

BIENNIAL ACTIVITY REPORT 2008-2009

CENTRE FOR MARITIME RESEARCH

[MARE]

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1. Introduction

It is my pleasure to present the first Biennial Report of the Centre for Maritime Research (MARE). For reasons of staff availability, we have henceforth decided to concentrate the writing of these activity reports in non-conference years.

The MARE team continues to be based at the Faculty of Social Sciences of the University of Amsterdam (AMIDSt/AISSR and ASSR), and at the Social Sciences Department of Wageningen University (RDS, ENP, and LAW). However, the composition of the team and the MAST Editorial Board increasingly represents the global network we wish to be, with overseas members in Ireland, Canada and Norway, and with a large number of institutional partners abroad. We are particularly happy to welcome Svein Jentoft (University of Tromsø), who is an old friend and associate, as chief editor of *Maritime Studies (MAST)*.

Maritime and coastal research is widely recognized as important, partly because of the debate on sea level rise and global warming, but also in view of the global fisheries crisis. As the following pages will testify, MARE members have contributed cutting edge research projects, teaching and training modules, and publications to the field. Rob van Ginkel's new monograph, *Braving troubled waters*, realized in 2009, is a particularly memorable achievement, marking as it does more than 20 years of scholarship in the fisheries sector.

MARE team members are involved in an increasing number of Masters and PhD supervisions, both in the University of Amsterdam and Wageningen University. Many of them are from overseas countries and higher education institutions in the South, particularly from India, Indonesia, Sri Lanka, and Vietnam.

In July 2009 we organized the MARE 5th international conference *People and the Sea* entitled: 'Living with Uncertainty and Adapting to Change'; this conference took place in Amsterdam, the Netherlands, from July 9-11. We were very honoured with the presence of HRH Prince Willem Alexander of the Netherlands who gave the opening speech emphasizing the relevance of the MARE conference in relation to climate change. More than 150 people participated in the conference. Over the years, the MARE conferences have been able to attract a core of senior social science researchers, as well as an increasing number of younger international participants from policy centers and higher education institutes from all over the world. Apparently the biennial conferences have gained considerable status over the years, and the participants at the conference voted in favor of the organization of the next conference in two rather than three years time, in 2011.

For the second time the MARE Conference was preceded by a Policy Day on: 'Dealing with sea-level rise in deltaic regions: an international comparison'. Both the conference and the policy day were well-attended and successful.

Leontine Visser
Chair, MARE Executive Committee

2. Research

Most of the MARE researchers are members of the Dutch Social Science Research School for Resource Studies for Development (CERES), in particular of its Working Program 1 (Natural Resource Management). In 2007 the Board of CERES recognized the importance of the marine and coastal research carried out by the MARE team by ascribing to MARE the status of a CERES pathway.

The research and the educational activities of MARE can be clustered according to four main thematic domains:

- I. Livelihoods
- II. Competing claims
- III. Culture & history
- IV. Governance & Integrated Coastal Management (ICM)

The following scheme presents the different research activities and the domains they represent, while the preceding number relates to their sequence in this annual report.

Research projects	Themes
1. Fisheries Governance Network (FISHGOVNET)	I / IV
2. Ecosystems, Societies, Consilience, Precautionary Principle (ECOST)	I / IV
3. Building Capacity for Sustainable Governance in South Asian Fisheries: Poverty, Wellbeing and Deliberative Policy Networks' (shortened to 'Building Sustainable Governance (BSG)	I / IV
4. Sea Piracy and Robbery in East and Southeast Asia. Ports, Pirates and Hinterlands: Historical and Contemporary perspectives	II / III
5. Governing Small-scale Fisheries for Wellbeing and Resilience: A Canada-WorldFish Center Collaborative Research Program	I / IV
6. Pro-poor Pangasius: upgrading value-chains for improved rural livelihoods and environmental performance	I
7. Rebuilding resilience of coastal populations and aquatic resources: habitats, biodiversity and sustainable use options (RESCOPAR)	I / IV
8. Assessment of regional value chains for promoting sustainable fisheries development in the Mekong Delta	IV

2.1 Fisheries Governance Network (FISHGOVNET)

Keywords: sustainability, fisheries, food security

Coordinator: Dr. Maarten Bavinck

Other members: Prof. Dr. Jan Kooiman (chair), Dr. Derek Johnson, Iris Monnereau (PhD Candidate).

Duration: August 2001 - present

Funding agency: initial funding from EC INCO-DEV (PL ICA4-2000-10023),

In collaboration with: academics and policy researchers in 18 countries.

FISHGOVNET network is the successor of FISHGOVFOOD, which was funded by the European Union in the period 2001-2004. The FISHGOVFOOD network developed an interdisciplinary and intersectoral approach to the governance of fisheries and food security, with special reference to coastal developing countries. Project outputs consisted of an academic volume and a policy workbook on interactive governance of fisheries, published in 2005.

The network realized a special issue on governability of aquatic resources in the journal *Transdisciplinary Environmental Studies (TES)*, and also organized panels on the interactive governance approach at the Resilience Conference in Stockholm (April 2008), the American Fisheries Society conference in Ottawa (August 2008), and the MARE People and the Sea V conference (July 2009). It is now also planning an edited volume on the topic of governability (eds. M. Bavinck and R. Chuenpagdee).

