MSEAS 2016

Understanding marine socio-ecological systems

Including the human dimension in integrated ecosystem assessment

PROGRAMME



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MSEAS 2016

he focus of the symposium will be on integration and assessment across multiple ocean uses and sectors, including: fisheries, renewable energy, coastal development, oil and gas, transport, and conservation.

There will be a particular emphasis on the methodological and empirical challenges involved in including human dimensions in integrated ecosystem assessments.

The symposium will be global in scope, with a focus on regions in which integrated ocean management policies have been developing in the last two decades.

Conveners

Jason Link, USA
David C. Smith, Australia
Olivier Thébaud, France

Scientific Steering Committee

Keith Criddle, University of Alaska, USA
Luc Doyen, CNRS, France
Stewart Frusher, University of Tasmania, Australia
Jan Jaap Poos, Wageningen UR, The Netherlands
Simon Jennings, CEFAS, UK
Marloes Kraan, IMARES Wageningen UR, The
Netherlands
Jason Link, NOAA, USA
Doug Lipton, NOAA, USA
Cristina Pita, University of Aveiro, Portugal
Jake Rice, DFO, Canada
Jörn Schmidt, University of Kiel, Germany
David C Smith, CSIRO, Australia
Tony Smith, CSIRO, Australia
Olivier Thébaud, Ifremer, France

Organizing committee

Denis Bailly, Université de Brest, France
Annie Cudennec, Université de Brest, France
Luc Doyen, CNRS, France
Séverine Julien, Université de Brest, France
Pascal Le Floc'h, Université de Brest, France
Romain Lopez, Université de Brest, France
Sophie Monge, Ifremer, France
Yves-Marie Paulet, Université de Brest, France
Jan Jaap Poos, Wageningen UR, The Netherlands
Jörn Schmidt, University of Kiel, Germany
Olivier Thébaud, Ifremer, France







SPONSORS



































GENERAL PROGRAMME















PROGRAMME OF THE WEEK (Part 1)

DATE	START	END	GENERAL PROGRAMME			
	8h00	9h00	Registration			
	9h00	9h30	Introduction			
	9h30	10h30	Keynote speaker Serge Garcia: « Fisheries from biological clockworks to socio-ecological			
	Méri	dienne	systems and ecosystems services »			
	10h30	11h00	Coffee break			
	11h00	12h00	Introductory talksTorgeir Edvardsen, OECD			
	Ro	om	Paul Holthus , World Ocean Council, USA			
	Méri	dienne	Pim Visser, EAPO, Netherlands			
MONDAY	12h00	13h00	Lunch			
May 30	13h00	14h00	Keynote speaker			
Iviay 30		om dienne	Jake Rice: « Fisheries Governance in an SES system: All Things for All People or All Things for All Creatures? »			
	14h00	15h00	Introductory talks			
			 François Gauthiez, French Marine Protected Area Agency, 			
			France			
	Room Méridienne		Mark Dickey-Collas, ICES, Denmark			
	ivieri	lenne	Alida Bundy, Bedford Institute of Oceanography, Canada			
	15h00	15h15	Howard Browman, Editor-in-Chief, ICES Journal of Marine Science			
	15h15	15h45	Coffee break			
	15h45	17h45	Parallel sessions 1			
	17h45	19h00	Brest City Council Welcome Reception			
	8h00	9h00	Registration			
	9h00	10h00	Keynote speaker			
		om dienne	Beth Fulton: « What's easy and hard about modelling socioecological systems »			
	10h00	10h30	Coffee break			
	10h30	12h30	Parallel sessions 2			
	12h30	14h00	Lunch			
TUESDAY	14h00	15h40	Parallel sessions 3			
May 31	15h40	16h00	Coffee break			
	16h00	17h40	Parallel sessions 4			
	17h45	18h45	Young researchers workshop			
	Roo	om 1	roung researchers workshop			
	18h45	20h30	Poster session & Wine and cheese tasting			



PROGRAMME OF THE WEEK (Part 2)

	8h30	9h00	Registration			
	9h00	10h00	Keynote speaker			
	Ro	om	Linwood Pendleton : « Indicators, indices, and essential variables: Oh			
	Méridienne		my! A decidedly non-statistical take »			
	10h00	10h30	Coffee break			
	10h30	12h30	Parallel sessions 5			
WEDNESDAY	12h30	13h30	Lunch			
June 01	13h30	15h30	Parallel sessions 6			
	15h30	16h00	Coffee break			
	16h00	17h40	Parallel sessions 7			
	17h40	18h40	Young Researchers workshop			
		m 1				
	19h30 23h00		Symposium Dinner			
		nopolis	Buses depart from le Quartz at 19h30 & 19h45			
	8h30	9h00	Registration Keynote speaker			
	9h00	10h00	Keynote speaker Edward Hugh Allison: « Adventures in Integration: Unexpected			
	Room		Insights for Coastal and Marine Governance from Interdisciplinary			
	Méridienne		Assessments »			
	10h00	10h30	Coffee break			
T	10h30	12h30	Parallel sessions 8			
THURSDAY	12h30	14h00	Lunch			
June 02	14h00	16h00	Parallel sessions 9			
	16h00	16h30	Coffee break			
	16h30	17h30	Keynote speaker			
	Room		Simon Levin: « Dealing with public goods and common-pool			
	Mérid	ienne	resources in marine ecosystems »			
	17h30	18h30	Young Researchers workshop			
	Roo		·			
	8h30	9h00	Registration			
	9h00	10h00	Keynote speaker			
	Ro	om	Anthony Charles: « Assessing and managing a multi-sectoral multi-			
FRIDAY	Mérid	ienne	objective ocean: Challenges for integration and participation »			
June 03	10h00	10h30	Coffee break			
	10h30	12h00				
	Ro		Closing session			
		ienne				
	12h00	13h00	Strawberries & wine			



