

Workshop 3: Management Strategy Evaluation: Achieving Transparency in Natural Resource Management by Quantitatively Bridging Social and Natural Science Uncertainties

**Day 1
Monday 2 October**

Time	Speaker	Title
09:00 - 09:45	Welcome to IMBIZO5!	
09:45 -10:30	Eddie Allison	Keynote address for Critical Constraints workshop
<i>10:30 -11:00</i>	<i>Morning Tea</i>	
11:00 -11:45	Mary Ann Moran	Keynote address for Metabolic Diversity workshop
12:00 -12:45	André Punt	Keynote address for MSE workshop
<i>12:45-14:00</i>	<i>Lunch</i>	
14:00-15:30	WORKSHOP: Panel discussion (including demonstration of VES-V tool to visualize different scenarios)	
15:30-16:00	<i>Afternoon tea</i>	
16:00-17:00	WORKSHOP: Toy MSE model presentation	
17:00-20:00	Poster session	

Day 2 Tuesday 3 October Morning		
Time	Speaker	Title
09:00-10:00	WORKSHOP Continuation: Toy MSE model presentation and Question & Answer session	
10:00-10:30	WORKSHOP: Invited Talks	
15 min	Jason Link	What good are MSEs when the oceans, and people that use and manage stuff in them, are so stinking uncertain?
15 min	Ana Parma	Looking for robust harvest control rules: learning from MSE applications to specific fisheries
10:30-11:00	Morning Tea	
11:00-12:00	WORKSHOP: Talks (natural science)	
5 min	Cecilie Hansen	Dealing with 'the boss' in the Barents Sea – as easy as it sounds?
5 min	Ana Bevilacqua	Dealing with the discard ban issue: coupling methodologies in a MSE framework
5 min	Stephanie Brodie	Quantifying the utility of dynamic ocean management through management strategy evaluations
5 min	Gizem Akkuş	A comparative assessment of the Black Sea anchovy stock by using holistic production and analytical age structure models
5 min	Isaac Kaplan	Testing harvest control rules within end-to end ecosystem models: a stepping stone toward management strategy evaluation
5 min	Lisa Kerr	Modeling the implications of stock mixing and life history uncertainty of Atlantic bluefin tuna
5 min	Eileen Hofmann	Factors affecting distribution of the Atlantic surfclam (<i>Spisula solidissima</i>), a continental shelf biomass dominant, during a period of climate change
5 min	Robert Wildermuth	Developing a framework for evaluating structural uncertainty in social –ecological system models: a Bayesian network approach
5 min	Daniel Howell	REDUS MSE: a flexible Management Strategy Evaluation modelling tool
5 min	Zeyu Zeng	Effects of climate change and fishing on the Pearl River Estuary ecosystem and fisheries
12:00-12:45	WORKSHOP: Discussion & writing activities	
12:45-14:00	Lunch	

Day 2 Tuesday 3 October Afternoon		
14:00-15:00	WORKSHOP: Talks (small scale fisheries)	
10 min	Maribec Campos	Bioeconomic Modelling of Fisheries Conservation Policies in the Philippines
5 min	Ane Dwijayanti	Fishermen Social Rebound to Meet the Equilibrium in Fisheries Management: Study Case New Regulation on lobster fisheries in Southern Java, Indonesia
5 min	Samantha Williams	Finding synergy in conservation and small-scale fisheries: Case studies from the Western Cape, South Africa
5 min	Helven Naranjo-Madrigal	A model-based approach for strengthening resilience of responsible marine fishing areas in Costa Rica
5 min	Nemillie Qaqara	Exploring Traditional Ecological Knowledge (TEK) marine resources use: a case study from two villages in Fiji
5 min	Ivan Martins	Factors of social vulnerability to climate change among small-scale fishing communities from the South Brazil Bight
5 min	Samiya Selim	Evidence of ecosystem based adaptation in coastal fisheries of Bangladesh
15:00-15:30	WORKSHOP: Discussion & writing activities	
15:30-16:00	<i>Afternoon tea</i>	
16:00-18:00	Cross-workshop 'sticky note' activity	

Day 3		
Wednesday 4 October Morning		
Time	Speaker	Title
9:00 -10:00	David VanderZwaag	Cross-workshop Key note talk
10:00-10:30	<i>Morning Tea</i>	
10:30-12:00	WORKSHOP: Talks (human dimension)	
10 min	Robert Scott	Developing Harvest Strategies for the Western Central Pacific Tuna Fishery
5 min	Per Arneberg	Marine Ecosystems and Social Needs: The importance of merging social and natural science for servicing policy needs to the best for humans and nature
10 min	Sarah Gaichas	Getting on the same page, or at least in the same library: lessons in communication from a stakeholder driven MSE for Northeast US Atlantic herring
10 min	Julie Hall	How do we move to ecosystem based management?
10 min	Derek Armitage	Integrating governance into management strategy evaluation
5 min	Carla Sbrocchi	Comparative analysis of wellbeing frameworks for multi-objective scenario development
5 min	Natasa Vaidianu	Emerging governance requirements: manage fish and people for a coherent and sustainable exploitation in the Romanian Black Sea
10 min	Prateep Nayak	Fishing for power: Conceptualization of social-ecological change and marginalization through local metaphors and political ecology narratives
5 min	Sara Miñarro	A new conceptual framework to evaluate drivers of fishing behavior in small scale fisheries
5 min	Katherine Mills	Climate adaptation in Northeast U.S. fisheries: eliciting and evaluating strategies of interest to stakeholders and communities
5 min	Kalpana Chaudhari	Bridging social and natural science uncertainties and changes in marine ecosystem: evaluating the impacts of climate change and management strategy evaluation using application of E-governance and ICTs
5 min	Gaku Ishimura	Optimizing fishing strategies and spatial management by linking spatial abundance information and economic indicators
12:00-12:45	WORKSHOP: Discussion & writing activities	
12:45-14:00	<i>Lunch</i>	

Day 3 Wednesday 4 October Afternoon	
14:00-15:00	WORKSHOP: Discussion & writing activities
15:00-15:30	WORKSHOP: Talks (overflow from previous sessions)
15:30-16:00	<i>Afternoon tea</i>
16:00-17:00	Debate
19:00	IMBIZO dinner

Day 4 Thursday 5 October		
Time	Speaker	Title
9:00 -10:30	WORKSHOP: Discussion & writing activities	
<i>10:30-11:00</i>	<i>Morning Tea</i>	
11:00 -12:45	WORKSHOP: TBD	
<i>12:45-14:00</i>	<i>Lunch</i>	
14:00-15:00	Summary from the workshops (Infographic and oral presentations)	
15:00-15:30	<i>Closing ceremony</i>	