2.2 Ecosystems, Societies, Consilience, Precautionary Principle (ECOST)

Keywords: sustainability, fisheries, assessment model

Coordinator sociology stream: Dr. Maarten Bavinck

General co-ordinator: Dr. Pierre Failler (CEMARE, University of Portsmouth)

Other members: Iris Monnereau (PhD candidate)

Starting date: October 2005

Funding agency: EC INCO-DEV 6th framework program.

In collaboration with: 15 institutes in 13 countries

Website: www.ecostproject.org

The ECOST project (2005-2010) aims to develop an interdisciplinary assessment model for measuring the societal costs of capture fisheries. It includes three disciplinary streams: marine ecology, economics, and sociology. MARE is in charge of the sociology stream and has one PhD candidate carrying out research in the Caribbean. The draft model that will be developed in the first project phase will then be tested and refined in three regional settings, including South-East Asia, the Caribbean, and West Africa.

The project faced a major lapse in 2008 due to funding difficulties, resulting in a slowdown of work in progress. Plans for a special issue on job satisfaction in fisheries in the *Journal of Social Indicators*, to be edited by Richard Pollnac and Maarten Bavinck were elaborated at the Bangkok meeting of ECOST (March 2008). MARE hosted a follow-up meeting of ECOST in Amsterdam in March 2009, and also provided space for a special policy session at the People and the Sea Conference V (see section 4.1). In November 2009, Maarten Bavinck visited the University of Rhode Island to confer with Richard Pollnac on the special issue. In the meantime, Iris Monnereau has continued work on the lobster fisheries in three Caribbean countries. She also took charge of organizing the 3rd meeting of the Latin American section of the project in Corn Island, Nicaragua, in June 2009.

2.3 Building Capacity for Sustainable Governance in South Asian Fisheries: Poverty, Wellbeing and Deliberative Policy Networks' (shortened to 'Building Sustainable Governance (BSG)

Keywords: Human wellbeing, marine ecosystem services, South Asia

Co-ordinator: Prof. J.A.McGregor (IDS, Sussex), Dr. S Coulthard (UU)

Other members: Dr. Maarten Bavinck (UvA), Prof. R.Ramesh (Anna University, India), Dr Ajit Menon (MIDS, Chennai India), Dr. Oscar Amarasinghe (Ruhuna University, Sri Lanka)

Duration: 2009 - 2010

Funding agency: UK Research Councils (NERC, ESRC) and the Department of International Development, Ecosystem Services and Poverty Alleviation Programme (ESPA) [£150,000]

The Building Sustainable Governance project was a 12 month pilot project which brought together a range of scientific, policy and political actors involved in the fisheries sector in South Asia to develop and strengthen nascent deliberative policy networks. These networks seek to advance new forms of solutions to accommodate the clash between ecosystem service sustainability and the needs of human development and poverty alleviation, with a particular focus on fisheries. The project drew from two emergent bodies of research experience: work on Wellbeing in Developing Countries (McGregor 2004, Gough and McGregor 2007) and Interactive Governance in fisheries (Kooiman *et al.* 2005). Three workshops were held in South Asia during 2009 and brought together members of fishing communities, civil society, scientists, politicians, and regional fisheries policy makers to build capacity to work with a wellbeing approach in the context of poverty and fisheries governance in South Asia. Each workshop produced a series of working papers that addressed key concerns of ecosystem health and poverty alleviation in the regional contexts, and highlighted specific fisheries-conservation conflicts. An outcome of the final workshop was the creation of a new Human Wellbeing and Coastal Resilience network (www.wellcoast.org), which forms a central hub to connect the many existing and potential activities around the Building Sustainable Governance project and acts as a global dissemination platform for research outputs and on-going dialogue.

2.4 Sea Piracy and Robbery in East and Southeast Asia. Ports, Pirates and Hinterlands: Historical and Contemporary Perspectives

Coordinator: Dr. John Kleinen

Duration: extension 2008 - 2010

Funding agency: International Institute of Asian Studies (IIAS) and Asia-Europe Meeting (ASEM)

Maritime piracy is one of the contemporary focal points of media attention. Together with governments and military experts, they tend to link international terrorism and maritime piracy as an ongoing threat of the post-Cold War era.

In particular, the waters of Southeast Asia, traditionally a major hub and a lifeline between the Middle East and Japan, are seen as a future battlefield. A book publication was realized in 2008 with ISEAS, Singapore. The book series has added two new publications for 2010, bringing the total number to six.

2.5 Governing Small-scale Fisheries for Wellbeing and Resilience: A Canada-WorldFish Center Collaborative Research Program

Keywords: small-scale fisheries, wellbeing, governance

Coordinator: Derek Johnson

Other members: Dr. Ratana Chuenpagdee, Dr. Christophe Béné, Dr. Eddie Allison, Dr. Derek Armitage, Dr. Tony Charles, Dr. Grant Murray, Dr. Ian Perry, Dr. Nireka Weeratunge

Duration: 2009-2012

Funding Agency: Canadian International Development Agency

The Governing Small-scale Fisheries project seeks to examine whether wellbeing is a useful conceptual basis on which to connect development and fisheries governance concerns in small-scale fisheries. In particular, the project aims to provide useful guidance for the WorldFish Center in its policy support work for fisheries and aquaculture in its priority countries. The project is not undertaking any significant new empirical work, but is linking with other ongoing research in Newfoundland, Vietnam, and Ghana.