INTRODUCTIVE TALK 1 & 2

Introdu	ctory talks 1	y talks 1 Monday 30/05 - 11h >12h		n Méridienne
		Chair : David Smith		
11h-11h20		an Economy project is the first CD to consider the ocean from an	Torgeir Edvardsen	OECD
11h20-11h40	· · · · · · · · · · · · · · · · · · ·	nd the Growing Ocean Economy: tunities for Sustainable ence	Paul Holthus	World Ocean Council
11h40-12h	The North Sea Case. Sea Bottom Protection (Natura 2000 and EMFD) Fishing Industry Stakeholder Involvement			European Association of Fish Producers Organisations (EAPO)
Introdu	ctory talks 2	Monday 30/05 - 14h >15h	Roor	n Méridienne
		Chair: Jason Link		
14h-14h20	Understanding and managing marine socio-ecological systems: challenges and prospects from the French Marine Protected Areas Agency point of view			French Marine Protected Area Agency
14h20-14h40	Making the Ecosystem	n Approach Operational	Mark Dickey-Collas	ICES, Denmark
14h40-15h		ce and social science research be e advice so that it is useful to policy er society?	Alida Bundy	Bedford Institute of Oceanography, Canada



KEYNOTE SPEAKERS

PROGRAM	ME OF K	EYNOTE SPEAKERS		Room Méridi	enne
Monday Mov. 20	9h30- 10h30	Fisheries from biological clockworks to socio-ecological systems and ecosystems services		Serge Garcia	Chair, Fisheries Expert Group, IUCN Commission on Ecosystem Management, Italy
May, 30	13h00- 14h00	Fisheries Governance in an SE Things for All People or All Thi Creatures?	•	Jake Rice	Chief Scientist Emeritus, Fisheries and Oceans, Canada
Tuesday May, 31	,		Beth Fulton	Senior researcher, CSIRO, Australia	
Wed. June, 01	, , , , , , , , , , , , , , , , , , , ,			Linwood Pendleton	Senior researcher, UMR AMURE, IUEM, UBO, France
Thursday June, 02	9h00- 10h00	Adventures in Integration: Un Insights for Coastal and Marin from Interdisciplinary Assessm	e Governance	Edward Hugh Allison	Professor, School of Marine and Environmental Affairs, USA
Julie, 02	16h30- 17h30	Dealing with public goods and pool resources in marine ecos		Simon Levin	Professor, Princeton University, USA
Friday June , 03	9h00- 10h00	Assessing and managing a mu multi-objective ocean: Challer integration and participation		Anthony Charles	Professor, Saint Mary's University, Canada





PROGRAMME OF THEME SESSIONS















PARALLEL SESSIONS – Synthesis by ID Number

Parallel sessions 1 - Monday 30/05 - 15h45>17h45					
Theme session	B-1	C-1	D-1	E-1	
Room	Merid.	Room 1	Room 3/4	Room 2	
15H45-16h05	93	209	111	242	
16h05-16h25	99	218	151	38	
16h25-16h45	174	234	179	91	
16h45-17h05	194	70	215	244	
17h05-17h25	237	68	229	64	
17h25-17h45	182			166	

Parallel sessions 2 - Tuesday 31/05 - 10h30>12h30						
Theme session	A-1	B-2	D-2	E-2		
Room	Room 1	Merid.	Room 3/4	Room 2		
10H30-10h50	221	86	26	103		
10h50-11h10	52	249	75	107		
11h10-11h30	62	184	90	73		
11h30-11h50	115		97	47		
11h50-12h10	235		231	56		
12h10-12h30	37		232			

Parallel sessions 3 - Tuesday 31/05 - 14h>15h40					
Theme session	E-3	F-1	B-3	C-2	
Room	Room 2	Room 3/4	Merid.	Room 1	
14H00-14h20	59	F-C 101	12	42	
14h20-14h40	217	35	152	50	
14h40-15h00	246	80	157	147	
15h00-15h20	256	82	163	168	
15h20-15h40			43	192	

Parallel sessions 4 - Tuesday 31/05 - 16h >17h40					
Theme session	A-2	B-4	D-3	F-2	
Room	Room 2	Merid.	Room 3/4	Room 1	
16H00-16h20	180	77	238	186	
16h20-16h40	118	84	65	112	
16h40-17h00	121	100	106	F-C 116	
17h00-17h20		20	110		
17h20-17h40		223	123		



Parallel sessions 5 - Wed. 01/06 - 10h30>12h30					
Theme session	C-3	D-4	E-4	F-3	
Room	Merid.	Room 3/4	Room 2	Room 1	
10H30-10h50	141	124	201	183	
10h50-11h10	66	134	146	130	
11h10-11h30	120	145	126	40	
11h30-11h50	127	148	104	197	
11h50-12h10	178	222	119		
12h10-12h30	198				
Parallel sessions 6 - We	d. 01/06 - 1	l3h30 >15h3	0		
Theme session	B-5	C-4	E-5	F-4	
Room	Merid.	Room 3/4	Room 2	Room 1	
13H30-13h50	131	21	205	212	
	The second secon				

Farallel Sessions 0 - Wed. 01/00 - 151150 /151150					
Theme session	B-5	C-4	E-5	F-4	
Room	Merid.	Room 3/4	Room 2	Room 1	
13H30-13h50	131	21	205	212	
13h50-14h10	67	29	109	239	
14h10-14h30	210	83	125	160	
14h30-14h50	132	113	33	162	
14h50-15h10					
15h10-15h30					

Parallel sessions 7 - Wed. 01/06 - 16h >17h40						
Theme session	B-6	C-5	E-6	F-5		
Room	Merid.	Room 3/4	Room 2	Room 1		
16H00-16h20	30	167	138	51		
16h20-16h40	22	187	172	F-C 129		
16h40-17h00	159	206	195	133		
17h00-17h20			252	55		
17h20-17h40						

Parallel sessions 8 - Thursday 02/06 - 10h30>12h30								
Theme session	B-7	C-6	D-5	F-6				
Room	Merid.	Room 3/4	Room 2	Room 1				
10H30-10h50	25	236	60	219				
10h50-11h10	44	250	63	208				
11h10-11h30	53	241	74	220				
11h30-11h50	199	34	85	165				
11h50-12h10	128	39	137					
12h10-12h30		41						

