

Stakeholder engagement in biodiversity research – an overview



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Outline of the presentation

1. Science-stakeholder interfaces

- i. Who were the stakeholders involved?**
- ii. What did stakeholders contribute?**
- iii. Impacts of stakeholder engagement on:**
 - Policy**
 - Society**
 - Science**

2. Individual and collective needs

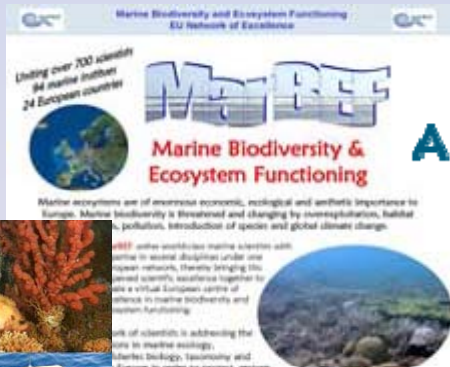
- i. Strategy of dialogue**
- ii. Matrix of needs**
- iii. SCALES project**

3. What I have learned from stakeholder engagement

1. Science-stakeholder interfaces

Overview of the practices of stakeholder engagement in European biodiversity research

38 EU-funded biodiversity research projects from the 6th FP



Minimisation of and **A**daptation to **C**limate change **I**mpacts on biodiversity

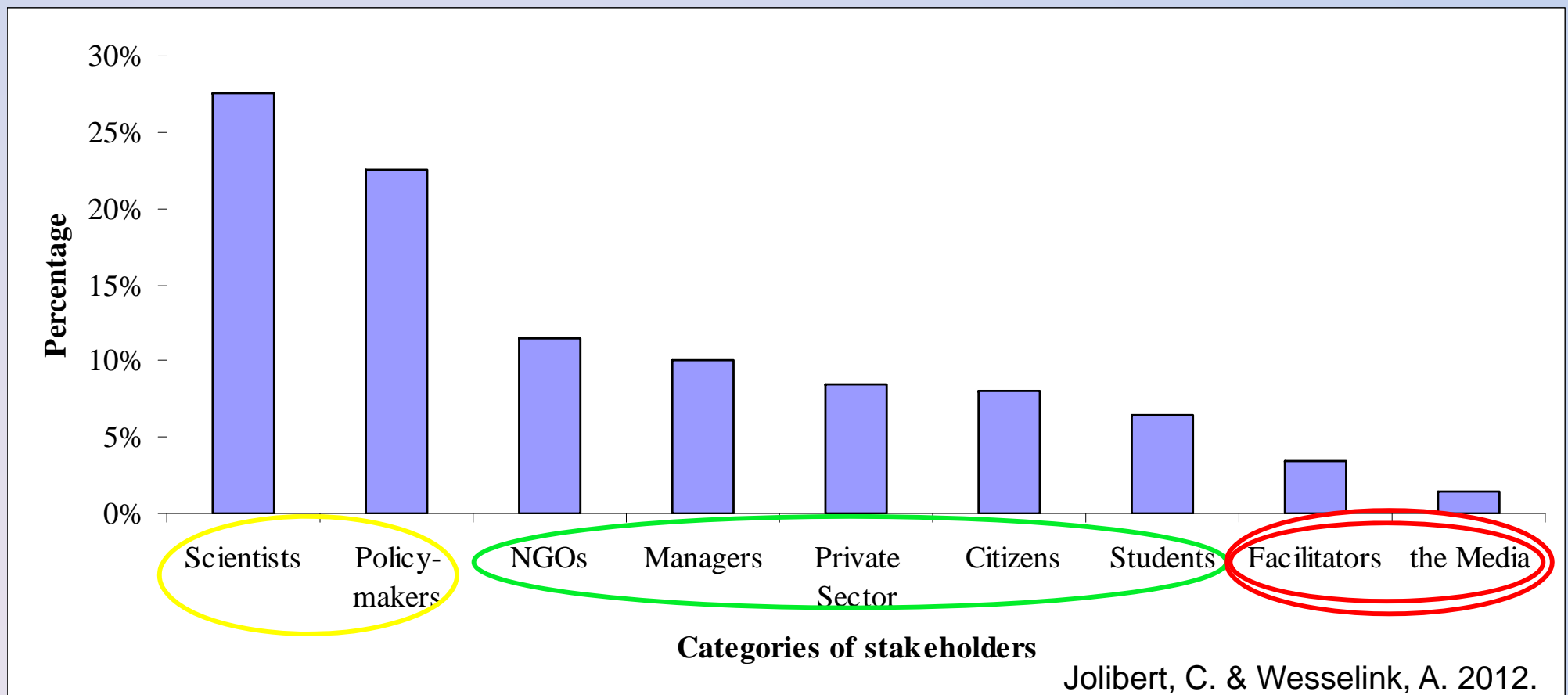
Research impacts and impact on research in biodiversity conservation: Influence of Stakeholder Engagement. Jolibert, C. & Wesselink, A. 2012. Env Sc & Policy 22: 100–111



