

Mobilisation and Mutual Learning Workshop

Discuss, Explore, Propose, Network

Café Aliança | 21st January 2017 | Faro, Algarve, Portugal

Sun, Sand... and Safety! *How long will we have beaches?*



For any information: tiago.garcia@eurocean.org

Workshop Programme

Time	Activity	Details	Duration
12:00-12:15	Welcoming and registration of participants.	Includes filling the informed consent form.	15 min
12:15-13:00	Lunch		45 min
13:00-13:15	Introduction to MARINA and RRI followed by details on the workshop programme, its objectives and does a World Café works.	By Tiago Garcia (EurOcean). Includes details on the MARINA WKSP and on the project steps after the workshop.	15 min
13:15-13:25	What is coastal erosion and how fast is the sea level rising?	Presentation by Ana Rita Carrasco (University of Algarve)	10 min
13:25-13:35	How will eroding beaches impact the Sun & Sand tourism and the regional economy?	Presentation by Luísa Bon de Sousa (Civil Society)	10 min
13:35-13:45	The development strategy of the Algarve, the most touristic region of Portugal.	Presentation by Francisco Serra (CCDR Algarve)	10 min
13:45-14:00	World Café 1 st round	Five moderated tables. Each table is dedicated to one of the hot topic challenges: <ul style="list-style-type: none"> - Environmental - Social - Cultural - Economical - Political Participants rotate around tables. Each participant will pass through each table by the end of the fifth round.	15 min
14:00-14:15	World Café 2 nd round		15 min
14:15-14:30	World Café 3 rd round		15 min
14:30-14:45	World Café 4 th round		15 min
14:45-15:00	World Café 5 th round		15 min
15:00-15:20	Coffee Break	Moderators prepare voting panels.	20 min
15:20-15:35	Voting	Each participant votes on his/hers favourite idea of each challenge and has two additional votes to use at will.	15 min
15:35-16:05	Debate	Focused on the most voted ideas and aiming to the elaboration of a collective roadmap.	30 min
16:05-16:30	Event closure	Includes filling of the participants questionnaire.	25 min

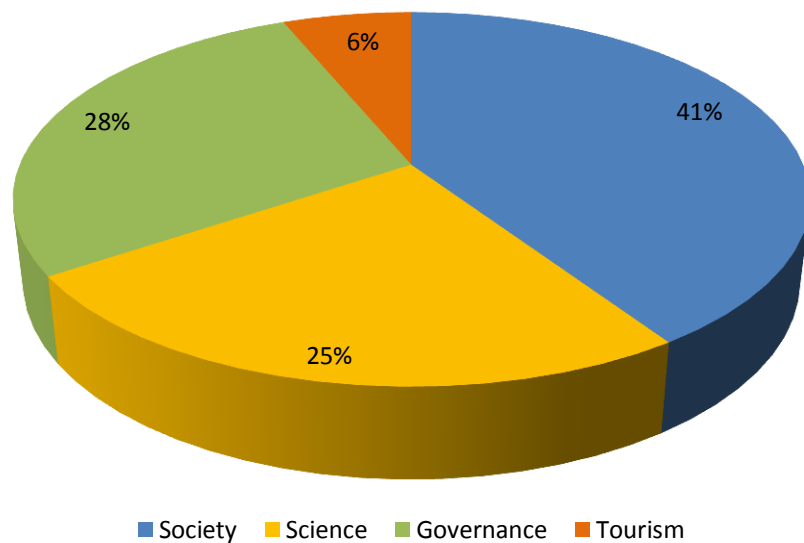
Introduction to the triggering question

Monday, 6th January 2014. Hercules storm is on its way to the coasts of Europe. Potential record-size waves, gale force winds and huge storm surge are forecasted. The morning after shows once again how serious coastal erosion is in Portugal. Nearly 85% of the country's GDP is generated within 60 km from the coast. Tourism is one of the most important economic activities. In 2013, nearly 14 million tourists came to Portugal mostly for its Sun & Sand offer. **As beaches shrink and tourism increases, a new vision for the coastal zone is needed.** Safe beaches must be assured for those who live, work or spent leisure time by the coast in a sea level rise context.

Sun, Sand... and Safety! How long will we have beaches?

(and how can researchers, citizens, entrepreneurs and policy makers contribute?)