Parallel sessions 9 - Thursday 02/06 - 14h00>16h00								
Theme session	C-7	D-6						
Room	Merid.	Room 2						
14H00-14h20	243	214						
14h20-14h40	89	153						
14h40-15h00	114	224						
15h00-15h20								
15h20-15h40								
15h40 - 16h00								



THEME A - Identifying needs for managing multiple ocean use sectors – policy, management and industry needs

Parallel sessions 2			Tuesday 31/05 - 10h30>12h30		Room 1
			Chair : Jake Rice		
Theme A-1	ID			First author	Institute
10H30- 10h50	221	_	orave new world : the need for, and disciplinary research.	Stewart Frusher	University of Tasmania
10h50- 11h10	52	Re-inventing envir systems-based app	onmental impact assessment with a proach	Jennifer Coston- Guarini	LimOce Environmental Consulting, Ltd.
11h10- 11h30	62	1 '	licies, sectors and stakeholders in the nt: a network approach	Leonie A Robinson	University of Liverpool
11h30- 11h50	115	integration and ma	ralpotentials and limitations for the anagement of fisheries, aquaculture and the coastal areas – the ECOAST project	Erik Olsen	Institute of Marine Research
11h50- 12h10	235		Sustainable fisheries in a social-minded world: challenges and perspectives from a seafood certification perspective		Marine Stewardship Council
12h10- 12h30	37	· ·	narine spatial planning approaches in ctional zoning and the marine ecological	Jie Liu	National Marine Data and Information Service



THEME A - Identifying needs for managing multiple ocean use sectors – policy, management and industry needs

Parallel sessions 4			Tuesday 31/05 - 16	h >17h40	Room 2
			Chair : Cristina	Pita	
Theme A-2	ID			First author	Institute
16H00- 16h20	180		nental Values as the basis used management within Z.	Piers K Dunstan	CSIRO Oceans and Atmosphere
16h20- 16h40	118	_	Understanding Integration Challenges in Maritime Spatial Planning		Helmholtz-Zentrum Geesthacht, Institute for Coastal Research
16h40- 17h00	121	concepts support	ecosystem services t local stakeholder I improve the marine process?	Beth E. Scott	University of Aberdeen
17h00- 17h20	221	Transitioning to a brave new world: the need for, and challenge of, interdisciplinary research.		Stewart Frusher	University of Tasmania
17h20- 17h40		Open discussion			

	Poster								
Theme A	ID		First author	Institute					
	230	Using a compensation framework on coastal structures to balance natural resource protection with private property rights and needs: A policy for Connecticut's Long Island Sound coastline	Ian Yue	Department of Energy & Environmental Protection, Office of Long Island Sound Programs					
	92	The role of cephalopods in ecosystem and the implications for fisheries management and ecosystem conservation.	Thibaut de la Chesnais	CSIRO					



	Parall	el sessions 1	Monday 30/05 - 15h45>17	7h45		ROOM Méridienne
			Chair : Keith Criddle			
Theme	B-1			First Au	ıthor	Institute
15H45- 16h05	93	Ecosystem functioning climate change and posimplications	modifications due to the ssible socio-economic	Fabio Pranovi	İ	Università ca' Foscari di Venezia
16h05- 16h25	99	Mitigating eutrophicati people's food consump	on of the Baltic Sea by steering tion	Eva-Lot Sundbla		The Swedish Institute for the Marine Environment
16h25- 16h45	174	ecological and econom	esses to coastal fisheries: ic effects of nutrient of Mexico shrimp fishery	J. Kevin Craig		NOAA National Marine Fisheries Service Southeast Fisheries Science Center
16h45- 17h05	194	Assessing climate chang pelagics fishery from the	ge impacts on the small ne southern Benguela system	Kelly Ortega- Cisnero		Rhodes University
17h05- 17h25	237	in projecting climate ch fisheries; a framework Fishery Pathways.	future harvest policies for use ange impacts on fish and for developing Representative	Anne B Hollow		Alaska Fisheries Science Center
17h25- 17h45	182	for the Northeast US: c	ries management procedures oupling ecological and antify societal and ecological	Gavin F Speake Jason Li	r:	University of Massachusetts Dartmouth
	Parall	el sessions 2	Tuesday 31/05 - 10h30>12	2h30		ROOM Méridienne
			Chair : Luc Doyen			
Theme	B-2			First Au	thor	Institute
10H30- 10h50	86	The dynamics of fishing aquaculture dilemma	fleets when faced with the	Andree Laura Cojocar		University of Stavanger
10h50- 11h10	196	·	s. A dangerous management an Fernández ecosystem.	Javier Porobio		CSIRO - University of Tasmania
11h30- 11h50	249	•	limatic drivers over fishing marine protected area: the rve	Mauricio Castrejón		Dalhousie University, Canada
11h50- 12h30	184	3 1		Alan C. Haynie		NOAA Fisheries Alaska Fisheries Science Center
11h50- 12h30		Open discussion				



Р	arall	el sessions 3	Tuesday 31/05 - 14h>15	h40	ROOM Méridienne		
	Chair : Jan Jaap Poo						
Theme	B-3			First Aut	hor	Institute	
14H00-	12	The eco ² model – a bas	ic bio-economic module	Eckhard		Thünen Institute of Sea	
14h20		• ,	s of the cohort biomass to	Bethke		Fisheries	
		exploitation.					
14h20-	152	A bio-economic agent-	based model to investigate	Claire		Ifremer / UMR AMURE	
14h40		trade-offs in quota gov	ernance systems in fisheries	Macher			
14h40-	157	A Bioeconomic modeli	ng of Sardinella fisheries in	Aliou BA	1	IRD/CRODT/UCAD	
15h00		Senegal					
15h00-	163	Understanding the inte	rplay of fishing selectivity and	Anna-Ma	arie	Centre for Ecological and	
15h20		economic drivers for re	silience and collapse of an	Winter		Evolutionary Synthesis (CEES)	
		unregulated fishery					
15h20-	43	High-grading and over-quota discarding in mixed		Jurgen		Visned	
15h40		fisheries		Batsleer			