2.6 Pro-poor Pangasius: Upgrading Value-chains for Improved Rural Livelihoods and Environmental Performance

Keywords: Aquaculture, Pangasius, Vietnam, certification, value-chains

Coordinator: Prof. Nguyen Tri Khiem (AGU)

Other members: Dr. Simon R. Bush (WUR), Dr. Vo Thi Thanh Loc (CTU), Dr. Le Xuan Sinh (WUR), Dr. Nguyen Minh Chau (AGU)

Duration: November 2007 – March 2010

Funding agency: IDRC

In collaboration with: An Giang University, Wageningen University, Can Tho University

The purpose of the project is to assist Pangasius farmers and small-scale fishers to respond to the existing and future challenges of maintaining access and reducing vulnerability to domestic and global markets, while encouraging the improved use of aquatic resources in An Giang and the Mekong Delta. The main research objective is to facilitate poor and marginalized groups within the Pangasius value chain to identify and employ upgrading strategies for improving their livelihoods. The research will focus on existing and required social and economic capabilities of farmers and fishers to effectively maximize the value of their produce through improved access to regional and international markets, while at the same time improving the environmental performance of Pangasius aquaculture production.

This will directly facilitate the creation of alternative production opportunities for the poor to improve livelihoods by improving their access to and position in new and existing value chains.

The research is driven by four key action oriented sub-objectives:

1. Analysis of farmers' and fishers' livelihoods and comparison of alternative livelihood pathways and trade-offs of fishing and agricultural communities in An Giang province, identifying and implementing possible upgrading strategies to improve farmer access to food quality and safety standards as well as environmental and social standards.
2. Analysis of the role and capacity of women as traders and small-scale processors, and support them to improve their division of labor at farm level and strengthen their bargaining power within both local and global supply chain.
3. Improving the capacity of provincial and district governments and An Giang Fisheries Association in the development of value chains and identify key interventions for improved policy and legislation.
4. Facilitating the participation of certifiers and processing companies in setting social and environmental production standards and identify how they can better support farmers to meet their requirements.

2.7 Rebuilding resilience of coastal populations and aquatic resources: habitats, biodiversity and sustainable use options (RESCOPAR)

Keywords: integrated coastal development, fisheries, shrimp fisheries and aquaculture, livelihoods, governance, certification, decentralization, Indonesia, Vietnam.

Coordinators: Prof. Dr. Johan Verreth (WUR/AFI), Roel Bosma, Paul van Zwieten (WUR/AFI).

Supervisors social sciences: Prof. Dr. Leontine Visser (WUR/RDS); Prof. Dr. Han van Dijk (WUR/LAW), Dr. S. Bush (WUR/ENP).

Other members: four social science PhD candidates: Bambang Gunawan (UnMul/RDS), Rini Kusumawati (UGM/RDS), Tran Thi Phung Ha (CTU/LAW/RDS); Tran Thi Thu Ha (CTU/ENP/LAW).

Duration: September 2006 - 2010

Funding agency: Wageningen International Research Fund for Development (WUR/INREF)

In collaboration with: Universitas Gadjah Mada, Yogyakarta; Mulawarman University, Samarinda, Indonesia; Can Tho University, Vietnam.

The RESCOPAR project is an interdisciplinary research project (2006 – 2011) aiming to contribute to sustainable management of the exploitation of marine living resources in mangrove and near shore estuarine ecosystems in Vietnam and Indonesia, with special concern for shrimp fisheries and aquaculture and the objectives of an international certified shrimp trade. It is carried out by nine Sandwich PhD students supervised by ten Wageningen chair holders from the social and natural sciences. The following research schools are involved: CERES, WIAS, PE&RC, WIMEK. The PhD researchers started in March 2007 in Wageningen and began their field research by September-November that same year. During their stay at WU a lecture series and integrative research workshops with supervisors and PhDs were organized. A research workshop was organized in Wageningen, 30-31 August 2007.

Leontine Visser supervises the PhD researchers in Kalimantan (Berau Delta) on governance and decentralization in relation to shrimp fisheries and international trade, Marine Conservation Area management, and on coastal livelihoods. The four PhD students, Bambang Gunawan, Rini Kusumawati, Tran Thi Phung Ha, and Tran Thi Thu Ha were in the field most of 2008 and 2009. They all presented papers on the Vth MARE Conference in 2009. Simon Bush and Leontine Visser were involved in the preparation of a paper on Scenarios for resilient shrimp aquaculture in tropical coastal areas.

2.8 Assessment of regional value chains for promoting sustainable fisheries development in the Mekong Delta

Keywords: global value chains, fisheries, governance, certification, fisheries regimes.

Coordinators: Dr. Vo Thi Thanh Loc (CTU)

Other members: Dr. Simon R. Bush (WUR), Hap Navy (IfREDI) Dr. Le Xuan Sinh (CTU), Prof. Nguyen Tri Khiem (AGU)

Duration: August 2009 - 2009

Funding agency: SIDA. January 2008-2009

The project aimed to understand and analyze the function and effectiveness of domestic and regional fisheries product value-chains as well as GIS fisheries management in the Mekong Delta of Cambodia and Vietnam, and then to identify key policy interventions at local, national and regional scales to further improve small-scale rural livelihoods, competitive advantages of fisheries products and management and development of the aquatic resource-base.

