



# NETBIOME-CSA

STRENGTHENING EUROPEAN RESEARCH COOPERATION FOR SMART  
AND SUSTAINABLE MANAGEMENT OF TROPICAL AND SUBTROPICAL BIODIVERSITY  
IN OUTERMOST REGIONS AND OVERSEAS COUNTRIES AND TERRITORIES

## Stakeholder-driven definition of policy recommendations and research priorities

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### Boosting Biodiversity Research Cooperation

A NetBiome Roadmap for European (sub)Tropical Overseas

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# The players

- Priorities rooted in local societal needs
- Consultation beyond scientific community (economic sector, policy makers, civil society)
- Caribbean, Macaronesia, Continental Europe, Indian Ocean, Pacific





# The outputs

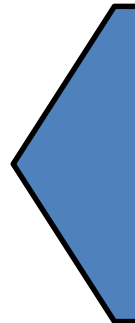
**Policy recommendations** important to address the common challenges

SPATIAL PLANNING

ADAPTED REGULATIONS

ECOSYSTEM-BASED MANAGEMENT

BIODIVERSITY INDICATORS



**Priorities for joint research actions** to improve knowledge and practices ...

PARTICIPATION

ECOLOGICAL LIMITS

ASSESSMENT AND VALUATION

CLIMATE CHANGE

Address the **common challenges for the management of biodiversity supporting sustainable development**



# The outputs:

## – Policy recommendations



# The outputs

## – Policy recommendations

### Adopt a more coherent approach to spatial planning, accounting for ecological and societal considerations

Long term  
(biodiversity  
and climate  
change)

vs

Short term  
(economic  
and social)



*Cross-sectors*

*Scenario in Env.  
assessment analysis*

*Participation in  
decision-making*

*Services of  
ecosystems*

# The outputs

## – Policy recommendations

### Adapt international legislation to national/regional context

Context-specific needs and practices

Give voice to local stakeholders

Contextualized implementation



*Ad hoc regional forums*

*Capacities for regional adaptation*

*Shared practices and behavioral changes (Access and Benefit Sharing)*



# The outputs

## – Policy recommendations

### Promote more efficient and sustainable usage of natural resources

Enhance local genetic diversity and ecological interactions

Circular & bio economy: improve efficiency and savings, reduce imports



*Incentives*

*Sharing practices*

*Adaptive approach*

*Optimized production systems*



# The outputs

## – Policy recommendations

### Put ecosystem-based management principles into practice

Consider full array of interactions within an ecosystem

Define appropriate planning and management units



*Consensus on objectives*

*Define management units*

*Set indicators, thresholds and assessment*

*Adaptive approach*

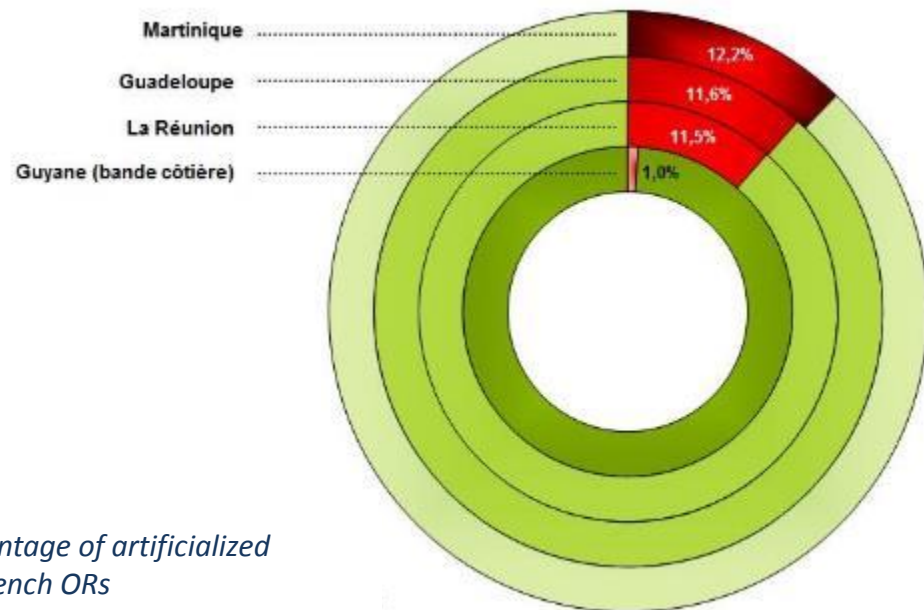
# The outputs

## – Policy recommendations

### Establish Biodiversity indicators specific for EU Overseas

No adequate monitoring of EU Overseas biodiversity and dedicated policies and funds

Use suitable indicators and scale of monitoring



*Fig: Percentage of artificialized land in French ORs (French Biodiversity Strategy)*

# The outputs:

## – Priorities for research cooperation



# The outputs

## – Priorities for research coop.

### Improve tools for effective participation in biodiversity management

Integrate various interests/  
perceptions

Cope with uncertainties

Adapt decisions to new realities

Make collective decision



*Influence of social systems on perceptions and management efficiency*

*Comparative analysis*

*Develop and test participatory methods*

# The outputs

## – Priorities for research coop.

### Predict effects of climate change on natural resource use

Effects on species and ecosystem undermine food security

Crucial need of local and regional adaptation strategies for use of natural resources



*Downscaling climate models*

*Potential of local genetic diversity for production systems*

*Impact of direct and indirect effects of CC on ecosystems and socio-economic activities*

# The outputs

## – Priorities for research coop.

### Increase the consideration of biodiversity and ecosystem services in environmental assessment and valuation methods

Economies relies on natural capital

Difficult integration of ecosystem services in decision making and assessments



*Indicators beyond monetary estimates*

*Functional assessment at landscape/seascape scales*

*Evaluate effectiveness and improve AMC schemes*

# The outputs

## – Priorities for research coop.

### Map ecological limits to extractive activities

Cope with ecosystem complexity and interactions

Guide management decisions on limits to extractive activities



*Models and scenarios for optimizing sustainable extraction from multiple trophic levels*

*Identify resilience thresholds indicators and value*

## To put the recommendations into actions

- Use existing funding mechanisms for joint actions
  - Joint call with ERA (BiodivERsA 3)
  - Others
  - + Support of local governments
  
- Nurture the brainstorming / maintain the network
  - Overseas voices on important subjects
  - Wide basis of expertise & partnerships
  - Concrete exchange of practices and experience

