



**Making science matter: Short-course building capacity of marine scientists to achieve impacts on policy and in practice**  
**9<sup>th</sup> - 12<sup>th</sup> of March 2020, Venice, Italy**

As part of the COST Action 15121 'Advancing marine conservation in the European and contiguous seas' (MarCONS) a short course training will take place between the **9<sup>th</sup> and 12<sup>th</sup> of March 2020**. This four-day training is targeting **mid-career marine scientists** that seek to advance marine conservation through engagement with stakeholders, the public and policy makers.

For this workshop mid-career researchers, are defined as those persons with **a PhD and 5 years' experience (or the equivalent in experience alone, approximately 10 years) to a PhD and 20 years' experience (or 25 years equivalent)**. The agenda is structured towards maritime spatial planning, transboundary cooperation and linking with industries.

The training will co-organised by the **Blue World Institute of Marine Research and Conservation** – Croatia, and the **National Research Council, Institute of Marine Sciences** – Italy, who will also host the workshop at the Arsenale, Tesa 104 - Castello 2737/F, 30122 Venice.

The training brings together an international team: Dr Christopher Cvitanovic, Dr Andrea Barbanti and Dr Peter Mackelworth will convene the training, in addition, Dr Prue Addison, Dr Jean-Baptiste Jouffray, Dr Elena Gissi, Dr Dani Abdul Malak and Dr Iztok Škerlič, will lead lectures and practicals.

**For further information and the application procedure please contact:**

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**Day 0, Sunday 8<sup>th</sup> March – Pre-workshop welcome drink in the evening for those that have arrived, to be arranged in Venice**

**Day 1, Monday 9<sup>th</sup> March 2020 – An introduction to the interface of science, policy and practice.**

Time	Topic	Lecturer	Suggested reading
0830	Arrival and registration		
0900	Introduction	Andrea/Pete	
0915	Official welcome	Rosalia Santoleri (Director CNR-ISMAR)	
0930	Workshop structure and overview	Chris	
1000	Introductions (lecturers and participants)	All	
1045	<i>Morning tea</i>		
1115	Science for complex socio-ecological marine systems: <ul style="list-style-type: none"> <li>• Recognising marine problems as complex socio-ecological challenges.</li> <li>• Natural science, social science, interdisciplinary science and transdisciplinary science.</li> <li>• Other knowledge systems.</li> </ul>	Chris	<ul style="list-style-type: none"> <li>• Nash et al. 2017. Nature Ecology and Evolution.</li> <li>• Cornell et al. 2013. Environmental Science and Policy.</li> </ul>
1200	An introduction to politics, policy and practice: <ul style="list-style-type: none"> <li>• Defining key concepts.</li> <li>• Balancing science, values, rules and expectations.</li> <li>• Opportunities for impact.</li> </ul>	Chris	<ul style="list-style-type: none"> <li>• Evans and Cvitanovic. 2018. Palgrave Communications.</li> <li>• Clark, Tim W., The Policy Process: A Practical Guide for Natural Resource Professionals</li> </ul>
1245	Producing usable marine science: <ul style="list-style-type: none"> <li>• Traits of usable science (credibility, legitimacy and salience).</li> <li>• The role and importance of trust.</li> </ul>	Chris	<ul style="list-style-type: none"> <li>• Dilling &amp; Lemos. 2011. Global Environmental Change.</li> <li>• Balvanera et al. 2017. Ecology and Society.</li> <li>• Lacey et al. 2018. Nature Climate Change.</li> </ul>
1330	<i>Lunch</i>		
1430	<b>Practical Session 1:</b> Attitudes and beliefs in decision-making		Pete
1545	<i>Afternoon tea</i>		
1615	<b>Practical Session 1:</b> continued.		Pete
1730	<i>Day 1 close – group dinner</i>		

