

































Introduction to the working group sessions



































The Monaco Ocean Acidification Action Plan

Short (c8) side publication, 5 languages

Strategic framework for action – including science, policy and communications and outreach and more..

Major feature of the 2011 RUG meeting in Brussels...but where else?

What do we need to do to move this agenda forwards quickly and effectively?

What is missing??

































As examples of what is 'missing':

Research gaps
Capacity to best coordination science
Capacity to develop and best coordination outreach
Legislative levers and opportunities
Social issues and implications
Policy route for maximum effectiveness
Decision support framework to address impacts
Strategy for communications
Understanding of economics

What are the questions we really need answers to?



































Output from the RUG meeting

20 – 25 minute presentation covering main elements of the strategic framework

Presentation to H.S.H. Prince Albert

Our Programme

























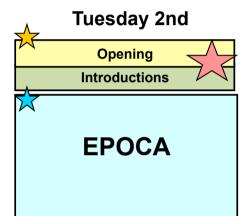










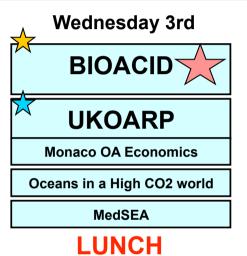


LUNCH



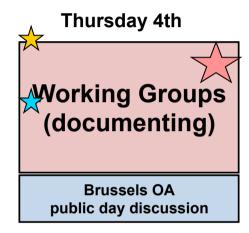
Introduction to
Working Groups
& on-line questionnaire

Evening Reception (7pm for 730 pm)









LUNCH

Closing Plenary

H.S.H. Prince Albert (2pm – 330pm)

Our Programme

























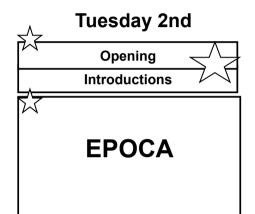












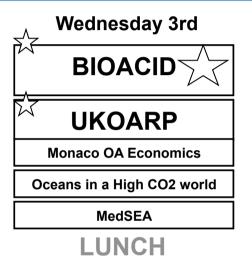


EPOCA

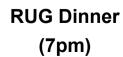
SOLAS - IMBER

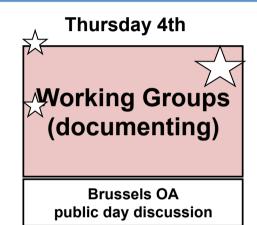
Introduction to
Working Groups
& on-line questionnaire

Evening Reception (7pm for 730 pm)



Working Groups (scoping)





LUNCH

Closing Plenary

H.S.H. Prince Albert (2pm – 330pm)



































Structure of working groups

3 groups chaired by

Lynne Hale, TNC – 'outreach' Emily Pidgeon, CI – 'policy' Kristian Teleki, SeaWeb – 'research'

Coordinated by John Baxter and Dan L



































OA Web Survey

Tuesday 2nd November 2010,

Oceanographic Museum, Monaco

Kristian Teleki Vice President for Science





































To determine message and communications strategies on ocean acidification in order to elicit action amongst a range of stakeholders and policy fora:

- to begin crafting practical strategies for influencing national and international policy on ocean acidification
- to provide the broader ocean community with a message and communications framework that will elevate ocean acidification as a priority issue and advance solutions and resilience strategies





































Ocean Acidification: What can we do about it? 23 November 2010 – Royal Geographic Society, London

oceanacidification@seaweb.org

- * Industry, policy, donor, advocacy, media and scientific community
- * Cutting through the complexity with science, communication and policy elements





































Ocean Acidification Online Survey

- enhance the effectiveness of communication and outreach efforts
- Dan Laffoley, John Baxter and Carol Turley

As of 1st November – 397 responses

North America	53%	Science Research	63%
Europe	30%	NGO	14%
Oceania	13%	Private Sector and industry	6%
Asia	2%	Government	6%
Africa	1%	IGO	4%
South America	1%	Other	7%

www.surveymonkey.com/s/QPN763J







































Where does ocean acidification sit as a priority in your organization?

77% rated it as a medium to high priority 26% rated it as a high priority

Do you consider climate change, overfishing, pollution and/or coastal development a greater threat to the ocean than ocean acidification?

72% Yes

Climate Change Overfishing

Long vs short term, OA a result of climate change, synergistic effects





































Do you believe that by elevating people's awareness of ocean acidification we will succeed in addressing ocean acidification?

61% Yes

Do you think that we could use ocean acidification to leverage action on other ocean issues?

83% Yes

Climate Change MPAs Overfishing





































Who should be the primary target for ocean acidification communications, which includes translating, and communicating the latest science?

Policy makers and parliamentarians (88%)
General public
School children and university students
Seafood and fishing industry

Do you think communicating ocean acidification would benefit from having a single body lead a partnership or multinational network of concerned entities?

76% Yes

Coordinated but not centralised Public for the most part unaware but will shift policy makers





































What do you think is the argument most likely to be used by those who are skeptical of ocean acidification?

Any efforts to reduce CO₂ pollution will be in vain unless China and other developing countries make similar commitments (50%)

This is just another scare tactic by environmentalists. They failed to get the carbon emissions reductions they wanted at the Copenhagen meeting and now they are trying this.

Limiting CO₂ emissions is unreasonable while the world economy is unstable; it will make basic things like food, fuel, etc. more expensive

The ocean has experienced much higher levels of acidity in the past, as long as some species survive, the ocean isn't in any real danger





































What do you think would be the most effective tools to communicate ocean acidification?

Scientists need to be better communicators
Documentary for television
Teacher modules (K-12 level)
An 'Inconvenient Truth' type movement for ocean acidification

Ocean acidification is increasingly being labelled as a poor description and name for the lowering of ocean pH.

80% Disagreed with this statement

Presented with options that no one liked but no other suggestions Carbon Pollution of the Ocean





































Do you think there needs to be greater outreach and engagement with those sectors and communities which will be impacted most by ocean acidification?

94% Yes

Fisheries a powerful lobby group

"Crying wolf we risk losing credibility"

Little if any outreach to developing countries





































What do you feel are the ocean acidification research priorities?

Better understanding of the ocean systems and the resulting biological and human socioeconomic impacts

OA economic impact on ocean ecosystem services

Relationship and linkages with other ocean/atmospheric processes

Lab studies

Adaptation

In situ observations and examples





































Ocean acidification will have the greatest implications for:

Food chain Biodiversity Economic impacts

Low human health and national security

What do you think is the most important information need, that is currently missing or is weak, to underpin effective communication of ocean acidification?

Expected outcomes
Industry or economic impacts
Science





































What policy formats or mechanisms for addressing ocean acidification should be pursued?

Climate change conventions and agreements
Ocean related international governance (e.g. UN Law of the Sea)
Multilateral environmental agreements (e.g. Convention on Biological Diversity)
National Legislation

If you were going to advise the policy and funder communities what would be your priorities for targeting research funds?

CO₂ reduction campaign More rapid development of renewable energy options More science





































What do you think is the greatest impediment to effective communication about ocean acidification?

There is too much uncertainty with respect to impacts

There is apathy and fatigue around the 'doomed oceans' (and climate change)

It is a new and emerging issue





































Ocean Acidification Survey www.surveymonkey.com/s/QPN763J

London Meeting – 23rd November

oceanacidification@seaweb.org

