

MARE Publication Series 10

Michael Gilek
Mikael Karlsson
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Environmental Governance of the Baltic Sea

Centre for Maritime



Research



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The MARE Publication Series is an initiative of the Centre for Maritime Research (MARE). MARE is an interdisciplinary social-science network devoted to studying the use and management of marine resources. It is based jointly at the University of Amsterdam and Wageningen University (www.marecentre.nl).

The MARE Publication Series addresses topics of contemporary relevance in the wide field of 'people and the sea'. It has a global scope and includes contributions from a wide range of social science disciplines as well as from applied sciences. Topics range from fisheries, to integrated management, coastal tourism, and environmental conservation. The series was previously hosted by Amsterdam University Press and joined Springer in 2011.

The MARE Publication Series is complemented by the Journal of Maritime Studies (MAST) and the biennial People and the Sea Conferences in Amsterdam.

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Preface

This volume presents research on current practices and challenges in the governance of the Baltic Sea marine environment – a complex and interdisciplinary research field of high academic and societal concern.

The book grew from the interdisciplinary RISKGOV¹ and COOP² projects on regional level environmental governance of the Baltic Sea, led by Michael Gilek and Björn Hassler from Södertörn University, respectively. These projects aimed to explore and compare arrangements and processes associated with the governance of large-scale environmental resources, problems and risks in the Baltic Sea.

We are very grateful for the generous financial support received from the Foundation for Baltic and East European Studies and to the funders of the BONUS+ programme (i.e. the European Community's Seventh Framework Programme and national funding agencies, the German Federal Ministry of Education and Research (BMBF), the Swedish Environmental Protection Agency, the Swedish Research Council FORMAS, the Polish Ministry of Science and Higher Education and the Academy of Finland). Without this support this book would not have been possible.

Special thanks to our fellow contributors, all of whom have submitted topical papers based on high-quality research. Finally, we are grateful for valuable comments received through the external peer review process as well as for the professionalism shown by our editors at Springer.

Michael Gilek, Södertörn University, Sweden (on behalf of the editors)

¹During the period 2009–2015, RISKGOV (Environmental Risk Governance of the Baltic Sea) was an international interdisciplinary research programme focused on analysing regional environmental governance of the Baltic Sea. www.sh.se/riskgov

²The COOP project (Cooperating for Sustainable Regional Marine Governance) is funded by the Foundation for Baltic and East European Studies between 2012 and 2015. It aims to analyse and compare challenges and opportunities for cooperation in Baltic Sea fisheries and eutrophication governance.

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Abbreviations

ACFA	Advisory Committee on Fisheries and Aquaculture
ACOM	The ICES Advisory Committee
AS	Alien species
AIS	HELCOMs Automatic Identification System
BEAT	HELCOM Biodiversity Assessment Tool
BFR	Brominated flame retardant
BNI	Baltic Nest Institute
BONUS+	Science for a Better Future of the Baltic Sea Region
BSAG	Baltic Sea Action Group
BSAP	Baltic Sea Action Plan
BSR	Baltic Sea region
BWMC	Ballast Water Management Convention
CAP	EU Common Agricultural Policy
CBD	Convention on Biological Diversity
CCB	Coalition Clean Baltic
CHASE	HELCOM Hazardous Substances Status Assessment Tool
CFP	EU Common Fisheries Policy
DG	Directorate-general
DG Environment	Directorate-general for the environment
DG MARE	Directorate-general for maritime affairs and fisheries
EAM	Ecosystem approach to management
EAFM	Ecosystem approach to fisheries management
EC	European Commission or European Community
EEA	European Environmental Agency
EEZ	Exclusive economic zone
ECHA	European Chemicals Agency
EMSA	European Maritime Safety Agency
EU	European Union
EUSBSR	EU Strategy for the Baltic Sea Region
GO	Governmental organisation
GOC	Global Ocean Commission

HEAT	HELCOM Eutrophication Assessment Tool
HELCOM	Helsinki Commission; Baltic Marine Environmental Protection Commission
IAS	Invasive alien species
IBSFC	International Baltic Sea Fisheries Commission
ICES	International Council for the Exploration of the Seas
IGO	International government organisation
ILO	International Labour Organisation
IMO	International Maritime Organisation
IPBES	Intergovernmental Platform on Biodiversity and Ecosystem Services
IPCC	Intergovernmental Panel on Climate Change
IPCP	International Panel on Chemical Pollution
LRF	Federation of Swedish Farmers
MARPOL	International Convention for the Prevention of Pollution from Ships
MPAs	Marine protected areas
MS	(EU) Member State
MSC	Marine Stewardship Council
MSFD	EU Marine Strategy Framework Directive
MSP	Marine spatial planning
MSY	Maximum sustainable yield
MTK	The Central Union of Agricultural Producers and Forest Owners
NATURA 2000	Habitats Directive and the Birds Directive
ND	EU Nitrates Directive
NFI	National Fisheries Institute
NGO	Non-governmental Organisation
NIP	National Implementation Program
OSPAR	Commission for protecting and conserving the North-East Atlantic and its resources
PA	Priority area
PCB	Polychlorinated biphenyl
PBDE	Polybrominated diphenyl ether
PFAS	Perfluoroalkylated substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulphonate
PNS	Post-normal science
PSSA	Particularly sensitive sea area
RACs	Regional Advisory Councils, e.g. the Baltic Sea (BS) RAC
REACH	Registration, evaluation, authorisation and restriction of chemicals – the EU chemicals regulation
RISKGov	Environmental Risk Governance of the Baltic Sea (Research Project within BONUS+)
SEPA	Swedish Environmental Protection Agency
STECF	Scientific, Technical, and Economic Committee for Fisheries

TAC	Total allowable catch
TGD	Technical guidance documents
UBC	Union of Baltic Cities
UNCLOS	United Nations Convention on the Law of the Sea
UWWTD	EU Urban Waste Water Treatment Directive
WFD	EU Water Framework Directive
WWF	World Wide Fund for Nature
WWT	Wastewater treatment

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