P	arall	el sessions 4	Tuesday 31/05 - 16h >17	h40	F	ROOM Méridienne
Theme	B-4			First Au	thor	Institute
16H00- 16h20	77	Exploring socio-ecologic management using mu	ical models of fishery Ilti-agent social simulation	Samane	h Heidari	Utrecht University
16h20- 16h40	84	Bio-economic model-b management of the sh facing global change	ased scenarios for the rimp fishery in French Guiana	Fabian Blancha	rd	Ifremer
16h40- 17h00	100		n effective social-ecological approach of Dubnanagement in cOralreefs		Mélodie	CRIOBE, USR 3278 CNRS- EPHE-UPVD
17h00- 17h20	20		ical systems with Bayesian oles from the Pacific and	Dr. Van Stelzeni		Thünen-Institute of Sea Fisheries
17h20- 17h40	223	•	•	Gonson	Charles	Ifremer / IRD



P	arall	el sessions 6	Wednesday 01/06 - 13h30	>15h30	F	ROOM Méridienne
			Chair : Doug Lipton			
Theme	B-5			First Auth	nor	Institute
13H30- 13h50	131	•	nework to investigate social- rine social-ecological systems	Sebastian Villasante		University of Santiago de Compostela
13h50- 14h10	67	side: exploring inter-re	ogical systems from the supply elationships between apacity to support services	Fiona Cul	hane	University of Liverpool
14h10- 14h30	210	Transitioning through resource management	the looking-glass in natural :	Eva Plaganyi/ Ingrid Va	•	CSIRO
14h30- 14h50	132	•	nected drivers in marine ms: local evidence of social opean fisheries	Sebastian Villasante		University Santiago de Compostela
14h50- 15h10	251	Finding Behavioral Solutions to IUU Fishing.		Willow Ba	attista	Environmental Defense Fund
15h10- 15h30		Open discussion				

F	Parall	el sessions 7	Wednesday 01/06 - 16h >1	17h40	ROOM Méridienne
Theme	B-6			First Author	Institute
16H00- 16h20	30	Ecological, and Environ	How the Interplay of Social, mental Factors Influences the collability of Fishery Social	Keith R. Criddle	University of Alaska
16h20- 16h40	22	Overview of the Marine Well-being (MarWeb) p	Ecosystem Health and Human project	Grant Murray	Duke University Marine Lab
16h40- 17h00	159		value chains: tourism and the all-scale fisheries in São Vest Africa)	João Garcia Rodrigues	University of Santiago de Compostela, Campus Do Mar
17h00- 17h20		Open discussion			
17h20- 17h40					



Parallel sessions 8			Thursday 02/06 - 10h30>1	2h30		ROOM Méridienne
Chair: Keith Criddle						
Theme	B-7			First Au	ithor	Institute
10H30-	25	Changes in fishing beha	viour of two fleets under fully	Edwin v	/an	IMARES Wageningen UR
10h50		documented catch quod different outcomes.	ta management: same rules,	Helmor	nd	
10h50-	44	Mixed fisheries manage	ment: Is the ban on discarding	Jan Jaa	р	IMARES
11h10		likely to promote more fishing in the Dutch flat	selective and fuel efficient fish fishery?	Poos		
11h10-	53		·	Michae	1	Occan Concomianci
11h10-	55		agent-based model for the management approaches;	Drexler	-	Ocean Conservancy
111150		incorporating fisher bel	•	Diexiei		
11h30-	199	Towards a better under	standing of fisheries	Marloe	S	IMARES
11h50		behaviour		Kraan		
11h50-	128	An Agent Based Model	of the South African Offshore	Rachel		University of Cape Town
12h10		Hake Trawl Fishery that	Hake Trawl Fishery that Examines the Relative			
		Importance of Drivers				
12h10-		Open discussion				
12h30						



Parallel sessions 1			Monday 30/05 - 15h45	>17h45	Room 1	
Chair : Jörn Schmidt						
Theme	C-1			First author	r Institute	
15H45- 16h05	209		ries in the South Pacific: ion of their benefits around	Evangelia Drakou	Université de Bretagne Occidentale, Institut Universitaire Européen de la Mer	
16h05- 16h25	218		ispecies management when are in place and transitional	Raúl Prellezo	ZO AZTI	
16h25- 16h45	234	Management and mix	ed fisheries	Vermard You	puen Ifremer	
16h45- 17h05	70		impact in the protection of ent : case of guard cap area ory	Seridi Amal	Université Badji Mokhtar- Annaba, Algerie	
17h05- 17h25	68	Scaling up a global too improvement: adding dimensions to FishSou	economic and social	Sébastien M	Metz Sakana Consultants	

F	Parallel sessions 3		Tuesday 31/05 - 14h>	15h40		Room 1	
Chair: Jörn Schmidt							
Theme	C-2			First autho	r	Institute	
14H00- 14h20	42	Indicator decision tree	e for managing fisheries	Sigrid Lehu	ta	Ifremer	
14h20- 14h40	50	Optimal biodiversity loss in multispecies fisheries		Eric Trome	ur	Institute of Ecology and Environmental Sciences	
14h40- 15h00	147		of full-retention policies: th Sea demersal fishery	Rolf Groenevelo	H	Wageningen University	
15h00- 15h20	168	Understanding the eff programs: Insights int fishing participation in Aleutian Islands crab	o social vulnerability and n the Bering Sea and	Amber Him Cornell	ies-	Université de Bretagne Occidentale / UMR AMURE	
15h20- 15h40	192		a highly depleted stock: Atlantic Sardine Fishery	Renato Ros	a	CENSE, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa	



