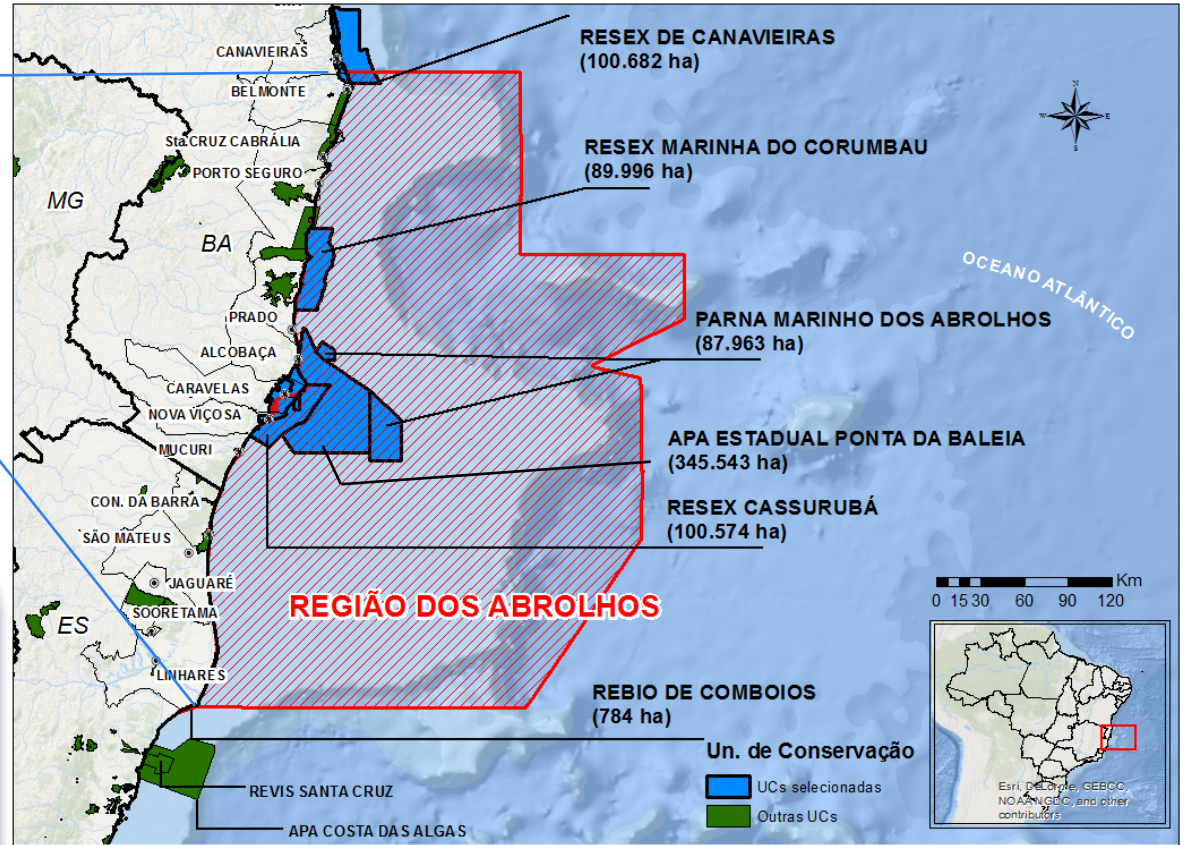
Abrolhos Region

Coastline
~ 550 km

Total Area
~ 92 000 sq km

6 Protected
Areas
~ 7 250 sq km

Abrolhos is home to the most important reef system in the South Atlantic with at least 20 different coral species, several of which are endemic in Brazil



Major Challenges

- Identifying how public policies interact in these territories;
- Understanding the critical factors and drivers that influence the territorial environmental management;
- Generating inputs to qualify decision making, considering the continent-sea relation;
- Improving the environmental layer in the territorial planning;
- Strengthening the territorial perspective in strategies of conservation and sustainable use of biodiversity.

Project Phases

1ª PHASE – (2016-2017)

Preparatory for the Management Pact

Collaborative diagnoses of the territories:

- Searching for inputs, data, and critical issues with experts, stakeholders, and local communities;
- Identifying and mobilizing local actors for training and capacity building.



2ª PHASE - (2018-2021)

Implementation of the Management Pact

Supporting ongoing and new actions to strengthen:

- Conservation and sustainable use of natural resources inside and outside protected areas, considering prioritized areas;
- Management of river basins integrated to coastal management;
- Systems of monitoring environmental quality on coastal and marine zones;
- Shared management on the federal, state and local levels;
- Capacity building and governance networks at the regional level.