More specifically the project consisted of the following:

- Describe, map and analyze the function and composition of major domestic and/or regional fish product value-chains in the Delta (cultured fish – snack head and/or Pangasius catfish; and low value wild fish)
- Identify key constraints and problems faced by various stakeholders in domestic and regional value-chains
- Manage fisheries development by Geographic Information System (GIS)
- Provide innovative solutions that create an effective domestic and regional environment that enable better effective value-chain governance arrangements supporting farmers' livelihoods and responsible resource management

3. Education and Training

The educational and training activities of MARE are also clustered according to the four main thematic domains:

- I. Livelihoods
- II. Competing claims
- III. Culture & history
- IV. Governance & Integrated Coastal Management (ICM)

The following scheme presents the different educational and training activities and the domains they represent, while the preceding number relates to their sequence in this annual report.

Education & Training	Themes
1. From postgraduate to professional – a partnership for the development of a course for professional capacity in coastal zone managers (COASTAL PROFS)	IV
2. Reducing poverty and enhancing equity in artisanal fisheries of post-war Sierra Leone	I / IV
3. Ocean and Coastal Governance	IV
4. Marine environmental quality and governance	IV
5. People and the Sea Lecture Series	I / II / III / IV
6. Property rights, natural resources and conflict	II
7. Water! Governance of aquatic resources and environments	II / IV

Projects

3.1 From postgraduate to professional – a partnership for the development of a course for professional capacity in coastal zone managers (COASTAL PROFS)

Keywords: interdisciplinarity, ICM, capacity building, curriculum development.

Project leader: Prof. Dr. Leontine Visser (WUR/RDS)

Coordinator: Dr. Maarten Bavinck (WUR/RDS based); WUR is the lead partner.

Other participants: Dr. Sarah Coulthard (UvA), Dr. Dik Roth (WUR)

Funding agency: European Commission – Asia Link (Proj.nr. Asia/2005/108442)

Duration: March 2006 – February 2008

In collaboration with: Envision, Newcastle, UK; The University of Algarve, Portugal; Anna University, Chennai, India; Can Tho University, Vietnam.

Website: www.coastalprofs.eu

Coastal Profs was a two-year (2006 - 2008) collaboration to develop a three - module social science programme within the natural sciences masters curricula of the partner institutes. The modules on integrated coastal zone management were developed and piloted in two settings in 2007. An internet version of the training manual was completed and placed online as the project terminated in March 2008. A printed version of the manual is now being prepared, and shall be published by Eburon Academic Publishers in 2010.

3.2 Reducing poverty and enhancing equity in artisanal fisheries of post-war Sierra Leone

Keywords: fisheries, higher education, governance

Responsible team member: Dr E.T. Ndomahina (University of Sierra Leone)

Other members: Dr Andy Thorpe (University of Portsmouth), Dr Maarten Bavinck (UvA), Dr Sarah Coulthard (UvA)

Duration: 2007-2010

Funding agency: British Council (Development Partnerships in Higher Education – DeIPHE, £ 90,000)

The aim of this 3-year project, which links the University of Sierra Leone with two universities in Europe, is to enhance capacity in the socio-economic aspects of fisheries management and identify constraints and opportunities presented in fisheries governance. Maarten Bavinck and Sarah Coulthard joined a team from the University of Portsmouth in June 2008 for a one-week training in Freetown on fisheries governance. The next teaching input will take place in June 2010.

Courses

3.3 Ocean and Coastal Governance

Keywords: marine, coastal, governance

Responsible team member: Drs. Judith van Leeuwen (WUR)

Other members: Dr. Simon Bush (WUR)

Starting date: March (annually)

Credits: 6 ECTS

Institutional setting Part of the BSc Minor program *Marine Living Resources* at Wageningen University.

The course Ocean and Coastal Governance introduces students to the pressures faced by oceans, seas and coastal areas related to produce food, energy, trade and tourism. The course takes into consideration the high cultural, social and monetary value of ocean and coastal ecosystems and the implications this holds for actors competing for the right to use a range of interdependent natural resources. Against this social, political and ecological complexity of ocean and coastal areas the course challenges students to think about equitable and effective governance.

3.4 Marine environmental quality and governance

Keywords: marine, coastal, governance

Responsible team member: Dr. Simon Bush (WUR)

Other members: Prof. Tinka Murk (WUR), Prof. Bart Koelmans (WUR), Dr. Art Dewulf (WUR)

Starting date: November (annually)

Credits: 6 ECTS

Institutional setting: Core course in the program Management of Marine Ecosystems at Wageningen within the Masters of Environmental Sciences at Wageningen University.

Environmental quality is fundamental to the healthy functioning of marine and coastal ecosystems which in turn support human cultural, social and economic activities. To estimate and reduce the risk of poor environmental quality, policy makers require a sound technical understanding of marine and coastal biological and physico-chemical processes, as well as of the social, administrative and economic forces determining the use of the marine environment. This course enables students to explore the possible role for science in the public policy process by bringing together key concepts in environmental toxicology, water quality, public administration, and environmental governance. In the first half of the course students become acquainted with technical skills required to gather, process and interpret data on environmental toxicology and water quality, as well as with relevant social science theories on the relationship between science and politics in the public policy process. In the second half of the course students participate in a policy simulation in which they generate, interpret and present scientific data needed to estimate and reduce the risk associated with poor environmental quality in marine and coastal areas. The course caters for students with a background in either natural or social sciences by providing a unique opportunity to integrate both perspectives into a practical process of marine environmental research and policy.