P	aralle	l sessions 5 Wednesday 01/06 - 10h	30>12h30	ROOM Méridienne		
Chair : Jason Link						
Theme	C-3		First author	Institute		
10H30- 10h50	141	Multiple management objectives: how to strike a bargain?	Sophie Gourguet	Ifremer / UMR AMURE		
10h50- 11h10	66	Ecoviability for Ecosystem Based Fisheries Management	Luc Doyen	CNRS GREThA		
11h10- 11h30	120	Social tipping points and environmental management decision-making: a biodiversity offsets example	Olivier THEBAUD	Ifremer / UMR AMURE		
11h30- 11h50	127	Co-viability in fisheries management, an example framework from the Southern Benguela	Rachel Cooper	University of Cape Town		
11h50- 12h10	178	Effects of European multi-annual management plans: a viability approach	Abdoul Ahad Cissé	University of Bordeaux		
12h10- 12h30	198	Strengthening the resilience of small-scale 2 fisheries: a modelling approach to explore the 3 use of in-shore pelagic resources in Melanesia	Pierre-Yves Hardy	INRA		

Pa	arallel	sessions 6	Wednesday 01/06 - 13h3	0 >15h30		ROOM 3/4
			Chair : Olivier Théb	aud		
Theme	C-4			First author		Institute
13H30- 13h50	21		Ocean productivity index as a decision tool for Maritime Spatial Planning			European Commission – Joint Research Centre, Maritime Affairs Unit
13h50- 14h10	29		s observations of human data for the North Pacific	Keith R. Crid	dle	University of Alaska Fairbanks
14h10- 14h30	83	Assessments: A fran	Integrated Ecosystem nework and tool to support oproaches to management in tems	Rebecca Shuford		NOAA
14h50- 15h10	113		International comparison of Human Well-being structures and factors: A study of the PICES 6			Rikkyo University
15h10- 15h30		Open discussion				



P	aralle	l sessions 7	Wednesday 01/06 - 16h	>17h40	ROOM 3/4			
	Chair : Jan Jap Poos							
Theme	C-5			First author	Institute			
16H00- 16h20	167	·	bitats potential to deliver Peniche-Nazaré, Portugal	Ana Isabel Lillebø	University of Aveiro			
16h20- 16h40	187	A framework for pract ecological, economic, aspects in integrated r	social and institutional	Robert Stephenson	Canadian Fisheries Reserach Network			
16h40- 17h00	206	processes on a Medite embayment (Amvrakil	ental, climatic and human erranean semi-enclosed kos Gulf, Greece): a food- ach for assessing ecosystem	Simone Libralato	Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – OGS			
17h00- 17h20		Open discussion						
17h20- 17h40								

P	Parallel sessions 8 Thursday 02/06 - 10h30>12h30 ROOM 3/4					ROOM 3/4	
	Chair : Luc Doyen						
Theme	C-6			First author		Institute	
10H30- 10h50	41		Trajectories of Icelandic es of transferable quotas	Matthias Kokorsch		University of Iceland	
10h50- 11h10	250	Ecosystem Risk Assess Comprehensive Assess Ecosystems (CARE) To	sment of Risk to	Willow Battis	sta	Environmental Defense Fund	
11h10- 11h30	241	What are we managin Management of Marir	g for: Values and the ne Social-Ecological Systems	Grant D Mur	ray	Duke University Marine Lab	
11h30- 11h50	34	Using Socio-Economic Indices to Understanh Community Well-Bein	· ·	Stephen Kasperski		NOAA Fisheries, Alaska Fisheries Science Center	
11h50- 12h10	39	An Emergent Method	hing Community ience in the United States: to Assess the Impacts of inagement and Climate	Lisa L. Colbur	rn	NOAA Fisheries	
12h10- 12h30	236		ve bio-monitoring tools to all contamination in the	Marine Breitwieser		LIENSs	



Pa	rallel	sessions 9	Thursday 02/06 - 14h00	0>16h00		ROOM Méridienne	
	Chair : Jan Jaap Poos						
Theme	C-7			First author	•	Institute	
14H00- 14h20	243	A scientist and stake developing fisheries DAMARA	holder partnership for management plans:	Simon Mard	lle	Fishor Consulting	
14h20- 14h40	89		rocesses to communities of nmercially fished species in	Stephani Zador Alaska Fisheries Science Cent NMFS, NOAA		Alaska Fisheries Science Center, NMFS, NOAA	
14h40- 15h00	114		rated assessment under the rated assessment under the	Leyre Goti		Thünen Institute of Sea Fisheries	
15h00- 15h20		Open discussion					
15h20- 15h40							

Poster	ster								
Theme C	ID		First author	Institute					
	45	MeRamo – An assimilative biogeochemical model system for the support of public authorities dealing with the Marine Strategy Framework Directive	Ina Lorkowski	Federal Maritime and Hydrographic Agency, Germany					
	105	Indicators to evaluate the sustainability of snapper and grouper fisheries	Patrícia Alexandra da Silva Amorim	Universidade dos Açores / MARE Centro de Ciências do Mar e do Ambiente, Portugal					
	228	Application of the DPSIR framework as tool for coastal and marine monitoring related to management of a potential impacted area of Adriatic sea (Mediterranean sea)	Pulcini Marina	ISPRA, Italy					



THEME D - Participatory assessment processes: opportunities and challenges

P	aralle	l sessions 1	Monday 30/05 - 15h45>17h45	RO	OM 3/4			
	Chair : Stewart Frusher							
Theme	D-1			First author	Institute			
15H45- 16h05	111		Cognitive, abundance and closed area maps: a stakeholder entered approach to management advice in the Irish Sea ray ishery		Marine Institute			
16h05- 16h25	151	Participative methods fish aggregating device	for a better understanding of moored es (MFADs)	Olivier Guyader	Ifremer / UMR AMURE			
16h25- 16h45	179	Participatory modellin impacts on a subarction	g of ocean warming and acidification c marine system	Stefan Koenigstein	Sustainability Research Centre (artec)			
16h45- 17h05	215	Integrating socio-ecor qualitative fisheries m	omic drivers in an explicit-time, odel: EcoMata	Christine Largouet	Agrocampus / UMR IRISA			
17h05- 17h25	229		ssons from a multi-model participatory approach for the aluation of discard reduction scenarios in the Eastern English annel		Ifremer			
17h25- 17h45		Open discussion						