Major Achievements

1- DIAGNOSIS (PARTICIPATORY APPROACH)

- Identification of the main effective **impacts** and **threats** to biodiversity conservation and connectivity land-sea in both coastal regions
- Identification of the main **governance structure** and **key-actors** over both regions;
- Identification of main **watersheds** on each region as essential elements to analyze relations between conservation in land and sea areas;
- Definition of **themes** for **management pacts: water resources, coastal zone management, and municipality environmental management;**
- Identification of the main **monitoring systems** for biodiversity and water resources, including lack of liable data on regional and local levels;

Discussion on Integrated Water Management

Brasília, 2018

During the event, the guests discussed the problems affecting the regions of Abrolhos and Costa dos Corais, pointing out challenges and suggesting recommendations for action. Among the concerns are the extreme events of severe drought or heavy rains, the consequences of pollution, silting of rivers, invasion of freshwater beds by the sea and effects of trampling and sediment on corals.



Photos: GIZ/Elisa Malta

Major Achievements

2- MOBILIZING STAKEHOLDERS

- Building up a **broad network of stakeholders** engaged to the project;
- Strengthening **traditional fishing** and artisanal fishers on both regions;
- Identification of key effective **networking groups** and **councils of public policies**;
- Supporting participative **zoning of nautical activities** at Rio Formoso mouth – **ZATAN** (Pernambuco)

ZATAN - Pilot initiative for participative zoning of nautical activities

Tamandaré, Rio Formoso, Sirinhaém, 2018

Over 100 representatives from local fishing communities, mussel producers, local tourism operators, academia, non-governmental organizations (NGOs) as well as environmental agencies gathered for workshops of a pilot initiative for participative environmental zoning of nautical activities for the Southern region of the State of Pernambuco, Brazil. The process is scheduled to conclude with a public audience to approve the proposal in March and first experiences of joint implementation by municipalities, State and Federal Government are expected in December 2019.



Photo: Domingos Luna

Foto: Domingos Luna



Photo: Flávia Cavalcanti - SEMAS/PE

Foto: Flávia Cavalcanti - SEMAS/PE

Major Achievements

3- CAPACITY BUILDING

- Implementation of **capacity building initiatives** for over **500** federal, regional, and local actors in:
 - MSP;
 - systematic conservation planning;
 - municipal environmental management;
 - biodiversity monitoring in coastal protected areas;
 - biodiversity action planning to threatened species;
 - sustainable traditional fisheries management in protected areas;

Blue Planning in Practice course

2017, Vilm

Promoted by the Project Blue Solutions (GIZ) on Vilm Island in the Baltic Sea. The objective of the course, which was attended by representatives of 11 countries – including 3 from the Brazilian Ministry of Environment and 1 from the Brazilian Navy, was to promote a practical learning about [marine spatial planning](#), using methodologies such as case studies and exchange of experiences.



Municipal Environmental Management Course

Semi-presential, with 3 face-to-face moments of the course, held in each of the regions, 2018

Initially, 30 local actors were trained to become tutors for the MMA on-line education platform. Of these, 19 were employed by the Coral Vivo Institut, which also supported the pedagogical coordination of the course. In all, **134 municipal environmental managers were trained.**

This activity covered actors from **32 municipalities** in both regions; The formation of **networks** of local environmental managers in the coastal area is under way;



Cursistas região dos Abrolhos



Cursistas região da Costa dos Corais

Photos: GIZ/Mariana Santos GIZ/Carla Rossitto

Municipal Environmental Management Course

TerraMar Binder – Content

Tailored content for municipal environmental management in coastal areas, as well as in collegiate public policy discussions related to municipal management, river basin management, or management of conservation units.



Chapter I – The TerraMar Project

Chapter II – Biodiversity in the Coastal Zone

Chapter III - Coastal Zone Management Instruments

Chapter IV - Challenges for coastal municipalities:

- 1 - Climate change
- 2 - Coastal Erosion
- 3 - Water Crisis
- 4 - Ecosystem Services
- 5 - Ecosystem-based adaptation (EBA)

Biodiversity Monitoring in Marine and Coastal Protected Areas

Caraíva/BA, June 2018

TerraMar supports the implementation of the coastal and marine component of the Program “Monitora“, the national biodiversity monitoring program for federal protected areas. The initiative established two regional collective learning sites that promote collaborative learning for biodiversity monitoring in protected areas, especially with regards to mangroves and fishing. The two sites, located in the region of Abrolhos and Costa dos Corais, bring together analysts from research centers, protected area managers and representatives from traditional fishing communities to plan and develop local, participatory monitoring strategies.



Sustainable traditional fisheries management in Protected Areas

Porto Seguro/BA, November 2018

Training workshop to elaborate sustainable fisheries management plans for traditional fishing communities in protected areas. Representatives from local fishing communities, from academia and research centers, from the MMA as well as protected area managers participated to learn about and exchange their experiences with sustainable fisheries management. The workshop generated a number of recommendations for improving processes for fishery management in protected areas at the national level.