**Day 2, Tuesday 10<sup>th</sup> March – The marine science-policy-practice interface in the EU**

Time	Topic	Lecturer	Suggested reading
0900	Revisit day 1, overview of day 2	Chris	
0915	An introduction to marine governance: <ul style="list-style-type: none"> <li>• What is governance?</li> <li>• Key concepts in governance?</li> <li>• Key actors.</li> </ul>	Chris	<ul style="list-style-type: none"> <li>• Cvitanovic et al. 2018. Reviews in Fish Biology and Fisheries.</li> </ul>
0945	Marine Governance in the EU, focusing on the Mediterranean: <ul style="list-style-type: none"> <li>• EUSAIR</li> <li>• BlueMed and Westmed</li> <li>• BlueGrowth</li> </ul>	Andrea  Invited speaker: Iztok Škerlič (EUSAIR)	<ul style="list-style-type: none"> <li>• Strategy for the Adriatic and Ionian Region (<a href="http://ec.europa.eu/regional_policy/sources/cooperate/adriat_ionian/pdf/joint_statement_governance_en.pdf">http://ec.europa.eu/regional_policy/sources/cooperate/adriat_ionian/pdf/joint_statement_governance_en.pdf</a>)</li> <li>• BLUEMED SRIA (<a href="http://www.bluemed-initiative.eu/wp-content/uploads/2018/12/BLUEMED-SRIA_Update_2018.pdf">http://www.bluemed-initiative.eu/wp-content/uploads/2018/12/BLUEMED-SRIA_Update_2018.pdf</a>)</li> <li>• Cugusi, B. and Stocchiero, A., 2016. The European Union Strategy for the Adriatic-Ionian Region. In A 'Macro-regional' Europe in the Making (pp. 169-188). Palgrave Macmillan UK.</li> </ul>
1030	Support to evidence-based Governance <ul style="list-style-type: none"> <li>• Zoom into the case of the Mediterranean Sea</li> <li>• References to work with EC and EEA then</li> </ul>	Invited speaker: Dania Abdul Malak (ETC-UMA)	<ul style="list-style-type: none"> <li>• Rodríguez-Rodríguez et al. 2016. Marine Policy (<a href="https://doi.org/10.1016/j.marpol.2016.07.022">doi:10.1016/j.marpol.2016.07.022</a>)</li> <li>• Rodríguez-Rodríguez et al. 2019. Journal of Earth Sciences &amp; Environmental Studies (<a href="https://doi.org/10.25177/JESES.4.2.RA.489">doi:10.25177/JESES.4.2.RA.489</a>)</li> </ul>
1100	<i>Morning tea</i>		
1130	<b>Practical Session 2:</b> Marine Spatial Planning and Blue Growth in the Mediterranean.		Andrea & Elena Gissi
1300	<i>Lunch</i>		
1345	<b>Practical Session 3:</b> Engaging with, and pitching to, policy-makers and other end-users: <ul style="list-style-type: none"> <li>• 3 * 10 minute talks by lecturers drawing on their personal experiences (how they do it, challenges, what they have learnt, etc.).</li> <li>• Q and A panel discussion</li> </ul>		Chris (The Australian context) Iztok (EUSAIR Facility Point – developing a macro-regional strategy) Dania (Mediterranean and EU contexts)
1500	<i>Afternoon tea</i>		
1530	<b>Practical Session 4:</b> Developing your policy pitch - Breakout groups		(Chris to lead, with help from all lecturers)
1630	<b>Practical Session 5:</b> Turning your policy pitch into a policy brief for impact		Jean-Baptiste
1730	<i>Day 2 close</i>		

**Day 3, Wednesday 11<sup>th</sup> March 2020 - Practical strategies for improving knowledge exchange**

Time	Topic	Lecturer	Suggested reading
0900	Revisit day 2, overview of day 3	Chris	
0915	Improving knowledge exchange among scientists and decision-makers <ul style="list-style-type: none"> <li>Barriers to knowledge exchange</li> <li>Practical strategies for improving knowledge exchange with decision-makers</li> <li>Individuals skills/attributes for knowledge exchange (i.e. the skills you need to develop)</li> </ul>	Chris & Pete	<ul style="list-style-type: none"> <li>Ross et al., 2003. Partnership experiences: involving decision-makers in the research process. Journal of Health Services Research &amp; Policy, 8 (suppl 2), pp.26-34.</li> <li>Kothari, A. and Wathen, C.N., 2013. A critical second look at integrated knowledge translation. Health Policy, 109(2), pp.187-191</li> </ul>
1000	Institutional innovations to support knowledge exchange and research impact.	Chris	<ul style="list-style-type: none"> <li>Cvitanovic et al. 2018. PLoS One.</li> <li>Blythe and Cvitanovic. Under Review. Nature Communications.</li> </ul>
1045	<i>Morning tea</i>		
1115	<b>Practical Session 6:</b> Building your online profile to increase the impact of your research	Prue	<ul style="list-style-type: none"> <li>Darling et al. 2013. Ideas in Ecology and Evolution.</li> <li>Collins et al. 2016. PLoS One.</li> <li>Shiffman. 2018. Fisheries.</li> <li><a href="https://www.fasttrackimpact.com/online-impact">https://www.fasttrackimpact.com/online-impact</a></li> <li><a href="https://www.fasttrackimpact.com/single-post/2015/10/4/Top-Twitter-Tips-for-Research-Impact">https://www.fasttrackimpact.com/single-post/2015/10/4/Top-Twitter-Tips-for-Research-Impact</a></li> <li><a href="https://www.aje.com/en/arc/5-methods-develop-your-online-presence-researchers/">https://www.aje.com/en/arc/5-methods-develop-your-online-presence-researchers/</a></li> <li><a href="https://theconversation.com/its-time-for-scientists-to-tweet-14658">https://theconversation.com/its-time-for-scientists-to-tweet-14658</a></li> <li><a href="https://www.elsevier.com/connect/how-to-use-social-media-for-science">https://www.elsevier.com/connect/how-to-use-social-media-for-science</a></li> </ul>
1230	<i>Lunch</i>		
1330	<b>Practical Session 7:</b> Developing infographics	Prue	<ul style="list-style-type: none"> <li><a href="https://www.fasttrackimpact.com/single-post/2017/11/28/How-to-turn-your-next-paper-into-an-infographic">https://www.fasttrackimpact.com/single-post/2017/11/28/How-to-turn-your-next-paper-into-an-infographic</a></li> <li><a href="https://venngage.com/blog/amazing-infographics/">https://venngage.com/blog/amazing-infographics/</a></li> <li><a href="https://venngage.com/blog/present-data-visually/">https://venngage.com/blog/present-data-visually/</a></li> </ul>
1500	<i>Afternoon tea</i>		
1530	<b>Practical Session 8:</b> Turning your research into blogs that people want to read.		Chris
1630	Let's practice what we've learnt. For example, participants can either continue: <ul style="list-style-type: none"> <li>Working on their policy brief; Continue writing their blog; Developing their twitter account; Developing an infographic on their research</li> </ul>		All lecturers will be floating around the room to help you with whatever you're working on!
1730	<i>Day 3 close</i>		