P	aralle	el sessions 2	Tuesday 31/05 - 10h30>12h30	RC	OOM 3/4		
	Chair: Stewart Frusher						
Theme	D-2			First author	Institute		
10H30- 10h50	26	, ,	a traceability of drivers and actions' e integrated management in the	Anne Littaye	GIZ/CIM		
10h50- 11h10	75	participatory experime	havior of policy decision makers through ents, a role playing game to explore tlantic Bluefin tuna fishery.	Selles Jules	Ifremer, Université de Nantes		
11h10- 11h30	90		based management of the range d sea urchin using a structured decision	Martin P. Marzloff	Institute for Marine and Antarctic Studies, University of Tasmania		
11h30- 11h50	97		for integrated assessment of the a living marine resources to climate	Christian Möllmann	Institute for Hydrobiology and Fisheries Science, University of Hamburg		
11h50- 12h10	231	Improving the governator fisheries action res	ability of small-scale fisheries: the need search	Marc Léopold	IRD (Institut de Recherche pour le Développement)		
12h10- 12h30	232	· ·	nagement plan measures for shark nentary tools to help policy-makers	Cécile Brigaudeau	Des Requins et des Hommes		



THEME D - Participatory assessment processes: opportunities and challenges

Р	aralle	l sessions 4	Tuesday 31/05 - 16h >17h40	ROOM	л 3/4		
	Chair : Denis Bailly						
Theme	D-3			First author	Institute		
16H00- 16h20	238	Science - industry coll common sole stock	aboration on the Eastern English Channel	Marie Savina	IFREMER		
16h20- 16h40	65		ms in practice – understanding the marine policy and management	Kieran Hyder	Centre for Environment, Fisheries & Aquaculture Science (Cefas)		
16h40-	106	The end of the comfo	t zone: Co-creation for implementing the	Marta	Centro		
17h00		Ecosystem Approach t Union.	o Fisheries Management in the European	Ballesteros	Tecnológico del Mar-Fundación CETMAR		
17h00-	110	Marine Ecosystem He	alth and Human Well-Being (PICES-	Hirota Masahito	National		
17h20		MarWeb)-A good rela	tionship between local communities and		Research		
		seafood diversity.			Institute of		
					Fisheries Science,		
					Fisheries		
					Research Agency		
17h20-	123	Developing strategies	for Seagrass Conservation: a focus on	Benjamin Jones	Cardiff University		
17h40		food security provisio	า				

F	Paralle	el sessions 5 Wednesday 01/06 - 10h30>12h30	ROON	13/4					
	Chair : Cristina Pita								
Theme	D-4		First author	Institute					
10H30- 10h50	124	Ecosystem Services as integrating element in Integrated Ecosystem Assessments?	Kira Gee	Helmholtz- Zentrum Geesthacht					
10h50- 11h10	134	The SYNOPSIS platforms: tools for integration and sharing of knowledge in support of sustainable environmental management	Johanna Ballé- Béganton	Université de Bretagne Occidentale / UMR AMURE					
11h10- 11h30	145	Assessing the role of perceptions in social conflict among natural resource users: the case of shark provisioning in French Polynesia	Pierpaolo Brena	CRIOBE USR3278					
11h30- 11h50	148	Stakeholders' Perceptions on the Marine and Coastal Ecosystem Services at Peniche-Nazaré	Tom Willaers	NOVA SBE					
11h50- 12h10	222	Marine coastal communities: ecosystems of human change	Stewart Frusher	Institute for Marine and Antarctic Studies					
12h10- 12h30		Open discussion							





THEME D - Participatory assessment processes: opportunities and challenges

P	Parallel sessions 8 Thursday 02/06 -				ROOM 2		
Chair : Denis Bailly							
Theme	D-5			First author	Institute		
10H30- 10h50	60	Strategies and tools for futures for marine economunities	•	Jeffrey Dambach	er CSIRO		
10h50- 11h10	63	Weighing up managen marine ecosystems: a approach	•	Leonie A Robinso	n Univeristy of Liverpool		
11h10- 11h30	74	Mental models, compatitives towards the		Fabio Boschetti	CSIRO		
11h30- 11h50	85	Beyond the Soft Syste	n Methodology	Michel Lample	Université de Bretagne Occidentale / UMR AMURE		
11h50- 12h10	137	The System Approach protocol for the integr society in coastal and ecosystems	ation of science and	José Antonio Pére Agúndez	ez Ifremer/ UMR AMURE		
12h10- 12h30		Open discussion					

F	aralle	el sessions 9	Thursday 02/06 - :	14h00>16h00	ROOM 2
			Chair : Tony	Smith	
Theme	D-6			First author	Institute
14H00- 14h20	214	INFORMD: an environ support tool for coasta in Tasmania, Australia	al salmon aquaculture	Rich Little	CSIRO
14h20- 14h40	153	Developing operational bio-economic decision-support tools with stakeholders to help in multi-annual plan design: challenges and opportunities		Claire Macher	Ifremer / UMR AMURE
14h40- 15h00	224	ELFSim: a fisheries dec cOralreef line fish on t of Australia	• • •	Rich Little	CSIRO
15h00- 15h20		Open discussion			
15h20- 16h00					