Participants



32 Stakeholders
20 Women
12 Men
31 Portuguese
1 Irish

TOWARDS
GENDER
EQUALITY

5 Reside outside the Algarve region

Moderators

5 women with experience on
World Café moderation



TAVIRA
CENTRO CIÊNCIA VIVA

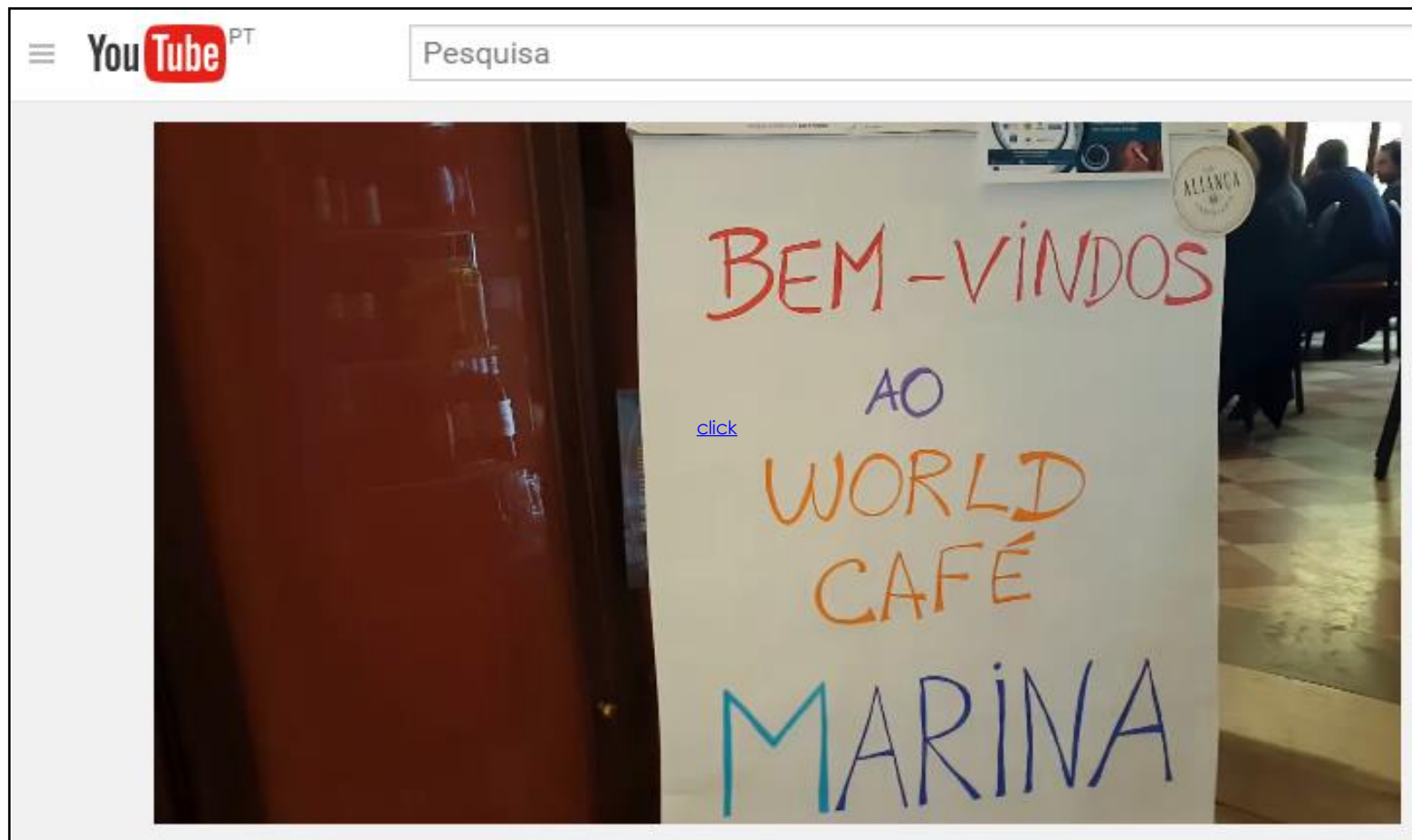
centro
ciência viva
do algarve



CIÊNCIA
VIVA
LAGOS
SCIENCE CENTRE

eur@cean

A glimpse on what took place in Faro



Full lists of actions suggested by participants and results after voting

ENVIRONMENTAL CHALLENGE

What are the best solutions to manage coastal erosion and sea level rise?

	Action	Votes
1	Plan local actions in agreement with its local circumstances instead of promoting larger-scale policies	10
2	Demolish human occupation in coastal areas at risk	8
3	Opt for “build-with-nature” soft engineering instead of hard engineering actions	7
4	Improve science literacy and research applicability to increase awareness on coastal risk situations	6
5	Apply artificial beach nourishment	5
6	Promote research on the estimation of the carrying capacity of beaches	2
7	Promote research on coastal dynamics and the impacts of management actions on ecosystems	2
8	Opt for relocation of human settlements to adapt to sea level rise	2
9	Better articulation between research centres and governance institutions	1
10	Follow a river-basin approach in order to manage the coastal zone	1
11	Preserve coastal cliffs and dunes	1
12	Promote research on the economic value of the coast	1
13	Charge a beach usage tax	1
14	Redefine occupation limits with new set-back lines in agreement with coastal erosion and sea level rise	0
15	Promote citizenship research	0
16	Map all the stakeholders associated to coastal zone management	0
17	Promote research on impacts of climate change on the coast	0
18	Run comprehensive inspection on accidents and identify those who were negligent	0
19	Adapt the nation transports policies within the context of sea level rise	0
20	Create policies that contribute to the growth of alternative forms of tourism	0

POLITICAL CHALLENGE

How can the national strategies for coastal zone management and tourism be improved and adapted to a sea level rise context?

	Action	Votes
1	Include key local stakeholders in the planning and implementation of local strategies	11
2	Adapt local strategies to be in agreement with research outcomes	7
3	Larger integration of sectorial policies and clearer definition of priorities	6
4	Prioritize environmental protection actions and tourism qualification actions	4
5	Dissociate the term of coastal zone management and tourism plans from electoral cycles terms	2
6	Include research outcomes in the process of identification of key actions	1
7	Better articulation between institutions responsible for the coastal zone management	1
8	Better articulation between research centres and governance institutions	1
9	Improve social consciousness	1
10	Improve consciousness of policy makers at local level	1
11	Create spatial planning regulations in agreement with research outcomes	1
12	Create simple clearer legislation	0
13	Simplify the organizational net of institutions dealing with coastal zone management and tourism	0
14	Increase the national budget for actions associated with coastal zone management and tourism	0
15	Promote alliances and partnerships at local/regional level aiming at getting access to European funds	0
16	Adopt a long-term approach in the planning of coastal zone management and tourism policies	0
17	Ensure the implementation of new and on-going policies	0
18	Permanent monitoring of the actions taken	0
19	Create policies that defend the public interest in detriment of private ones	0
20	Create policies that contribute to the growth of alternative forms of tourism	0

Full lists of actions suggested by participants and results after voting

CULTURAL CHALLENGE

How to make sure that all beach users (residents and tourists) are fully aware of the beach hazards, respect the warnings and avoid risks?

	Action	Votes
1	More education on citizenship, sustainability and ecology on schools	8
2	Convert risk into knowledge including economic and social dimensions	8
3	Produce documentaries targeting specific audiences	4
4	Promote citizen science to involve the general public on research	4
5	Use smartphone apps and social networks to disseminate knowledge and warnings	2
6	Use art to educate the general public	2
7	Involve celebrities to raise awareness	2
8	Promote information campaigns in airports, train stations, restaurants and hotels	2
9	Produce Theatre of the Oppressed plays focused on the issue	1
10	Create the title of Beach Ambassadors and have them promote risk awareness	1
11	Promote training of the tourism agents	1
12	More posters, flyers and signs with warnings and safety tips	0
13	Events for elder people	0
14	Definition of a ranking of safe beaches	0
15	Include warnings and safety tips on tickets to touristic attractions	0
16	Create flash mobs to raise awareness	0
17	Promote 100% safe touristic attractions	0
18	Promote campaigns to plant vegetation over dunes	0
19	Characterize beach users	0
20	Use the social media to raise awareness	0
21	Raise awareness in direct contact with beach users at the beach	0
22	Have the people selling food, drinks, towels and apparel at the beach to distribute flyers	0
23	Apply fees and penalties	0

ECONOMICAL CHALLENGE

Which alternative touristic forms can be promoted in order to develop non beach related tourism?