3.5 People and the Sea Lecture Series

Keywords: interdisciplinarity, society, nature, coasts, oceans

Responsible team member: Dr. Maarten Bavinck

Other members: Prof. Dr. Leontine Visser, Dr. John Kleinen, Dr. Rob van Ginkel, Melanie Minnaard (MA), Maaïke Knol (MA).

Starting date: 2004

Credits: 6 (10) ECTS

Institutional setting: The Institute for Interdisciplinary Studies (IIS) of the UvA organizes this course in collaboration with MARE.

This interdisciplinary course has been held for 4 years now. It is intended for third year bachelors, first year masters, UvA alumni and secondary school teachers and is attended by students from a variety of educational backgrounds. The lectures are a combination of weekly presentations on topics ranging from why the sea is salty to ethical approaches for seas and oceans, and group tutorials. In 2007, it attracted approximately 30 students from various Dutch universities and disciplines.

This course was enlivened by two case studies, which the participants developed in the course of the four-month period. The first case study related to marine and coastal planning in Finnmark, Norway; the second case study was about integrated coastal zone management in Pulicat Lake, Tamil Nadu, India.

3.6 Property rights, natural resources and conflict

Keywords: natural resources, resource conflicts, rights and legal complexity

Responsible team member: Dr. Dik Roth (WUR)

Other members: Dr. Gemma van der Haar (WUR)

Starting date: 2004

Credits: 6 ECTS

Institutional setting: This is an optional course for the MSc. Programme International Development Studies, Wageningen University.

This course contributes to a deepening of students' understanding of problems related to the use, management, and governance of natural resources. The course brings together two different but closely related topics: the analysis of property rights and the analysis of conflict. One axis of the course discusses socio-legal approaches to property, legal complexity and resource governance. It thus introduces the inherent everyday conflict proneness of property. The other axis explored in the course addresses the role of natural resources in those situations where overt, violent conflict occurs.

3.7 Water! Governance of aquatic resources and environments

Keywords: fresh and salt water, multiple-use conflict, governance, interdisciplinarity.

Responsible team member: Dr. Maarten Bavinck (UvA)

Other members: Drs. Joeri Scholtens (UvA)

Starting date: 2008

Credits: 6 ECTS

Institutional setting: This course was developed by the Institute of Interdisciplinary Studies (IIS) as the introductory module of a new Minor, to be implemented by UvA and VU jointly.

This 3rd year interdisciplinary bachelor course was organized for the first time in 2008-2009 for a group of thirty students, deriving mainly from UvA but also from other universities in the Netherlands. It deals with a variety of water-related issues in the North and South, and brings in policy perspectives from different disciplines including economics, law, human geography, anthropology, hydrology, and environmental sciences.

4. Platform Activities

4.1 MARE Conference

MARE's fifth international conference 'People and the Sea V: Living with Uncertainty and Adapting to Change' was held from July 7 to 9, 2009. The conference took place in both the Waalse Kerk and in the buildings of the University of Amsterdam, both in the centre of Amsterdam. There were 152 conference participants, of whom 56 percent came from Europe, 15 percent from North America, 10 percent from Asia and 19 percent from the rest of the world.

The conference was sponsored by the University of Amsterdam, ECOST, Cordaid, International Institute for Asian Studies (IIAS), CERES Research School for Resource Studies for Development and the City Council of Amsterdam.

The conference was opened by His Royal Highness Willem-Alexander, Prince of Orange. The Keynote addresses were given by three internationally prominent scholars. Professor Edmund Penning-Rowsell is Head of the Flood Hazard Research Centre at Middlesex University, Great Britain; Alpina Begossi is Professor at the Center of Environmental Studies and Research, State University of Campinas, Brazil; and Fikret Berkes is Professor and Canada Research Chair at the Natural Resources Institute, University of Manitoba, Canada.

Professor Edmund Penning-Rowsell's Keynote was titled '*What Price the Protection of London from the Sea?*'. The Keynote analyzed the risk of flooding of London in the year 2170 using official forecasts of sea level rise, and examined the costs and benefits of different strategic options.

Professor Alpina Begossi spoke in her Keynote '*Small-Scale Fisheries in Latin America: Management Models and Challenges*' about the importance of the analysis of the background of management in Latin America, and its current practices of co-management for understanding the particularities of the small-scale Amazonian riverine fisheries and of the coastal Atlantic Forest fisheries. A revised version of her Keynote will be published in MAST 9(2).

Professor Fikret Berkes' Keynote '*Shifting Perspectives on Resource Management: Governance and Resilience Approaches for Adapting to Change*' dealt with notions of resilience in relation to adaptation to change. Professor Berkes' Keynote will be published in MAST 9(1) with three commentaries and a rejoinder to these commentaries by Professor Berkes.

The conference had 33 panel sessions, which were divided into five themes:

- Transformations in fisheries and aquaculture
- Transformations in coastal and deltaic landscapes
- Governing under conditions of uncertainty
- Culture and imaginations of coasts under change
- Whose needs count in adapting to change?

The proceedings of the conference are published on a CD-Rom which can be ordered by sending an email to info@marecentre.nl.