Pa	rallel	sessions 1	Monday 30/05 - 15h45>17h45	17h45 ROOM 2		OM 2
			Chair : Annie Cudennec			
Theme	E-1				First author	Institute
15H45- 16h05	242	What makes the Eco management – or no	osystem Approach work in natural resou ot	rce	Tony Smith	CSIRO Oceans and Atmosphere
16h05- 16h25	38	•	Trust, confidence and equity affect the legitimacy of natural resource governance		Rachel Turner	Environment and Sustainability Institute, University of Exeter
16h25- 16h45	91	implementation of t	science-policy-society interfaces for the the Ecosystem Approach to Fisheries I) in the European Union (EU).	2	Paulina Ramirez- Monsalve	Innovative Fisheries Management (IFM), Aalborg University Research Centre
16h45- 17h05	244		ed Approaches to Marine Ecosystem gh Multi-Stakeholder Engagement		Cathal O'Mahony / Speaker : Dr. Tim O'Higgins	University College Cork
17h05- 17h25	64	EU Integrated Mari Approach	time Policy and Data Sharing – a Legal		Betty Queffelec	Université de Bretagne Occidentale / UMR AMURE
17h25- 17h45	166		ning the EU regional seas: lessons learne a marine planning resource and networ		Anne- Michelle Slater	University of Aberdeen



Par	allel	sessions 2	Tuesday 31/05 - 10h30>12h30		ROOM 2			
	Chair : Marloes Kraan							
Theme	E-2				First author	Institute		
10H30- 10h50	103	Political overfishing sustainability goals	: Social-economic drivers challenge		Rudi Voss	Department of economics, Kiel University		
10h50- 11h10	107		Team Effort to Tackle a Complex Problem. The Landing bligation in the North Sea.			NRC (Europe) Ltd		
11h10- 11h30	73	_	community traditional use right of ins dy of Shiraho Village, Okinawa, Japar		Aoi Sugimoto	The University of Tokyo		
11h30- 11h50	47	Fishers' knowledge tips	as smart fishing compass and manag	gement	Maria Ching Villanueva	IFREMER		
11h50- 12h10	56	The Spanish Medite Integrated Coastal 2	erranean coast guilds: their role in the Zone Management	e	Emmánuel Lizcano	Universidad Nacional de Educación a Distancia (UNED)		
12h10- 12h30		Open discussion						

Par	allels	sessions 3	Tuesday 31/05 - 14h>15h40		ROOM 2			
	Chair: Stewart Frusher							
Theme	E-3				First author	Institute		
14H00- 14h20	59		logical Systems (SES) analysis to unasse theastern United States	essed	Scott Crosson	NOAA SEFSC		
14h20- 14h40	217	Specificities of mar	Specificities of marine spatial planning in Tropical Areas		Marie Bonnin	Institut de Recherche pour le Développement		
14h40- 15h00	246	Which governance	for marine biodiversity offset?		Céline Jacob	CREOCEAN - Center for Functional and Evolutionary Ecology (CEFE)		
15h00- 15h20	256	•	ard integrating economic, social and ives and indicators in fisheries manage	ment	Robert Stephenson	Canadian Fisheries Reserach Network		
15h20- 15h40		Open discussion						



Par	allel	sessions 5	Wednesday 01/06 -	10h30>12h30		RO	OM 2	
	Chair: Jake Rice							
Theme	E-4					First author	Institute	
10H30- 10h50	201		to Multiple Knowledge I Why Fisheries Should I		le	Jake Rice	Fisheries and Oceans Canada	
10h50- 11h10	146		Applying Social Network Analysis to Understand ICES Institutional rameworks applied to Integrated Ecosystem Assessments			Dorothy J. Dankel, PhD	University of Bergen	
11h10- 11h30	126	_	ecosystems to manage gislative mechanisms	ement of human		Roland Cormier	Centre for Materials and Coastal Research, Helmholtz- Zentrum- Geesthacht	
11h30- 11h50	104	Public participation law	to Ocean Renewable Er	nergy projects in F	rench	Nicolas Boillet	Université de Bretagne occidentale IUEM	
11h50- 12h10	119	_	and policy framework i of ecosystem services in t in Scotland		in the	Anne- Michelle Slater	University of Aberdeen	
12h10- 12h20		Open discussion						

Par	allel s	essions 6	Wednesday 01/06 - 13h30 >15h30		RO	OM 2	
	Chair : Tony Smith						
Theme	E-5				First author	Institute	
13H30- 13h50	205	The relationship be	The relationship between governance and fisheries outcomes			University of Washington	
13h50- 14h10	109	1996) to evaluate	The application of the Kotter change management model (Kotter, 1996) to evaluate the lack of fisher engagement in a recently ntroduced voluntary fishery improvement scheme in Belgium.			Institute for Agricultural and Fisheries Research (ILVO)	
14h10- 14h30	125	The tragedy of a la North Sea	ck of brown shrimp fisheries managemen	it in the	Brita Trapman	IMARES	
14h30- 14h50	33		Behavioural Economics may inform improving Institutional Settings in Fisheries Management		Sarah B. M. Kraak	Thünen-Institut für Ostseefischerei	
14h50- 15h10		Open discussion					



Pai	rallel	sessions 7	Wednesday 01/06 - 16h >17h40		ROOM 2		
	Chair: Marloes Kraan						
Theme	E-6				First author	Institute	
16H00- 16h20	138	, , , ,	articipatory governance across scales and purposes. To what extent can inshore fishing communities shape their future?			University of East Anflia	
16h20- 16h40	172	,	ent Index: Factors affecting fisheries ock status in major fishing countries		Michael Melnychuk	University of Washington	
16h40- 17h00	195		The fabric of the sea government: Integrating the political dimension in the studies of the "governance" of social-ecological systems		Mazé Camille	LEMAR - IUEM - Université de Bretagne Occidentale	
17h00- 17h20	252	•	ethod for Assessing Marine Resource trative Study of Fisheries Governance in the European Union	n the	Willow marz	Environmental Defense Fund	

Poster				
Theme E	ID		First author	Institute
	257	Future MPA of Gouraya: Assessment and Lessons Learned from the Stakeholders Integration Experience	Amina Bouamour	Ecole Nationale Supérieure des Sciences de la Mer et d'Aménagement du Littoral (ENSSMAL)
	258	Assessing the implementation of the algerian coastal law Case: West localities of Agiers	Nawel Khelil	Ecole Nationale Supérieure des Sciences de la Mer et d'Aménagement du Littoral (ENSSMAL)
	259	Management and development of Protected Marine Areas example: Taza National Park, Jijel	Katia Abbad	Ecole Nationale Supérieure des Sciences de la Mer et d'Aménagement du Littoral (ENSSMAL)