1. Science-stakeholder interfaces

i. Who were the stakeholders involved?

Categories of stakeholders (in percentage) presents on the totality of the biodiversity research projects



1. Science-stakeholder interfaces

ii. What did stakeholders contribute?

Categories of stakeholder involved by type of contribution

	Scientist	Policy-maker	NGO	Citizen	Manager	Student	Private Sector	Facilitator	The Media
Research design	++++	++++	+++	++	++	++	++	+	0
Prediction/Modelling	++	++	+	+	+	+	?	0	0
Data collection	+	?	+	+	+	?	0	0	0
Implementation/Commercialising	++	++	+	+	+	+	++	0	0
Networking	+++	++	++	++	++	++	+	+	?
Training	++	++	+	+	+	+	+	+	0
Dissemination	+++	++	++	++	++	+	+	+	+

Legend:

++++: [25-35] stakeholders; +++: [15-24] stakeholders; ++: [5-14] stakeholders; +: [1-4] stakeholders; 0: no involvement of stakeholders; ?: no information for this contribution

1. Science-stakeholder interfaces

iii. Impacts of stakeholder engagement on:

□ Policy

➤ Formulation or implementation of **relevant EU policies** and the **dissemination** of policy-related knowledge

✓ HERMES

- Europe's deep marine ecosystems
- Natura 2000 implementation strategies in the offshore area, the debate on the EU maritime policy
- engaged with **key policy-makers, industry, NGOs, media, facilitator**



- **4 mechanisms of dissemination:**
 - Science-Policy Panel
 - Science Implementation Panel
 - ad hoc meetings
 - scientist/stakeholder partnerships

1. Science-stakeholder interfaces

iii. Impacts of stakeholder engagement on:

□ Society

➤ interpersonal connections, dissemination of knowledge related to society, or economic impacts

✓ Networking:

- **Edit, MarBEF, MACIS, EuMon** principally through the **EPBRS, meeting & e-conferences** twice a year since 1999

✓ Dissemination:

- **ALARM, Exocet/D, SESAME**, the **media** to communicate about biodiversity to the public

✓ Transfer of technologies:

- **Faceit**, involved **SMEs** to help commercialize tests for monitoring biological pollutants
- **Probioprise** created an **European platform** for SMEs to develop a research program



1. Science-stakeholder interfaces

iii. Impacts of stakeholder engagement on:

☐ Science

➤ Interdisciplinarity, dissemination, opportunities for further projects

✓ **ALARM:**

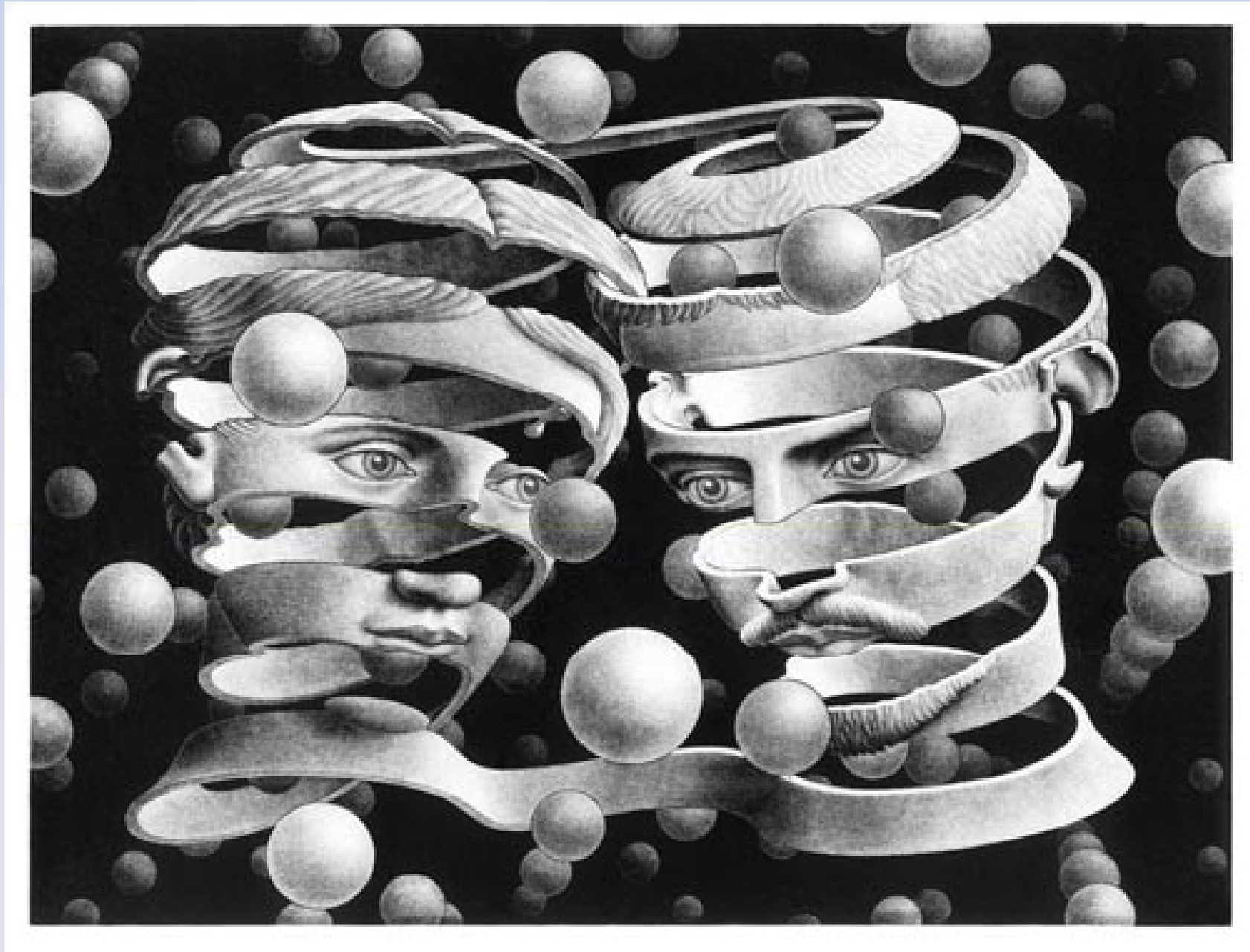
- important interdisciplinary network, large panel of scientists
- 620 publications: Science (6 publications), Nature (8), Environmental Science & Policy (3), Journal of Biogeography (8), Atmospheric Environment (2), American Journal of Botany (2), etc

✓ **7 projects continued their activity** (long term)

- different format
- Alter-Net now continues as a consortium
- MARBEF now virtual center EMBEF



2. Individual and collective needs



Bond of Union 1956, lithograph, 25.3 x 33.9 cm Escher, double portrait

2. Individual and collective needs

i. Strategy of dialogue

Different strategies...