	Action	Votes
1	Promote creative tourism including participative local experiences	10
2	Promote nature tourism	4
3	Create the title of natural museums and promote tourism around them	3
4	Promote scientific tourism	2
5	Promote cultural and heritage tourism	2
6	Promote sports tourism	0

And how to finance actions aiming at controlling coastal erosion?

	Action	Votes
1	Promote local knowledge to develop local solutions	10
2	Create a fund for environmental protection	9
3	Create a crowdfunding campaign	1
4	Tourism authorities to promote other forms of tourism	0
5	Charge a beach usage tax	0

CULTURAL CHALLENGE

How can citizens, NGOs, industry and governance be more involved on research in order to have them using more the research outcomes in the management of real issues?

	Action	Votes
1	Simplify science language and adapt it to specific target audiences	12
2	Develop partnerships with social media and use internet and social media for science outreach actions	10
3	Improve scientific culture by motivating society since the early stages of school	9
4	Create more dissemination events focusing the general public	3
5	Create platforms so that research outcomes are more easily accessible	2
6	Promote a long-term semi-permanent interaction in-between researchers, society, governance and industry to keep the focus and interest on hot topics	0
7	Have researchers talking to general public on a regular basis so that both understand what must and can be studied	0

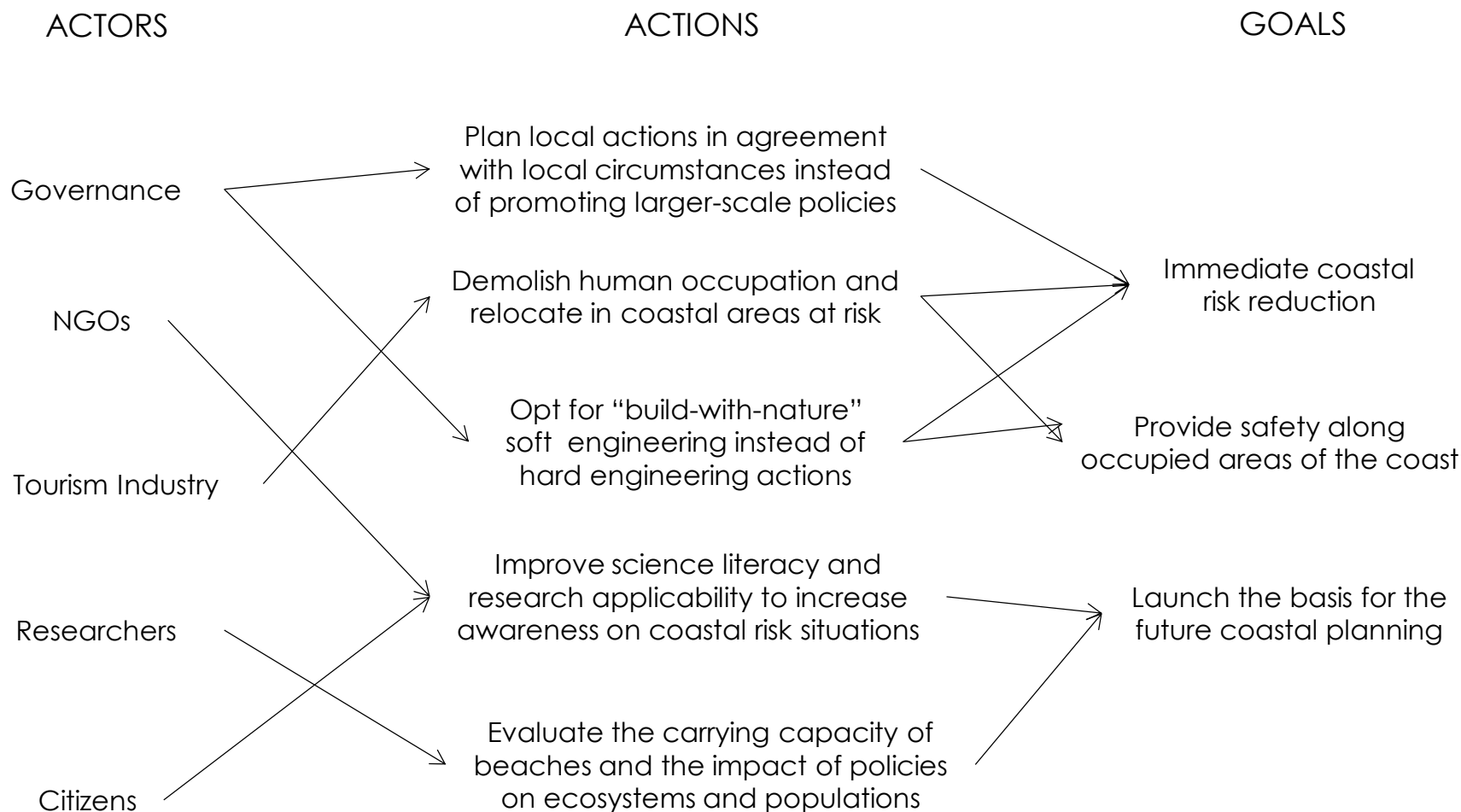
Roadmaps

The ideas emerging from the World Café were voted and the results were used to elaborate roadmaps identifying...



