

Abbreviations and acronyms

BAP	Best Agricultural Practice
BAT	Best Available Technology
BEP	Best Environmental Practice
BSP	Baltic Sea Project
BSRP	Baltic Sea Regional Project
CAP	Common Agricultural Policy
CEPI	Confederation of European Paper Industries
CFP	EU Common Fisheries Policy
ELV	Emission Limit Values
ERB	European Baltic cooperation
FAO	United Nations Food and Agriculture Organization
GDP	Gross Domestic Product
GEF	Global Environmental Facility
HELCOM	Helsinki Commission
IBSFC	International Baltic Sea Fishery Commission
ICES	International Council for the Explorations of the Sea
IFI	International Financial Institution
JCP	Joint Comprehensive Programme
JTDP	Joint Transnational Development Programme
LME	Large Marine Ecosystem
MWWTP	Municipal Waste Water Treatment Plant
NGO	Non Governmental Organisation
NEMO	Non-Indigenous Estuarine and Marine Organisms
PHC	Petroleum HydroCarbons
PLC	Pollution Load Compilation
TAC	Total Allowable Catches
TFC	Total Final energy Consumption
UNEP	United Nations Environment Programme
WQO	Water Quality Objectives
WFD	Water Framework Directive
WGA	Working Group on Agriculture
WSSD	World Summit on Sustainable Development

List of figures

Figure 1	<i>Boundaries of the Baltic Sea region.</i>	15
Figure 2	<i>River run-off to the Baltic Sea and its various sub-catchments from 1950 to 1998.</i>	17
Figure 3	<i>Population density in the Baltic Sea region.</i>	19
Figure 4	<i>Cod, herring and sprat landings in the Baltic Sea 1963-2000.</i>	23
Figure 5	<i>Bathing tourists at a beach, Köpingsvik, Öland, Sweden.</i>	24
Figure 6	<i>The annual flow rate of the Narva River before and after construction of the dam in 1956.</i>	27
Figure 7	<i>Overexploitation of groundwater resources and saltwater intrusion in the Baltic Sea region.</i>	27
Figure 8	<i>The nitrate hot spots for groundwater.</i>	28
Figure 9	<i>Number of ships, excluding ferry traffic, in the Baltic Sea 2000.</i>	31
Figure 10	<i>St. Petersburg commercial seaport, at the mouth of the Neva River.</i>	32
Figure 11	<i>Cod (<i>Gadus morhua</i>).</i>	34
Figure 12	<i>Landings and mortality of cod age 1.</i>	35
Figure 13	<i>Recruitment and spawning stock biomass of cod age 2.</i>	35
Figure 14	<i>Salmon (<i>Salmo salar</i>).</i>	36
Figure 15	<i>Causal chain diagram illustrating the causal links for eutrophication.</i>	40
Figure 16	<i>Nitrogen inputs to the Baltic Sea in 1995.</i>	40
Figure 17	<i>Input of nitrogen and phosphorus to the Baltic Sea region.</i>	41
Figure 18	<i>Distribution of total phosphorus load by country into the Baltic Sea region.</i>	41
Figure 19	<i>Distribution of total nitrogen load by country in the Baltic Sea region.</i>	41
Figure 20	<i>Deposition of nitrogen oxide (NO_x-N) and ammonia (NH₃-N) into the Baltic Sea in 1998.</i>	42
Figure 21	<i>Nitrogen load to water bodies from municipalities between the late 1980s and 1995.</i>	43
Figure 22	<i>Phosphorus load to water bodies from municipalities between the late 1980s and 1995.</i>	43
Figure 23	<i>Energy production in the Baltic Sea region.</i>	44
Figure 24	<i>Annually applied nitrogen by mineral fertilisers.</i>	45
Figure 25	<i>Annually applied phosphorus by mineral fertilisers.</i>	45
Figure 26	<i>Livestock density in the Baltic Sea countries 1990-1996.</i>	45
Figure 27	<i>Water tariffs in the Baltic Sea countries.</i>	46
Figure 28	<i>Causal chain diagram illustrating the causal links for overexploitation of fish.</i>	48
Figure 29	<i>Recorded catches of the main target species in the Baltic Sea between 1973-1998.</i>	48
Figure 30	<i>Concentrated bloom of blue green algae, most probably <i>Nodularia spumigena</i>, at the eastern coast of Sweden, 2003.</i>	52
Figure 31	<i>Cod fishing in the southern Baltic Sea, 1994.</i>	57

List of tables

Table 1	<i>The Baltic Sea region's sub-systems and their catchment areas.</i>	16
Table 2	<i>Annual average air temperature in the Baltic Sea sub-systems.</i>	17
Table 3	<i>Demographic data of the Baltic Sea region, 2002.</i>	18
Table 4	<i>Life expectancy at birth in 2001.</i>	19
Table 5	<i>Gross domestic product in the Baltic Sea countries.</i>	19
Table 6	<i>GDP per capita in the Baltic Sea countries.</i>	20
Table 7	<i>Unemployment rates in the Baltic Sea countries.</i>	20
Table 8	<i>Gross domestic product by sector in the Baltic Sea countries.</i>	21
Table 9	<i>Land use structure in 2001-2002.</i>	22
Table 10	<i>Aquaculture production for human consumption in 1996.</i>	23
Table 11	<i>Share of transport in GDP.</i>	23
Table 12	<i>Scoring table for the Baltic Sea region.</i>	26
Table 13	<i>Introduced species to the Baltic Sea.</i>	36
Table 14	<i>Contribution of the transport sector to NO_x emissions.</i>	44
Table 15	<i>Forecast of passenger and freight transport in the recently acceded EU countries and Russia.</i>	47
Table 16	<i>Expected growth in volume of trade in the Baltic Sea from 1995 to 2017.</i>	47
Table 17	<i>Number of fishing vessels per country operating in the Baltic Sea.</i>	49

List of boxes

Box 1	<i>Specific requirements included in Annex III of the Helsinki Convention in order to decrease eutrophication.</i>	54
Box 2	<i>Helsinki Commission, regulations to prevent pollution from industry and municipalities.</i>	55
Box 3	<i>Fishing management measures related to overfishing proposed by FAO.</i>	56
Box 4	<i>The Biodiversity Action Plan for Fisheries.</i>	57