**Day 4, Thursday 12<sup>th</sup> March 2020 – Science-industry partnerships and planning for impact**

Time	Topic	Lecturer	Suggested reading
0900	Revisit day 3, overview of day 4	Chris	
0915	Working at the interface of science and industry: <ul style="list-style-type: none"> <li>Why should we work with industry</li> <li>Understanding what motivates industry to work with scientists: from Corporate Social Responsibility to Corporate Biosphere Stewardship</li> <li>How scientists can work with industry</li> <li>What are the ethical considerations of science – industry collaborations</li> </ul>	Jean-Baptiste & Prue	<ul style="list-style-type: none"> <li>Österblom, H., Jouffray, J.-B., Folke, C. and Rockström, J. 2017. Emergence of a global science–business initiative for ocean stewardship. <i>Proceedings of the National Academy of Sciences</i>. 114(34), pp.9038-9043.</li> <li>Folke, C., Österblom, H., Jouffray, J.B., et al. 2019. Transnational Corporations and the challenge of biosphere stewardship. <i>Nature Ecology and Evolution</i></li> <li>Kareiva, P., and E. Fuller. 2016. Beyond Resilience: How to Better Prepare for the Profound Disruption of the Anthropocene. <i>Global Policy</i> 7:107-118.</li> <li>Redford, K. H., B. J. Huntley, D. Roe, T. Hammond, M. Zimsky, T. E. Lovejoy, G. A. Da Fonseca, C. M. Rodriguez, and R. M. Cowling. 2015. Mainstreaming biodiversity: conservation for the twenty-first century. <i>Frontiers in Ecology and Evolution</i> 3:137.</li> <li>Adams, W. M. 2017. Sleeping with the enemy? Biodiversity conservation, corporations and the green economy. <i>Journal of Political Ecology</i> 24:244.</li> </ul>
1000	3 * 10 minutes talks about the practicalities of navigating complex, and morally challenging, stakeholder settings: <ul style="list-style-type: none"> <li>Chris (Undertaking conservation research funded by the oil and gas sector in Australia)</li> <li>Prue (Working with big businesses to integrate lessons from conservation science into their corporate biodiversity strategies)</li> <li>Jean Baptiste (Working with the world's ten largest seafood companies towards ocean stewardship).</li> </ul> Q and A session		
1115	<i>Morning tea</i>		
1145	Personal attributes of scientists that impact policy and practice: <ul style="list-style-type: none"> <li>Including ethical behaviours and practice</li> </ul>	Jean-Baptiste	<ul style="list-style-type: none"> <li>Evans and Cvitanovic. 2018. Palgrave Communications.</li> <li>Bennett et al. 2017. <i>Marine Policy</i> 81: 411-418.</li> </ul>
1200	<b>Practical session 9:</b> Identifying and evaluating key stakeholders for your research	Prue	<ul style="list-style-type: none"> <li>Reed, Mark S. The research impact handbook. <i>Fast Track Impact</i>, 2016.</li> </ul>
1245	<i>Lunch</i>		
1345	<b>Practical session 10:</b> Mapping pathways to your own research impact	Prue	
1500	<i>Afternoon tea</i>		
1530	Workshop evaluation		Chris/Andrea
1600	Workshop summary and next steps		Chris/Andrea
1630	<i>Workshop close</i>		