A strategy to:

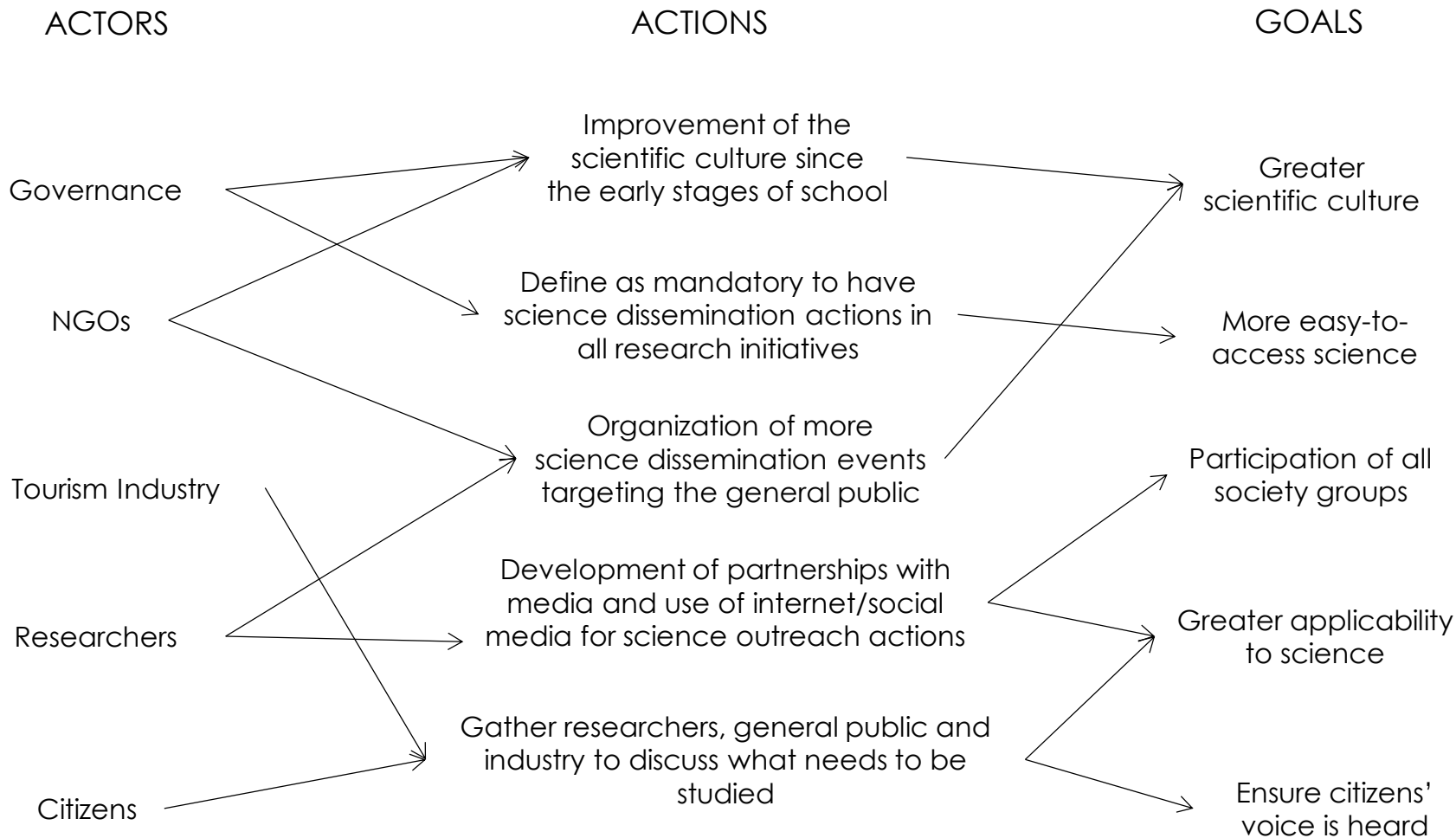
“Implement the best solutions to manage coastal erosion and sea level rise”



A strategy to:

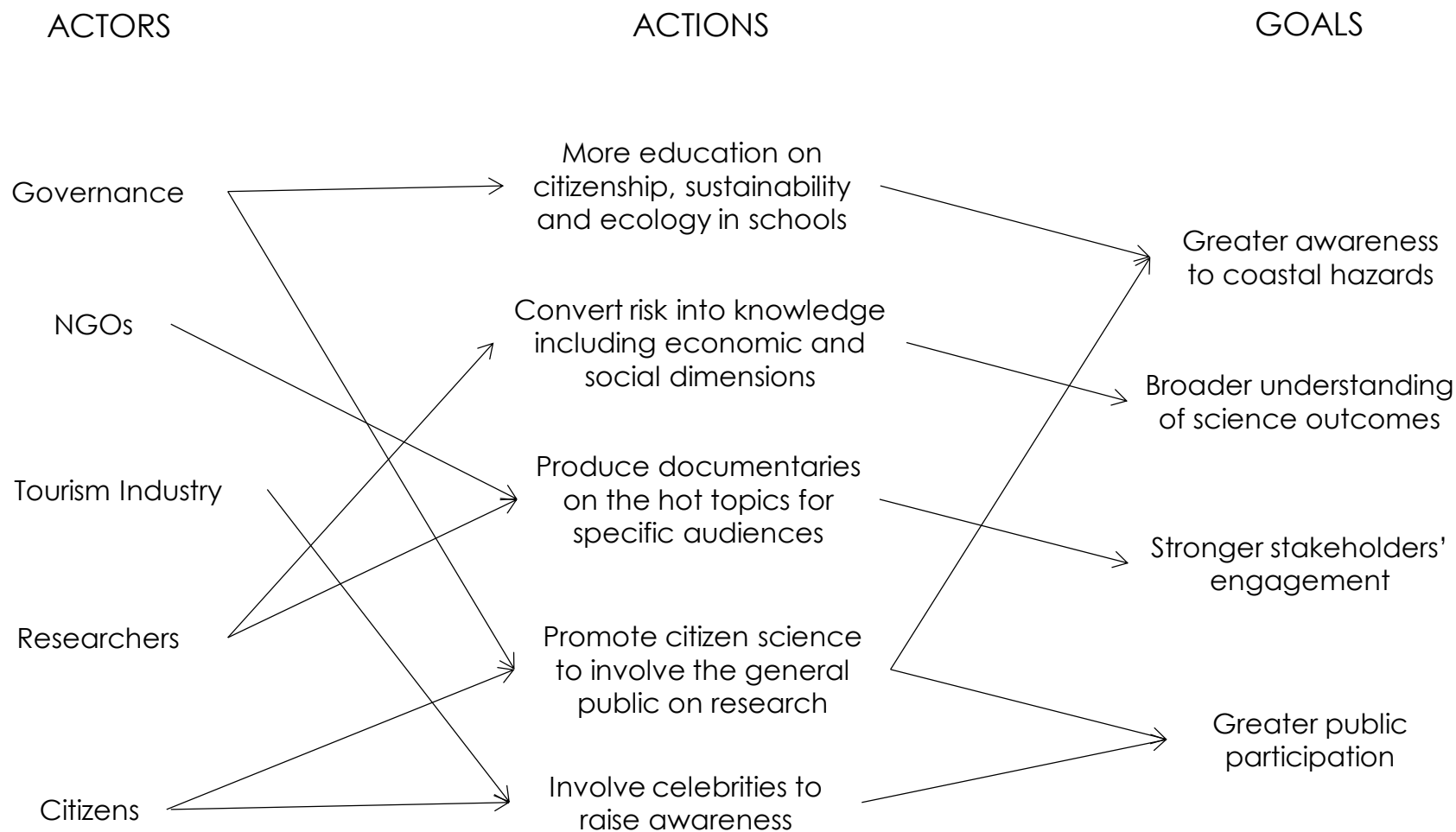
“Simplify science language and adapt it to specific target audiences”