4.2 Policy day

The second Policy Day, which proceeded the MARE conference was held on July 8 2009 at the Waalse Kerk, in Amsterdam. The title of the Policy Day was *'Dealing with Sea-Level Rise in Deltaic Regions: An International Comparison'* and, taking the Dutch experience of the New Delta Commission as a point of departure, the objective of this policy day was to critically appraise globally emerging policies for climate adaptation of deltaic regions, both in 'the North' and in 'the South'.

There were 49 participants at the Policy Day from a wide range of backgrounds such as academics, policy makers and NGOs. The policy day was co-organised by ECOST.

The day was chaired by Mr. Frits Lintmeijer. Professor Anton Dietz, Scientific Director of the Amsterdam Research Institute for Metropolitan and International Development Studies (AMIDSt) of the University of Amsterdam, opened the Policy Day. The morning session included four speakers:

- Jos van Alphen, Senior Advisor Flood Risk Management, Ministry of Transport, Public Works and Water Management Rijkswaterstaat/Centre for Water Management. His speech was entitled: *'The Experience of the Dutch New Delta Commission and Its Relevance for Other Deltaic Regions'*.
- Carel de Villeneuve, Ministry of Transport, Public Works and Water Management, Directorate-General for Water Affairs. His speech was titled: *'The Global Ambitions of the Dutch National Water Plan and Opportunities for International Cooperation'*.
- Dr. Shapan Adnan, National University of Singapore. His speech was titled: *'Sea-Level Rise in Deltaic Regions: A South-Asian Perspective'*.
- Tran Thi Trieu, MSc, Project Consultant for Integrated Water Management in the Mekong Delta, Affiliated to the Swiss NGO Helvetas Vietnam. Her speech was titled: *'Dealing with Climate Change: Living with Flood in the Mekong Delta, Vietnam'*.

In the afternoon, workshops in subgroups were held, which were organised around 5 themes:

- What is the relevance of the new Delta Commission's recommendations for other Delta regions in Europe?
- What is the relevance of the new Delta Commission's recommendations for Delta Regions in Asia (and other parts of the developing world)?
- How can the uncertainties of sea-level rise and climate change be dealt with in policy development?
- Mutual learning: what lessons regarding adaptation, risk perceptions and vulnerability can experiences in developing countries offer to Europe?
- What should the role of the government and of non-governmental actors be in adapting to sea-level rise?

4.3 Journal of Maritime Studies (MAST)

Throughout 2008 and 2009, the most important change to MAST was the expansion of its editorial staff and a modification of its editorial structure. Regrettably, Jan Willem van der Schans and Wicky Meynen stepped down from their posts as editors during this period. We thank them for their valuable work while they were part of MAST. Fortunately, during the same period Ben Blount, Simon Bush, Fabio de Castro, and Svein Jentoft all agreed to join the editorial team. The arrival of these individuals occasioned a revision of the MAST editorial structure. Most significantly, Svein Jentoft agreed to take up the position of Chief Editor, and MAST is pleased to have his reputation and considerable experience in this leadership role. Ben Blount and Simon Bush have been appointed Associate Chief Editors, along with Maarten Bavinck and Derek Johnson, and have managed the editorial process for issues 7(1) and 7(2) respectively. John Kleinen, Cornelia Quist, and Sarah Southwold have each assumed responsibility for managing the editorial process of individual papers while Fabio de Castro has provided strategic advice based on his extensive experience working in the publishing industry.

Over the past two years, MAST was published five times, which has meant that the journal made up for having fallen behind in its publication schedule in 2005. Of these five publications, four were special issues. Two of these were dialogues around the keynote addresses given by Daniel Bromley and Bonnie McCay at the 2007 MARE People and the Sea conference. The others were special issues on Cyborgization, guest edited by Petter Holm, and Literacy in Fisheries, guest edited by Bryan Maddox. In addition to the special issues, MAST published eleven other papers on topics ranging from gender and fisheries quotas in Norway to a history of tuna fishing by fishers from Xiao Liuqiu, Taiwan.

MAST continues to be an independent journal published by Eburon on behalf of MARE. While subscriptions to MAST have grown only slowly, back issues of MAST are now available on the MARE Website, increasing the degree to which it is cited. Discussions are ongoing at MAST to build on the momentum of the past two years in order to further increase the journal's profile.

4.4 MARE Publication Series

The MARE Publication Series is a peer-reviewed, interdisciplinary set of monographs and edited volumes realized in collaboration with Amsterdam University Press (AUP). The series editors are Svein Jentoft and Maarten Bavinck. In 2009, the Series realized two new volumes:

- Rob van Ginkel's ethnographic study of Dutch fishers' engagement with the sea, entitled *Braving troubled waters – sea change in a Dutch fishing community* (338 pp.), and
- Doug Wilson's research on the International Council for the Exploration of the Sea (ICES) and the decision making systems into which it leads, entitled *The paradoxes of transparency – science and the ecosystem approach to fisheries management in Europe* (303 pp.).

Both volumes were launched at the MARE People and the Sea Conference V, in Amsterdam.

5. Organisation and Staff

MARE is an autonomous research centre supported by two academic institutes in the Netherlands. The first pillar is the Faculty of Behavioural and Social Sciences at the University of Amsterdam (UvA) represented by the Amsterdam Institute for Metropolitan and International Development Studies (AMIDSt), where MARE's main office is located, and the Amsterdam School for Social Science Research (ASSR). The second MARE pillar is the Social Sciences Department of Wageningen University (WUR) represented by the Chairgroups of Rural Development Sociology (RDS), Law and Governance (LAW), and Environmental Policy (ENP).

