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**The 2<sup>nd</sup> International Symposium on Integrated Coastal Zone Management  
Arendal, Norway, 3 – 7 July 2011**

Hosted by  
**THE INSTITUTE OF MARINE RESEARCH, Norway**

Venue: Tyholmen hotel and Thon Hotel, Arendal

**1. Background and themes**

**Background**

The coastal zone includes both coastal waters and the narrow strip of land separating the marine and terrestrial environment. The coastal zone thus offers a myriad of goods and services ranging from production to protection. Despite its relatively small share of the global surface, this zone is highly productive and sustains a high biodiversity. Growing pressure from increasingly diverse human activities coupled with climate change impacts threaten the functional integrity of these coastal ecosystems. A multi-disciplinary approach towards understanding drivers, pressures and impacts in the coastal zone requires effective integration of data and information in policy and management.

The first International Symposium on Integrated Coastal Zone Management (ICZM) was hosted by the Institute of Marine Research, Norway and held in Arendal, Norway, on June 11-14, 2007. The international attendance and multi-disciplinary contributions to this symposium demonstrated the need for international fora for discussing and developing integration of science and policy, and for further symposia on this topic. This first symposium was particularly successful in bringing together people representing different disciplines, including managers. All lectures were carried out in plenum, which meant that scientists in different disciplines and managers had the opportunity to listen and learn from each other, resulting in a special atmosphere important for breaking down barriers.

The second ICZM symposium will again be hosted by the Institute of Marine Research, Norway in Arendal, Norway, and held on July 3 – 7, 2011. This multi-disciplinary international conference is intended to promote science and integration of knowledge for the sustainable management of coastal resources. It will provide a venue for scientists, engineers, managers and policy-makers to discuss recent advances and innovative ideas, to share experiences and to develop networks.

## Themes and WS:

### 1. Coastal habitats and ecosystem services

- Importance of coastal habitats for fish stocks and biodiversity
- Goods and services of the coastal systems
- Indicators of coastal ecosystem health
- Valuation of ecological qualities
- Indicators of sustainability (societal, ecological)
- Indigenous value of coastal habitats
- Vulnerability assessment
- Utilization of modern seabed- and habitat mappings

### 2. Adaptation/mitigation to change in coastal systems

- Coastal tourism and urbanisation
- Eutrophication and pollution
- Invasive species
- Pulse impacts (regional flooding, oil spills)
- Maritime Transport
- Coastal renewable energy
- Cumulative impacts
- Habitat destruction and modification
- Coastal use and coastal defence

### 3. Coastal governance

- Managing multiple resource and area uses
- Multi-scale governance structures
- Involving stakeholders in Coastal Zone Management (CZM)
- Scales of stakeholder involvement
- The role of dissemination and public perception in coastal policies
- Lessons learned (especially related to evolving/adaptive management)

### 4. Linking science and management

- How can indicators be useful to improve management practices
- Information needs for policy making and management
- Linking watersheds and the coastal zone
- Linking Coastal Zone Management and marine value creation (fisheries and aquaculture)
- Managing water resources (water quality and supply)
- Preserving cultural heritage and local coastal communities
- Resolving problems of scale and seasonality
- Integrating science advice into policy decisions

## Workshops:

### WS 1: Integrated modeling of social and ecological coastal systems

- The system approach
- Modeling tools and communities
- System dynamic modeling
- Agent based modeling
- Status of available models
- Applications



## **WS 2: Future management instruments**

- Ecosystem based management (EBM)
- Marine Protected Areas (MPA)
- Marine Spatial Planning (MSP)
- Integration of on- and off-shore planning
- Incentives versus regulatory instruments
- Deliberation tools

## **Special Poster session:**

### **Poster 1: Regional overview and ongoing projects**

- Regional Marine and Coastal strategies
- Ongoing larger projects

### **Poster 2: Regionalisation of climate change scenarios**

- Climate change
- Urbanisation

## **2. Convener, Int. Scientific - and National and Local Organising Committee**

**Convener:** Erlend Moksness, IMR

### **International Scientific Committee:**

Chairperson: Josianne Støttrup, Denmark

Joe Arbour, Canada  
Cedric Bacher, France  
Denis Bailly, France  
Benedict Balderrama, Philippines  
Vivian Montecino Banderet, Chile  
Evgenyi I. Barabanshchikov, Russia  
Biliana Cicin-Sain, USA  
Einar Dahl, Norway  
Ragnar Elmgren, Sweden  
Thomas Sawyer Hopkins, Italy  
Victoria J. Isaac, Brazil  
Gerard M. Janssen, The Netherlands  
Masahide Kaeriyama, Japan  
Andreas Kannen, Germany  
Merle Looring, Estonia  
Beatriz Morales-Nin, Spain  
Melissa Nursey-Bray, Australia  
Stephen Olsen, USA  
Alan Pickaver, EUCC  
Chang Ik Zhang, Korea

### **National and Local Organising Committee**

Chairperson: Einar Dahl, IMR

Eva Degre, DN  
Carsten Hvingel, IMR  
Svein Jentoft, UiT  
Jan Atle Knutsen, IMR  
Thomas C. Langeland, Fiskeridirektoratet  
Eirik Mikkelsen, NORUT  
Alice Newton, NILU  
Audun Sandberg, BUC  
Jan Henrik Sandberg, Fiskarlaget  
Ragnar Sandbæk, Fiskeridirektoratet  
Morten Sørensen, GRID Arendal  
Heidi Thygesen, IMR  
Mats Walday, NIVA