Social Challenge ROADMAP



A strategy to:

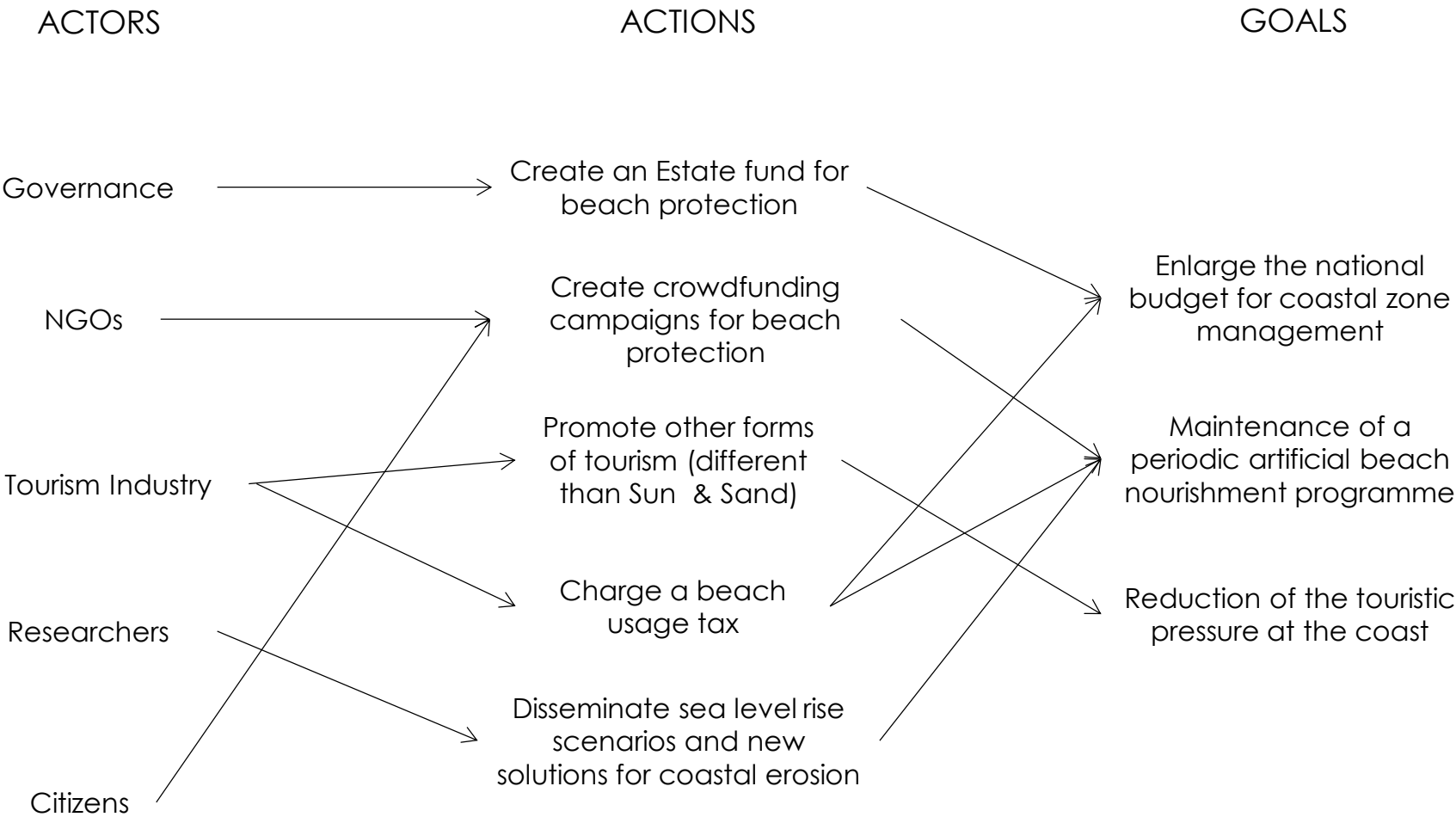
“Build a more civic, sustainability-concerned and risk-aware society”



A strategy to:

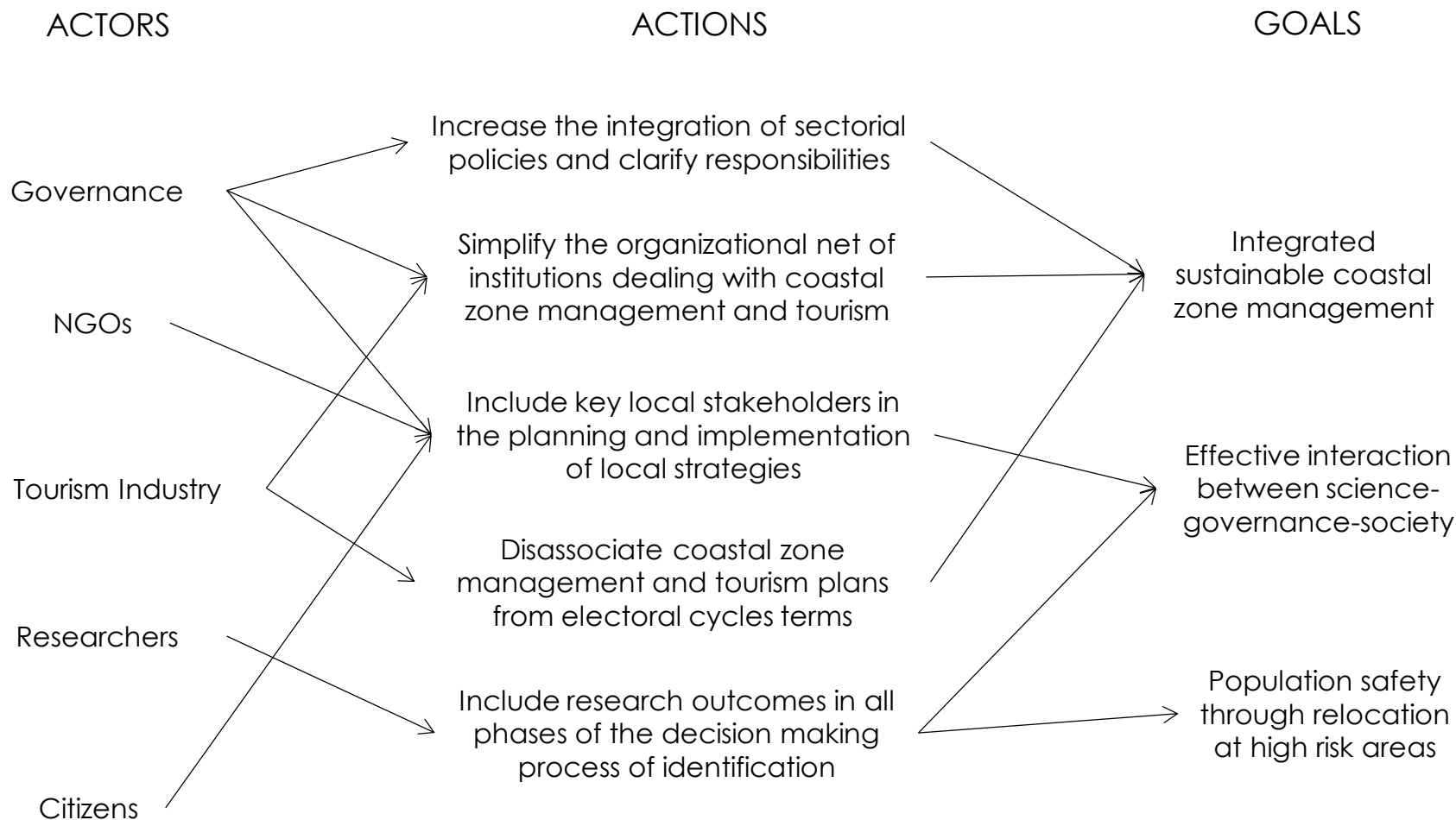
“Assure budget for coastal erosion control and sea level rise adaptation actions”

Economical Challenge ROADMAP



A strategy to:

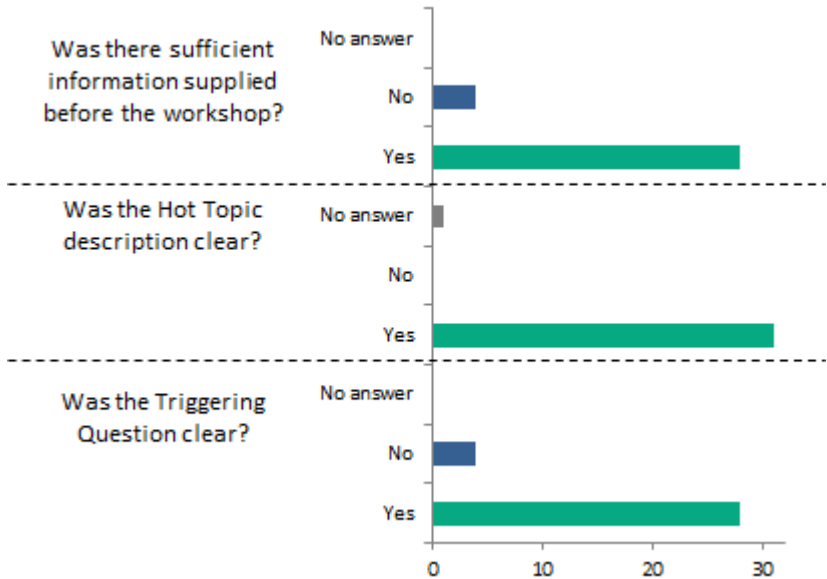
“Adapt for future sea level rise scenarios”



Stakeholders' engagement during the workshop



Stakeholders' feedback



Their expectations before the workshop

"To learn about the hot topic with experts"

"To share opinions and knowledge and to debate"

"To network"

"To understand the best solutions for the problems addressed"

How would they improve the workshop

"I would like to have more time to explain my ideas"

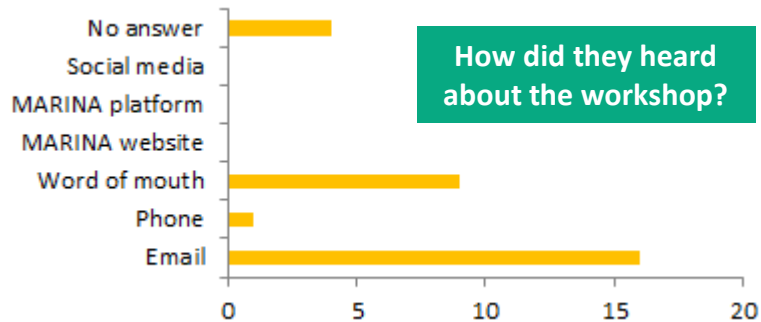
"The event should be longer and the key speaker presentations should be followed by a questions-answers debate"

"Some moderators should avoid making statements"