Training on Systematic Conservation Planning

Brasilia, May 2018

TerraMar organised a training on Systematic Conservation Planning (SCP) for environmental analysts from MMA), the Environmental Agencies from the States of Pernambuco, Alagoas, Bahia and Espírito Santo, as well as from the federal protected area agency ICMBio. During the four-day course, participants were introduced to spatial planning tools to analyse information databases related to conservation costs and benefits under diverse scenarios of use and occupation of marine and coastal areas.



ENCOGerco

Event supported by the TerraMar Project

Florianópolis, 2018

The XI National Meeting on Coastal Management (ENCOGERCO) and II Brazilian Symposium on Sandy Beaches, held from October 15 to 19, in Florianópolis-SC, provided a space for technical and scientific debates on issues related to coastal management. The General Coordinator of Coastal Management of the Ministry of the Environment, Regis Pinto, participated in the event and spoke about management in the coastal zone, focusing on risks and environmental quality.



Major Achievements

4- COMMUNICATION

- Building up **communication structure** to spread actions over the project regions promoting synergy among the stakeholders;
- Remodeling and launching on national and local levels a **public campaign for conscientious behavior on reef and beaches areas**

Campaign for responsible conduct in beaches and reef areas

2018

The campaign aims to inform tourists, beach goers, conservation units and environments with occurrence of coral reefs on the importance of conservation of these areas. The idea is to encourage responsible practices during recreational and leisure activities. In addition, the campaign aims to inform tourism guides and environmental agents, in the states and municipalities, about responsible tourism.

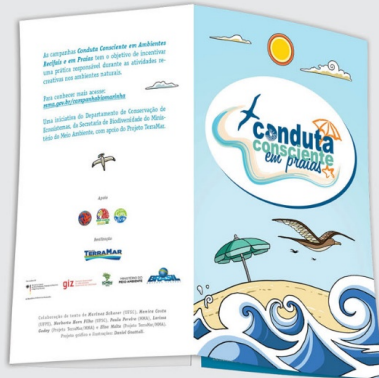


Campaign for responsible conduct in beaches and reef areas

2018

Developed in 2001 by the Secretariat of Biodiversity, and updated in 2018, in partnership with the TerraMar Project, the campaign has publicity materials such as posters, folder, videos and a manual with information about coral reefs, which can be accessed on the campaign website.

www.mma.gov.br/campanhabinarina



Campaign for responsible conduct in beaches

Não alimente os peixes, isso prejudica a saúde dos animais do mar



www.mma.gov.br/campanhahiomarinha

PROJETO **TERRAMAR**



Contribua com a limpeza das praias. Nunca jogue lixo na areia e no mar! Recolha o seu lixo e deposite-o em local apropriado.



Não colete nada. Leve da praia somente memórias e fotografias.



Não leve animais para a praia. Eles podem contaminar a areia e a água.



Valorize nossas áreas protegidas e respeite as comunidades locais. Sua visita contribui para a conservação da natureza.



Restos de cigarras são grandes poluidores das areias das praias. Jogue-os no lixo.



Observe as regras de segurança na navegação. Mantenha distância mínima de 200 metros da praia e dos banhistas.



Proteja a vegetação de restinga. Evite pisar nas plantas e utilize os acessos demarcados.



Não transite com veículos motorizados na praia. Observe as regras locais quanto à circulação de veículos.



Respeite os períodos de reprodução de espécies pesqueiras. Seja um consumidor consciente! Não consuma pescados que estejam no período de defeso ou com tamanho inferior ao permitido.



Contribua com a conservação da fauna marinha. Não mexa nos ninhos de tartarugas identificadas na praia.



Reduza o uso de plástico no seu dia a dia. Lembre-se que plásticos descartados indevidamente vão parar no mar e podem causar a morte de animais marinhos.



SIGA>
as
condutas!
Bom para a NATUREZA, bom para você!

Para conhecer mais acesse: mma.gov.br/campanhahiomarinha



As artes da campanha são assinadas por DANIEL QUATTALI

TerraMar in numbers

- About 1300 people mobilized;
- Over 500 people trained;
- 52 workshops;
- 5 supported publications.

Projeto TerraMar

Department of Environmental Territorial Management
Secretariat of Environmental Quality
Ministry of the Environment/Brazil

www.mma.gov.br/gestao-territorial/projeto-terramar

Contact: projeto.terramar@mma.gov.br



Facebook.com/RedeTerraMar



projeto.terramar@mma.gov.br



Por ordem do



Ministério Federal
do Meio Ambiente, Proteção da Natureza
e Segurança Nuclear

Por meio da:



Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



MINISTÉRIO DO
MEIO AMBIENTE

