

Managing multiple stress for multiple benefits in aquatic ecosystems:
Final conference of the EU research project MARS

Museum of Natural Sciences – Brussels, 16. - 17. January 2018

SCIENTIFIC EVENT (January 16)

Forenoon session: Summary of MARS results

Chair: Anne Lyche Solheim (NIVA, NO)

Time	Theme	Speaker(s)
09:00-09:30	<i>Introductory keynote:</i> Complex to understand, but simple to manage: The role of multiple stressors for assessing and restoring Europe's waters	Daniel Hering (UDE, DE)
09:30-10:20	Multiple stressors at water body scale: the MARS experimental studies – <i>incl. short presentations on selected key outcomes</i>	Erik Jeppesen (AU, DK) & Stefan Schmutz (BOKU, AT) and collaborators
10:20-10:50	<i>Coffee break</i>	
10:50-11:40	Multiple stressors at the river basin scale: the 16 case-study catchments – <i>incl. short presentations on selected key outcomes</i>	Teresa Ferreira (ULisboa, PT) and collaborators
11:40-12:30	Multiple stressors at the European scale: discovering patterns across the continent – <i>incl. short presentations on selected key outcomes</i>	Ana Cristina Cardoso (JRC, EC) & Yiannis Panagopoulos (NTUA, GR) and collaborators
12:30-14:00	<i>Lunch break</i>	

Afternoon session: Synthesis and outlook

Chair: Rafaela Schinegger (BOKU, AT)

Time	Theme	Speaker(s)
14:00-14:20	Synthesis: Stressors, scenarios and water management	Bryan Spears (CEH, UK)
14:20-14:40	Scenarios and models: The science behind the MARS tools	Markus Venohr (IGB, DE) & Christian Feld (UDE, DE)
14:40-15:00	What did we learn from MARS? Key findings of the project	Sebastian Birk (UDE, DE)
15:00-15:20	MARS and multiple stressors: what next for freshwater research and management?	Steve Ormerod (CU, UK)
15:20-15:40	Multiple stressors: the need for generality in a context-dependent world	Ian Donohue (TCD, IE)
15:40-16:20	<i>Coffee break</i>	
16:20-17:30	Plenary discussion: <i>Applied aquatic multi-stressor research: What can we recommend to river basin management?</i>	All speakers

Evening (18:00 onwards): Joint dinner on the museum's balcony

MANAGEMENT & POLICY EVENT (January 17)

Forenoon session: The operational level – MARS outcomes relevant for river basin management

Chair: Sebastian Birk (UDE, DE)

Time	Theme	Speaker(s)
09:00-09:30	<i>Introductory keynote:</i> The results of MARS and its implications for the water management and research agendas	Daniel Hering (UDE, DE)
09:30-10:00	The MARS Guidance: how to deal with multi-stressors in river basin management?	Anne Lyche Solheim (NIVA, NO) & Rafaela Schinegger (BOKU, AT)
10:00-10:30	The suite of MARS tools in support of river basin management	Markus Venohr (IGB, DE) & Tom Buijse (DELTAWARES, NL)
10:30-11:00	<i>Coffee break</i>	
11:00-11:30	Diagnosing the causes of ecological status degradation in the face of multiple stressors	Christian Feld (UDE, DE)
11:30-12:00	Integrating ecosystem services into river basin management	Bruna Grizzetti (JRC, IT)
12:00-12:30	Key-recommendations for river basin management under water scarcity and toxic stressors (contributions of the projects GLOBAQUA and SOLUTIONS)	Damia Barcelo (ES) & N.N.
12:30-14:00	<i>Lunch break</i>	

Afternoon session: The policy level – implementing the WFD

Chair: Lidija Globevnik (UL, SI)

Time	Theme	Speaker(s)
14:00-14:20	Reflections on the 2nd river basin management cycle	Lourdes Alvarelllos (EC) [tbc]
14:20-14:40	The Future of Water Management in Europe: Outcomes of the MARS e-Conference reviewing WFD implementation	Laurence Carvalho (CEH, UK)
14:40-15:00	Options for improved WFD implementation using instruments of the current and future CAP	N.N. [tbc]
15:00-15:20	Understanding multiple pressures and effects on environmental status to support management under the Marine Strategy Framework Directive	Angel Borja (AZTI, ES)
15:20-15:40	How to improve River Basin Management using synergies of various policies?	Kristy Blackstock (JHI, UK)
15:40-16:00	Towards an integrative water resource management in a bio-economy context	Per Stålnacke (NIBIO, NO)
16:00-16:30	<i>Coffee break</i>	
16:30-17:30	Plenary discussion: <i>Managing multiple stress for multiple benefits in aquatic ecosystems within the food-energy-water nexus</i>	All speakers
17:30-17:45	Closing remarks	Daniel Hering (UDE, DE)