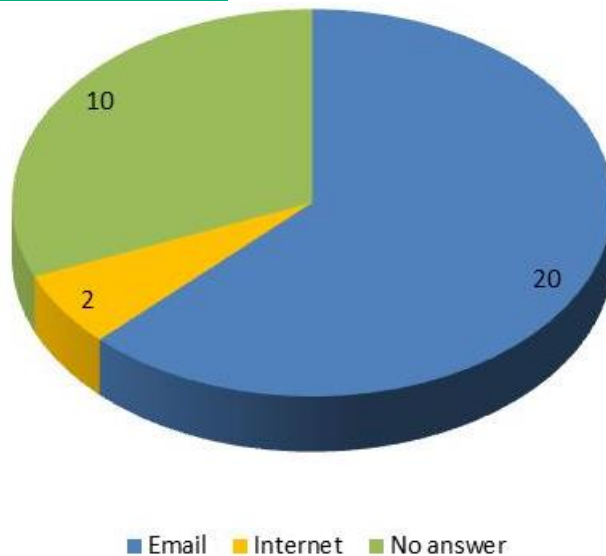
"Provide a shorter version of the Informed Consent Form"

	Was the introduction to the workshop clear?	Was the facilitation satisfactory?	Were they happy with their participation?	Were the hot topics interesting and useful?	Was the methodology well adapted to the workshop?	Were the workshop goals achieved?	Did the workshop strengthen links between participants?
No answer	0	1	1	0	1	3	1
No	0	0	1	0	1	1	1
Yes	32	31	30	32	30	28	30

Stakeholders' feedback



What is their favourite communication media?



What will make them use the MARINA Platform?

"To find knowledge in a user-friendly tool"

"To be able to network"

"To analyze the outcomes of the workshop"

"To get information and be involved in future events"

"To access info on similar initiatives around Europe"

"To keep citizens engaged with the hot topic"

"To use it as a tool for citizen science"

"To find information about best practices"

Final remarks

"Develop more partnerships with the Media and NGOs in order to reach bigger audiences"

Moderators' feedback

What was the overall reaction towards RRI?

	(very positive)	1	2	3	4	5	(very negative)
By the Researchers:		X					
By the Policy Makers:			X				
By the Tourism Industry:		X					
By the Society members:		X					

Which RRI dimensions did the participants focused on the most?

	(top priority)	1	2	3	4	5	6 (less priority)
Public Engagement:			X				
Science Access:				X			
Science Education:		X					
Gender Equality:							X
Ethics:						X	
Governance:				X			

What actions are required to push RRI forward in the mindset of the participants?

More actions similar to this one are needed. Scientists, policy makers, citizens and NGOs need to meet and discuss their ideas more often and get used to think outside their boxes.

Additional work is still needed in order to have all stakeholders understanding what is RRI and how can they participate.

RRI

POLICY

What practical actions did the participants agreed?

There was a good agreement that other forms of tourism (different to Sun & Sand) must be promoted in order to reduce human pressure at beaches vulnerable to coastal hazards. The participants prefer creative tourism and nature tourism.

The participants clearly showed to be in favour of soft engineering and expressed their preference to a building-with-nature approach in order to control erosion, namely though artificial beach nourishment.

Building's demolition in risk areas is seen as acceptable and relocation must be an option in cases where all other approaches failed.

Pre-event dissemination

Coordenador Geral do MARINA:
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marina.pro@irpps.cnr.it

Em PORTUGAL:
EuroOcean – European Centre for Information on Marine Science and Technology
Ned Dwyer: ned.dwyer@eurocean.org
Tiago Garcia: tiago.garcia@eurocean.org

Os parceiros do consórcio

ISPRAPRO CONSULTINGworld@ocean
AHHAASMARTBAY
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eur@ocean

Mantenha-se atualizado:
www.marinaproject.eu

f/eumarinaproject @Eumarinaproject in/in/eumarinaproject

Este projeto recebeu financiamento do Programa de Investigação e Inovação do Horizonte 2020 da União Europeia

MARINA
Get started in responsible marine research and innovation.

WORKSHOP PARTICIPATIVO DO PROJECTO EUROPEU MARINA
Discuta, Explore, Proponha e Estabeleça Contactos

Sol, praia... e segurança! Até quando teremos praias?

Café Aliança, Faro
Sábado, 21 de Janeiro de 2017, 12:00 – 17:00

eur@ocean

Iniciar a Investigação e Inovação Responsáveis em Ciências do Mar

«Sempre nos apoiamos nos mares - para alimento, recreação, oportunidades económicas, transporte, como um local para despejarmos os nossos resíduos, etc. Agora - com as alterações climáticas e intensas pressões humanas - os ecossistemas marinhos por todo o mundo, incluindo na Europa, estão sob uma grave ameaça. Podemos ajudar a inverter esta tendência unificando os nossos esforços.»

INICIAR A INVESTIGAÇÃO E INOVAÇÃO RESPONSÁVEIS EM CIÊNCIAS DO MAR

Indústria
Legisladores
Organizações Não Governamentais
Energias renováveis marinhas
Turismo e cidades costeiras
Pescas e aquicultura
Poluição

Cidadãos
Políticos
Investigadores
Alterações climáticas
Transportes marítimos
Riscos costeiros
Mineração do fundo do mar
Biotecnologia

PRECISAMOS DO SEU CONTRIBUTO!

PARA DISCUTIR

PORQUÊ

- Para salvar os nossos mares e
- desenvolver novas soluções para dar resposta às suas necessidades, tendo em conta os seus valores
 - tornar o processo de investigação científica mais visível
 - melhorar o acesso aos resultados da ciência
 - alcançar a igualdade entre géneros ao mesmo tempo que se valorizam questões éticas na ciência
- ajudar o nosso sistema educativo a preparar os investigadores e professores do futuro

COMO?

Responsabilizarmo-nos de forma ativa pelo ambiente marinho e participar em Investigação Responsável e Inovação (Responsible Research and Innovation - RRI). A RRI é uma nova abordagem à ciência em que pode fazer com que a sua voz seja ouvida de forma eficiente em todo o processo de investigação e inovação, bem como partilhar as suas ideias com as pessoas que desenvolvem novas soluções.

O projeto MARINA ajuda-o a participar no processo de investigação responsável e inovação através de:

WORKSHOPS DE MOBILIZAÇÃO

Está interessado em desenvolver soluções para os desafios marinhos em nível local e internacional?
Assista ao workshop mais próximo a si e dê o seu contributo para este processo.

EXPOSIÇÃO ITINERANTE MARINA

Deseja saber mais sobre os desafios atuais relacionados com o ambiente marinho?
Visite a nossa exposição.