The **Board** of MARE consists of representatives of the founding institutes. The members of the Board are:

Prof. Dr. *I.S.A. Baud* (vice-director AMIDSt)

Ir. *L. van Hoof* (WUR)

MARE has an **Executive Committee**, which consists of Dr. *M. Bavinck* (Director) and Prof. Dr. *L.E. Visser* (Chair). The Executive Committee is in charge of day-to-day management.

Maarten Bavinck (PhD 1998) is involved in research on legal pluralism and conflict in the coastal fisheries of South Asia.

Leontine Visser (PhD 1984) carries out research and teaches in the areas of natural resource use, governance, and livelihood studies particularly with regard to upland areas, watersheds, and coastal areas. Her regional specialization is Southeast Asia, in particular Indonesia.

Other members of the MARE team are:

Simon Bush (PhD 2004) is a lecturer in the Environmental Policy Group at Wageningen University. His research focuses on the politics and governance of living aquatic resources management and development in coastal and inland areas of SE Asia.

Sarah Coulthard (PhD 2005) is an environmental scientist working at AMIDSt (UvA) on social science issues with regard to coast and sea. Her PhD was on human-nature interactions in Pulicat Lake, South India, and she is interested in topics such as poverty and wellbeing, coastal zone management, and estuary issues. She moved to the University of Ulster in 2008, and is now an associate member of MARE.

Rob van Ginkel (PhD 1993) is engaged in a long-term study of coastal fisheries, mariculture, and multiple-use conflicts in the coastal zones of Europe. His focus is on the Netherlands. He is senior lecturer at the Department of Sociology and Anthropology of the UvA.

John Kleinen (PhD 1988) is specialized in Southeast Asian studies. He was involved in a long-term research program on coastal zones in Vietnam. He is senior lecturer at the Department of Sociology and Anthropology of the UvA.

MARE has several **associate team members**:

Jan Kooiman (PhD 1970) is emeritus professor of public administration at Erasmus University in Rotterdam. He is the originator of the interactive governance approach, and strongly involved – via the FISHGOVNET network - in its application to the field of fisheries.

Derek Johnson (PhD 2002) is a social anthropologist, now working at the University of Manitoba, Canada. His research specialization is the marine fisheries of Gujarat state, India. Derek continues to be active within MARE, first as the editor-in-chief of Maritime Studies/MAST, and later as associate editor.

Sarah Coulthard (see above).

Marloes Kraan (PhD 2009) defended her PhD thesis at the University of Amsterdam, and is employed by the Dutch Fish Product Board. She holds the portfolio for sustainability.

Junior staff members include:

Didi van Dijk (MA 2008) joined MARE in January 2009 for the purpose of organizing the 2009 People and the Sea V Conference.

Bas Bolman (MSc 2008) spent 4 months in 2008 preparing the 2009 People and the Sea V Conference.

Anne Holtkamp (MA 2009) joined MARE and the Coastal Lowlands group in 2009 to organize the 2009 Policy Day.

Judith van den Boogert assisted in organizing the 2009 Policy Day.

Joeri Scholtens (MSc 2009) acted as editorial assistant for *Maritime Studies (MAST)* until August 2008.

Eva-Maria van Straaten (BSc 2009) joined MARE in September 2008 as editorial assistant for *Maritime Studies (MAST)*.

During 2008-2009 MARE senior members were involved in the (co-)supervision of nine **PhD students**:

Marloes Kraan (UvA, AMIDSt) Promotors/co-promotors: Prof. Dr. Ton Dietz, Dr. Maarten Bavinck, Prof. Dr. Leontine Visser (WU)). Topic: migration and fisheries management, Ghana. PhD defence September 2009.

Iris Monnerneau (UvA, AMIDSt). Promotors/co-promotors Prof. Dr. Isa Baud, Prof. Dr. Michiel Baud, Dr Maarten Bavinck. Topic: governance of Caribbean lobster fisheries in comparative perspective.

Ranjit Wickramasinghe (UvA, AMIDSt) Promotor/co-promotors Prof. Dr. Isa Baud, Dr. Oscar Amarasinghe (University of Ruhuna), Dr. Maarten Bavinck. Topic: fisheries management, Hambantota district, Sri Lanka. Defence July 2010.

Veronica Rodriguez (WU). Promotor/co-promotors Prof. Dr. Leontine Visser and Dr. Gerard Verschoor. Topic: development and intervention: a study of gender relationships in the Isthmus of Tehuantepec, Mexico.

Gustavo Blanco Wells (WU). Promotor/co-promotors: Prof. Dr. Leontine Visser and Dr. Alberto Arce. Topic: salmon fisheries, regional identity, global food networks in Chile (Patagonia). PhD defence October 2009.

Bambang Gunawan (WU). Promotor/supervisor Prof. Dr. Leontine Visser. Topic: shrimp fisheries and aquaculture livelihoods in Berau Delta, Kalimantan, Indonesia. Defence 2011.

Rini Kusumawati (WU). Promotor/supervisors Prof. Dr. Leontine Visser and Dr. Simon Bush. Topic: coastal resources governance, decentralization, and global shrimp trade. Defence 2011.

