Stakeholder-driven definition of policy recommendations and research priorities

Pablo Chavance
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 process

- 4 challenges: foundation and outline for knowledge exchange
- August 2013 - March 2016
- 4 stages - 199 contributors
The outputs

Policy recommendations important to address the common challenges

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

SPATIAL PLANNING

ADAPTED REGULATIONS

ECOSYSTEM-BASED MANAGEMENT

BIODIVERSITY INDICATORS

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
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

Boosting Biodiversity Research Cooperation
A NetBiome Roadmap for European (sub)Tropical Overseas
6 April 2016, European Parliament, Brussels
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

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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.

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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
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

The outputs – Priorities for research coop.

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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