- ✓ **Strategy of the 'fait accompli' = that's it!**
- ✓ **'Convincing' strategy = my project, my results are the best**
- ✓ **Strategy of dialogue = need for understanding**

Dialogue strategy promotes needs satisfaction

Satisfaction of individual and collective needs for:

- ✓ **mutual understanding**
- ✓ **a better quality and relevance of results**
- ✓ **social acceptance and ownership of the project, outputs**
- ✓ **funding or resources for the research**
- ✓ **better policies, etc...**

2. Individual and collective needs

ii. Matrix of needs

The matrix of needs, developed by Manfred Max-Neef, in three contexts:

- ✓ To identify **human and non-human needs** to analyze an environmental conflict in South Portugal, during the FRAP project
 - *Jolibert C., Max-Neef M., Rauschmayer F., Paavola J., 2011. Env Pol and Gov*

- ✓ To identify **local stakeholders needs** to improve regional planning and scenario building within the EcoChange project (SERI in Vienna)
 - *Jolibert C., Paavola J., Rauschmayer F., Dendoncker N., 2013. Env Values*

- ✓ To identify **scientists needs** to improve science-policy interface in the SCALES (Securing the Conservation of biodiversity accross Administrative Levels, spatial, temporal & Ecological Scales) project

**Stakeholder engagement within SCALES
Questionnaire for SCALES partners**

Partners	Contact	Stakeholders	Level	Type of interaction	Stakeholder needs	Yours needs	Stakeholders Contacts - SCALES	Comment/ suggestions
Partner 1 WP6	part1@gmail.com	WWF-Greece (NGO)	National	Expert advice & contribution to case studies & databases	New databases & recognition of basic biodiversity pressures &	Field knowledge on habitats and species & expert advices &		
		ARCHELON (NGO)	National	Expert advice & contribution to case studies & databases	New databases & recognition of basic biodiversity pressures &	Field knowledge on habitats and species & expert advices &		
Partner 2 WP3	part2@gmail.com	DIREN (Midi pyrénées, NGO's)	Sub National Local & Regional	one way information stream	Administrative tasks, better understand science	rules	We have contacts on regional levels which are key from local to regional decisions. List possible, let us know if interested.	
		LANA	Regional	informal meetings	science-policy dialogue	knowledge		
		National Park Haute pyrénées		case studies	public awareness	of local environment		
		NP Cevennes		case studies				
Partner 3 WP6	part3@gmail.com	Indeterminate key EU level policy-makers	Community level	Interviews/ informal meetings	Science knowledge that can be used/comunicated clearly to drive forward bd	Honest opinions on what the problems are/ how to improve	IEEP (EU-level institute, links to EU level actors	Carefully look into the current EU policy processes and see
		Key people responsible of implementing EU	National/ Regional	Interviews	As above + How to better use EU instruments to support national bd			
Partner 4 WP1	partner4@gmail.com	IUCN Mr. N	Subnational	Expert advise	Global Conservation policy	To spread our results and keep best requirements	Representatives of the German Federal Agency of Nature Conservation	From ALARM, I would say that something like a consultative forum on science-policy issues might be good (members from different countries involved in these issues could give you one list as an example)
		DG Environment - Mrs. J	Community level	Dissemination of outcome		To get access to info EC meetings		
		WWF - Mr. P	International	Expert advise	Global Conservation policy	To see our results meet expectations		

3. What I have learned from stakeholder engagement

- ✓ **Small number of projects** engaged with stakeholders to do **policy-oriented research**
 - but in these cases **research impacts on policies**: evident, real, productive
 - **many projects** missed opportunities to support policy making because of **poor communication**

- ✓ **The basis for dialogue**
 - **start from individual needs** (or interests)
 - **look for win-win solutions**
 - **selection and validation of collective solutions**

- ✓ **Constant iteration between research progress / strategies / needs** during the entire lifetime of the project

Thank you



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