THEME F - Integration: lessons learned from practical case studies

Pa	rallel s	essions 3	Tuesday 31/05 - 14h>15h40		ROOM 3				
	Chair : David C. Smith								
Theme	F-1			First author	Institute				
14H00- 14h20	F-C 101	Management of ma world	rine environments in a changing	Anders Grimvall	Swedish Institute for the Marine Environment				
14h20- 14h40	35	socio-economic vulr	Norwegian fisheries? Assessing the nerability of the Norwegian fishery of ocean acidification	Luise Heinrich	Lund University				
14h40- 15h00	80		nts and growth trajectories after a sons from a small Island economy	Le Floc'h Pascal	Université de Bretagne Occidentale / UMR AMURE				
15h00- 15h20	82	•	s a promising new approach and nvironmental constraints and Growth"?	le Gouvello Raphaëla	Université de Bretagne Occidentale / UMR AMURE				
15h20- 15h40		Open discussion							

Pa	rallel s	essions 4	Tuesday 31/05 - 16h >17h40		ROOM 1				
	Chair : Doug Lipton								
Theme	F-2			First author	Institute				
16H00- 16h20	186	understand historic	olinary methods help us better cal community adaptations to nge in order to develop culturally pative coastal adaptation policies	Céline Surette	Université de Moncton				
16h20- 16h40	112	Multi-criteria analy	sis of the Icelandic cod fishery	Sveinn Agnarsson	University of Iceland				
16h40- 17h00	F-C 116	Mapping marine so framework	cial science research: A conceptual	Rolf Groeneveld	Wageningen University				
17h00- 17h20		Open discussion							



THEME F - Integration: lessons learned from practical case studies

Pa	aralle	l sessions 5	Wednesday 01/06 - 10h30>12h3	30	ROOM 1
			Chair : David C. Smith		
Theme	F-3			First author	Institute
10H30-	183		for the right problem: how catch	Alan C. Haynie	NOAA Fisheries Alaska
10h50		•	rograms are being utilized and how		Fisheries Science Center
		they can be improved			
10h50-	130	Effects of the EU CFP of	discard landing obligation analyzed	Igor Celic	OGS - National Institute
11h10		with an ecosystem mo	del in the Gulf of Trieste, Adriatic		of Oceanography and
		Sea, Italy			Experimental
					Geophyisics
11h10-	40	Voices from the shore	– Icelandic coastal communities in	Matthias	University of Iceland
11h30		times of fisheries priva	atisation	Kokorsch	
11h30-	197	Does Ecosystem-Based	d Fisheries Management suit all	Javier Porobic	CSIRO - University of
11h50		•	ly with Chilean fisheries.		Tasmania
11h50-		Open discussion			
12h10					
12h10-					
12h30					

Pa	rallel	sessions 6	Wednesday 01/06 - 13h30 >15h3	0	ROOM 1			
	Chair : Jason Link							
Theme	F-4			First author	Institute			
13H30-	212	Integrated manager	nent plan proposal for a small-scale	Yerko	University of Concepción			
13h50		mussel growing orga	anization in Chiloe island	Alejandro				
				Yutronich				
				Briceño				
13h50-	239	Applying socio-econ	omic and ecological criteria in the	Griffin	New Economics			
14h10		allocation of fishing	opportunities	Carpenter	Foundation			
14h10-	160	Modelling impacts of	f offshore wind farms on trophic	RAOUX Aurore	UNICAEN			
14h30		web: the Courseulle	s-sur-Mer case study, an example of					
		cumulated impacts						
14h30-	162	Dynamic simulation:	s of the Seine estuary food web:	TECCHIO	UNICAEN			
14h50		Towards a holistic a	nd integrated approach of	Samuele				
		management scenar	rios on ecosystem functioning					
14h50-		Open discussion						
15h30								



THEME F - Integration: lessons learned from practical case studies

Parallel sessions 7			Wednesday 01/06 - 16h >17h40	0	ROOM 1			
Chair : Jörn Schmidt								
Theme	F-5			First author	Institute			
16H00- 16h20	51	Economic Integration in the Chesapeake Bay Program, Too Little, Too Late?		Doug Lipton	NOAA Fisheries			
16h20- 16h40	F-C 129	Are Integrated Ecosystem Assessments doomed from the start?		Dorothy J. Dankel, PhD	University of Bergen			
16h40- 17h00	133	Fisheries and the operationalization of sustainability		Matilda Valman	Stockholm Resilience Centre			
17h00- 17h20	55	Modeling to uncover social factors in small scale fisheries: The Bayesian story of many and varied fisheries		Ingrid van Putten	CSIRO			
17h20- 17h40		Open discussion						

Parallel sessions 8		sessions 8	Thursday 02/06 - 10h30>12h30)	ROOM 1		
Chair : Doug Lipton							
Theme	F-6			First author	Institute		
10H30- 10h50	219	Managing toward the triple bottom line: why qualitative social science is needed for quantitative trade-off analyses.		Phillip Levin	NOAA Fisheries		
10h50-	208	,		François	Agences des aires		
11h10		Diagnosis: Feedback f	from the VALMER Project in the	Morisseau	marines protégées		
11h10- 11h30	220	When Resource users' perceptions drive MPA social acceptance: the case of Reunion island natural reserve		Gilbert David	IRD, UMR Espace Dev		
11h30- 11h50	165	Food-web models and political decision: what could be learned from simulations of cumulated impacts on the Baie of Seine food-web properties?		Niquil Nathalie	UNICAEN		
11h50- 12h30		Open discussion					

Poster									
Theme F	ID		First author	Institute					
	94	Balearic Islands boat seine fisheries: the transparent goby fishery an example of co-management	Beatriz Morales-Nin	IMEDEA CSIC/UIB					

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