DIRETRIZES E BOA PRÁTICA PARA RRI

Procura inspiração? Consulte as nossas diretrizes. Irão ajudá-lo a participar com sucesso no processo de investigação e inovação.

PLATAFORMA DE PARTILHA DE CONHECIMENTO

Deseja participar nas atividades do MARINA online?
Junte-se à comunidade numa plataforma de colaboração digital e participe a sua sabedoria online.

MARINA
Get started in responsible marine research and innovation.

WORKSHOP PARTICIPATIVO DO PROJECTO EUROPEU MARINA
Discuta, Explore, Proponha e Estabeleça Contactos

Sol, praia... e segurança! Até quando teremos praias?

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Sábado, 21 de Janeiro de 2017, 12:00 – 17:00

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COMO PARTICIPAR NO WORKSHOP

Inscrição gratuita e obrigatória em:
<https://www.eventbrite.pt/e/hilhetes-sol-praia-e-seguranca-ate-quando-teremos-praias-29887920785>

Para quaisquer esclarecimentos adicionais, contacte:
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Telefone: +351 213 924 314
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APRENeuiscas
eur@ocean

Mantenha-se atualizado:
www.marinaproject.eu

f/eumarinaproject @Eumarinaproject in/in/eumarinaproject

Os resultados deste workshop juntamente com os de outros workshops a realizar em toda a Europa, irão ser:

- Disponibilizados publicamente no site e instrumentos do projeto MARINA para todos os que se interessarem por assuntos ligados ao mar e a zona costeira e por RRI (Responsible Research and Innovation);
- Apresentados e discutidos em eventos internacionais sobre RRI e numa conferência para decisores políticos em Bruxelas em 2018.

Este projeto recebeu financiamento no âmbito do Programa de Investigação e Inovação do quadro Horizonte 2020 da União Europeia através da GA N° 710568

Projecto MARINA
EuroOcean – European Centre for Information on Marine Science and Technology

NOTA DE IMPRENSA

Lisboa, 13 de Janeiro de 2017

Embora no Verão tenhamos a esqueçê-lo, as grandes tempestades de Inverno, como a Hercules, que em Janeiro de 2014 causou danos muito avultados em toda a Europa, irão demonstrar, vez após vez, quão grave é o estado costeiro em Portugal. Contudo, à medida que os areais vão desaparecendo e as areias caem, o turismo de sol e praia não pára de crescer.

Sob o mote “Sol, praia... e segurança! Até quando teremos praias?”, a equipa da EuroOcean, uma fundação que integra 13 grandes instituições europeias de investigação em ciências e tecnologias do mar, irá realizar um workshop sobre erosão costeira e turismo. Dá-se assim início aos eventos sobre RRI (Responsible Research and Innovation) que o projeto MARINA (Marine Knowledge Sharing Platform for Federating Responsible Research and Innovation Communities) irá organizar até 2018 em Portugal.

O workshop terá lugar no histórico Café Aliança, em Faro, a 21 de Janeiro, entre as 12h e as 17h e nele participará representantes do Estado, agentes do turismo, cientistas, organizações ambientais, gerentes de empresas e cidadãos. Estes irão ser envolvidos numa troca de ideias sobre vários aspectos da gestão costeira e do turismo para, em conjunto, definir um plano de acção, cujas medidas e sua priorização terão de respeitar as percepções e interesses de todos.

Apesar das próximas três anos, o projeto MARINA, cujo financiamento provém do programa comunitário Horizonte 2020, procurará implementar a RRI em assuntos marinhos pertinentes para a sociedade em toda a Europa. Isto inclui alterações climáticas, energias renováveis, turismo, pesca e aquicultura, poluição marinha, exploração do fundo do mar, entre outros.

A RRI consiste numa abordagem inovadora a todo o processo de investigação científica e apoia-se em seis pilares: envolvimento de todos os stakeholders incluindo cidadãos, acesso total aos resultados da ciência, ensino de ciência, igualdade de género, ética e novos modelos de governação que contemplem os países orientes. Presupõe que a ciência dê mais respostas às mais importantes questões da sociedade, algo que se pretende venha a ser definido por todos. É precisamente isso que vai suceder no Café Aliança já no dia 21.

A União Europeia, ao tornar a RRI numa das suas prioridades até 2020, pretende criar condições para que seja possível retirar mais retorno do investimento feito em ciência e, assim, ajudar cidadãos, governantes e empresários a melhor intervir, tomar decisões e gerir empresas. O MARINA contribuirá para este fim também através de uma plataforma de partilha pública de conhecimento semelhante a uma rede social, que será disponibilizada em breve.

A EuroOcean convida a comunicação social a dar cobertura ao evento e informa que se encontrará disponível para prestar melhores esclarecimentos durante a sua estadia em Faro entre 19 e 22 de Janeiro 2017.

Mais informação:
<http://www.marinaproject.eu/>
<http://www.marinaproject.eu/index.php/what-is-rri/>
<http://www.euroocean.org/en/home>

Contacto:
Tiago Garcia
T: 92704525
Email: tiago.garcia@euroocean.org

Anexo: 1 Flyer sobre workshop em Faro + 1 Flyer sobre projecto MARINA + 1 programa do workshop

And on

RUA
RÁDIO UNIVERSITÁRIA DO ALGARVE
102.7 FM

Follow up

- ☐ The results of the workshop will be available in the [MARINA platform](#) by the end of February 2017.
- ☐ The stakeholders will be requested provide their feedback through the platform on the reporting documents and roadmaps associated to the workshop.
- ☐ The platform will also provide access to knowledge about the hot topics and materials from the workshops organized by the project partners across Europe.
- ☐ The stakeholders will be able to submit their own documents and materials, network and communicate with the international MARINA community and get involved in discussions related to various marine hot topics.
- ☐ The stakeholders who truly commit to the project through the platform could be invited to participate one of the several MARINA international workshop that will be held until 2019 in a number of cities of Europe.

Take action! Enter the MARINA Community



Create/Share
events



Create/Share
content



Manage your own
community





Thank
you

Your interest and
engagement to MARINA is
truly appreciated

Register and take the most of the
platform

www.marinaproject.eu