### 3. Overview timetable

#### **Sunday 3 July 2011**

1700 - 2200 Registration

1900 - 2200 Welcome reception. Host: Arendal kommune

#### **Monday 4 July 2011**

0800 - 0900 Registration

0830 - 0900 Opening ceremony

0900 - 0945 **Introductory lecture**

1000 - 1800 **Theme 1: Coastal habitats and ecosystem services**

1400 - 1800 **WS 1: Integrated modeling of social and ecological coastal systems**

1400 - 1800 **WS 2: Future management instruments**

1930 - 2130 Reception at Institute of Marine Research

#### **Tuesday 5 July 2011**

0900 - 1700 **Theme 2: Adaptation/mitigation to change in coastal systems**

1700 - 1900 **Poster Session**

1700 - 1900 **Special Poster Session: Regional overview and ongoing projects**

1700 - 1900 **Special Poster Session: Regionalisation of climate change scenario**

#### **Wednesday 6 July 2011**

0830 - 1530 **Theme 3: Coastal governance**

1530 - 1800 **Special session: Elinor Ostrom; The Commons perspective – influences on ICZM practices**

2000 Banquet at Tyholmen hotel

#### **Thursday 7 July 2011**

0900 - 1500 **Theme 4: Linking science and management**

1500 - 1545 Summing by Session Chairmens; Synthesis and future directions

1545 - 1600 Awards - closing remarks

#### 4. Important dates

*15 January 2011 - Abstract submission deadline*

*1 March 2011 - Abstract acceptance notification*

*1 April 2011 - Early registration deadline*

*3 – 7 July 2011 - Symposium*

*6 July 2011 - Manuscript submission deadline*

#### 5. Publication:



WILEY-  
BLACKWELL

The Symposium proceedings will be published **Wiley-Blackwell Publishing**.

[http:// www.wiley.com](http://www.wiley.com)

Papers, including those based on poster presentations, will be considered for publication following peer review. To ensure timely publication, contributors are asked to bring their manuscripts to the meeting in a standard format. Since the proceeding will be restricted to 350 pages, this will allow approximately 30 papers of 10 pages apiece. These must pass the review process and meet the deadlines to be included in the symposium volume. The absolute deadline for acceptance of papers to the proceedings volume is July 12, 2011.

Copies of the proceedings will be sent to all registered Symposium participants by December 2012.

#### 6. Accommodations

	Single room	Double room*
<b>Clarion Hotel Tyholmen, Arendal</b>	( ) NOK 1095	( ) NOK 1295
<b>Thon Hotel Arendal, Arendal</b>	( ) NOK 1095	( ) NOK 1295
<b>Park Inn Arendal</b>	( ) NOK 1095	( ) NOK 1295
<b>Arendal Herregård</b>	( ) NOK 1195	( ) NOK 1395
<b>Strand Hotel, Fevik</b>	( ) NOK	( ) NOK

**\* Payment for total number of persons in double room – 2 persons**

**Total capacity: 245 rooms**

## 7. Budget

Number participants	4 days		3-7 July 2011			
	200					
Number of students						
	20					
	In (NOK)	Out (NOK)	Comments	2010	2011	2012
Leie motelokale (Tyholmen/Lyd&bilde)		48 000,00			48 000,00	
Kaff etc. 1 x pr dag i 4 dg		80 000,00			80 000,00	
Leie motelokale (Thon. -møter)		10 500,00			10 500,00	
Kaff etc. 1 x pr dag i 4 dg		21 000,00			21 000,00	
Banquet á 650,-		143 000,00			143 000,00	
Culture		35 000,00			35 000,00	
Mottagelse HI a kr. 345+100		97 900,00			97 900,00	
Travel + per diem Invited speakers		100 000,00	9 pers.		100 000,00	
Administration						
Timekostnader		100 000,00		10 000,00	30 000,00	10 000,00
Travel		50 000,00		10 000,00	30 000,00	10 000,00
Bags		40 000,00			40 000,00	
Poster session: Poster stands		70 000,00			70 000,00	
Poster session: Room		7 500,00				
Print materiale		40 000,00		20 000,00	10 000,00	
Book of Abstract		90 000,00			90 000,00	
Mail-distribution -printed material		30 000,00		10 000,00	10 000,00	
Publication		270 000,00	Wiley-Blackwell			270 000,00
Registration	585 000,00				585 000,00	
Institute of Marine Research	170 000,00			50 000,00	100 000,00	20 000,00
The Research Council of Norway	250 000,00				250 000,00	
Fiskeri- og havbruksnæringens forskningsfond	50 000,00				50 000,00	
					0,00	
Others	177 900,00				177 900,00	
sum	1 232 900,00	1 232 900,00		Out 50 000,00 In 50 000,00	815 400,00 1 162 900,00	290 000,00 20 000,00

Early Registration Fee: NOK 3000 (Students NOK 1500)

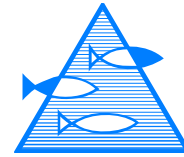
Late Registration Fee: NOK 4000 (Students 2000)



8. Primary sponsors, Co-sponsoring Organizations and contact information

## Primary Sponsors

**Institute of Marine Research, Norway**



International Council for  
the Exploration of the Sea  
Conseil International pour  
l'Exploration de la Mer

**ICESCIEM**



## Co-sponsoring Organizations



### Information / Contact:

<http://www.imr.no/iczm>

email: [iczm2011@imr.no](mailto:iczm2011@imr.no)