Tran Thi Phung Ha (WU). Promotor/supervisors Prof. Dr. Han van Dijk and Prof. Dr. Leontine Visser. Topic: decision making of fish based livelihoods in the Mekong Delta, Vietnam. Defence planned 2011.

Tran Thi Thu Ha (WU). Promotors/supervisors Prof. Dr. Han van Dijk, Prof. Dr. Arthur Mol and Dr. Simon Bush. Topic: Global and local governance of the coastal zone in the Mekong Delta, Vietnam. Defence planned 2011.

The following **visiting scholars** spent considerable periods of time at MARE:

Dr *Oscar Amarasinghe* (University of Ruhuna, Sri Lanka) – January-March 2009

Dr *Jyothis Sathyapalan* (Centre for Economic and Social Studies, India) – September-December 2009

The **international partners** of MARE include:

1. International Institute of Asian Studies – IIAS (The Netherlands)
2. University of Portsmouth – CEMARE (UK)
3. University of Newcastle (UK)
4. University of Kent (UK)
5. University of Tromsø (Norway)
6. University of the Algarve (Portugal)
7. University of Indonesia (UI)
8. LIPI (Indonesian Institute of Sciences)
9. IPB (Agricultural Institute, Indonesia)
10. UGM (Universitas Gadjah Mada, Yogyakarta, Indonesia)
11. Anna University – Institute for Ocean Management (India)
12. Madras Institute of Development Studies (MIDS, India)
13. Cochin University of Science and Technology (CUSAT, India)
14. University of Ruhuna (Sri Lanka)
15. Can Tho University (Vietnam)
16. University of Ghana (Ghana)
17. University of the West Indies (Barbados)
18. University of Cape Town (South Africa).
19. Memorial University (Canada)
20. University of British Columbia (Canada)
21. University of Delaware (United States of America)

6. Publications

Articles (refereed)

Armitage, Derek R; R. Plummer, F. Berkes, R. I. Arthur, A. T. Charles, I. J. Davidson-Hunt, A. P. Diduck, N. C. Doubleday, D. S. Johnson, M. Marschke, P. McConney, E. W. Pinkerton, and E. K. Wollenberg (2009). Adaptive co-management for social–ecological complexity. *Frontiers in Ecology and the Environment* 7(2): 95-102.

Bavinck, M. (2008). Collective strategies and windfall catches: fisher responses to tsunami relief efforts in South India. *Transforming Cultures* 3(2): 1-17.

Bavinck, M. and V. Salagrama (2008). Assessing the governability of capture fisheries in the Bay of Bengal – a conceptual enquiry. *The Journal of Transdisciplinary Environmental Studies* 7(1): 1-13.

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Bavinck, M. and D. Johnson (2008). Handling the legacy of the blue revolution in India – social justice and small-scale fisheries in a negative growth scenario. *American Fisheries Society Symposium* 49: 585-599.

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Bush, S.R., Khiem, N. T. and Sinh, L. X. (2009). Governing Pangasius for sustainable rural livelihoods and environmental performance: a review. *Aquaculture Economics and Management*. 13(4): 271-293.

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Jentoft, Svein, Maarten Bavinck, Derek S Johnson, Kaleekal Thomson (2009). Co-management and Legal Pluralism: How an Analytical Problem Becomes an Institutional one. *Human Organization* 68(1): 27-38.

Kooiman, J. M. Bavinck, R. Chuenpagdee, R. Mahon, R. Pullin 2008. Interactive governance and governability: an introduction. *The Journal of Transdisciplinary Environmental Studies* 7(1): 1-11.

Loc, V.T.T., Bush, S.R., and Sinh, L.X. (2009). Assessment of value chains for promoting sustainable fisheries development in the Mekong Basin: Cases of Pangasius in Vietnam and Cambodia. *Vietnam Economic Management Review* 26(5&6): 32-42.

Roth, D. and J. Warner (2009). Rural solutions for threats to urban areas: the contest over calamity polders. *Built Environment* 35(4): 545-562.

Roth, D. (2009). Property and Authority in a Migrant Society: Balinese Irrigators in Sulawesi, Indonesia. *Development and Change* 40(1): 195-217.

Roth, D. and M. Winnubst (2009). Reconstructing the polder: negotiating property rights and “blue functions“ for land. *International Journal of Agricultural Resources, Governance and Ecology* 8(1): 37-56.

Roth, D. and J. Warner (2008). 'Waterveiligheid is en blijft een politieke keuze', Magazine Nationale Veiligheid en Crisisbeheersing 1(11): 42-43.

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Warner, J., M. Winnubst & D. Roth (2008). 'Plus d'espace pour le fleuve, plus de place pour la participation citoyenne?' *Deshima. Revue française des mondes néerlandophones*, 2: 61-78.

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Bavinck, J.M. and G.R. Woodman (2009). Can there be maps of law? In: Benda-Beckmann, F. von, Benda-Beckmann, K. von, and A. Griffiths (eds.), *Spatialising law: an anthropological geography of law in society*, pp 195-218. Ashgate Publishers.

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Kleinen, J. (2008) *Le Viêt Nam ou le mimétisme d'un État à parti unique : le développement en question et ses orientations*. Atelier : Communisme et autorité politique en Asie : Viêt Nam – Chine – Corée du Nord [Workshop in Tokyo on "Communism and Political Authority in Asia"], samedi 7 juin 2008 9 h 30 – 18 h Auditorium de la Maison franco-japonaise, Tokyo, Japon.

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