ESPO initiatives on Sustainable Development

- ✓*Regional Benchmark – Baltic ports*
- ✓*Current SD Committee priorities*

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Baltic Ports and Environment
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Content

1. Few words about ESPO

2. ESPO / Ecoports Environmental Review 2009 – Regional benchmark Baltic ports

3. Current priority items within the ESPO SD committee agenda

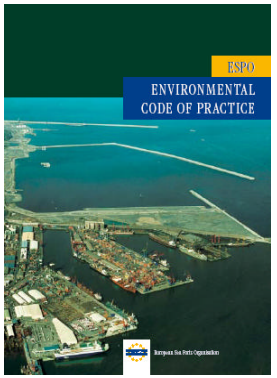
ESPO: Main focus on Policy

- Founded in 1993
- Represents European seaport authorities (members)
- Members from EU and neighboring countries
- Secretariat in Brussels
- Recognized counterpart of EU institutions

ESPO & the Environment

Encouraging ports to be **proactive in protecting the environment** by:

- ✓ Preparing recommendations on environmental management
- ✓ Drafting guidelines on specific issues (nature protection)
- ✓ Accommodating the exchange of good practices
- ✓ Raising awareness and disseminating information



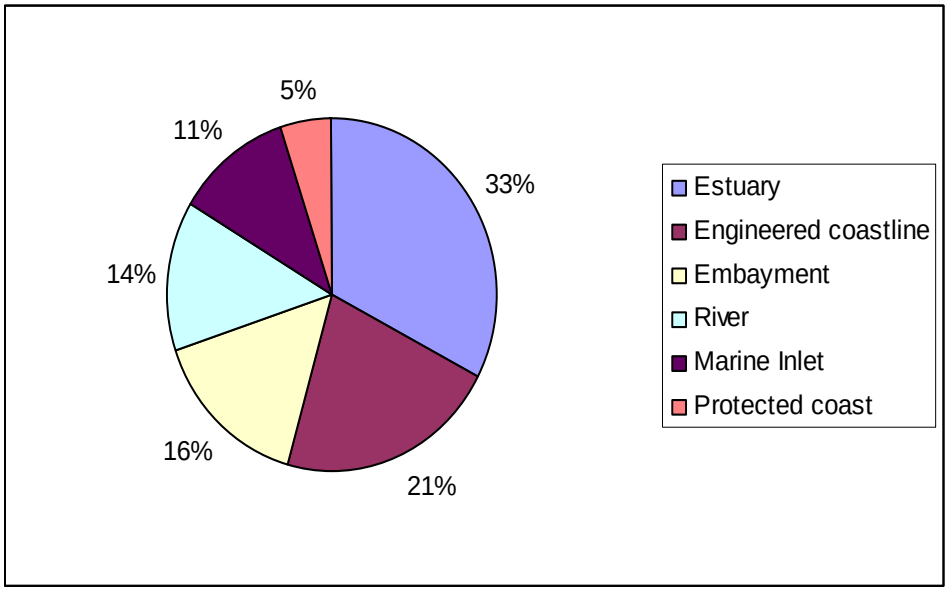
ESPO AWARD

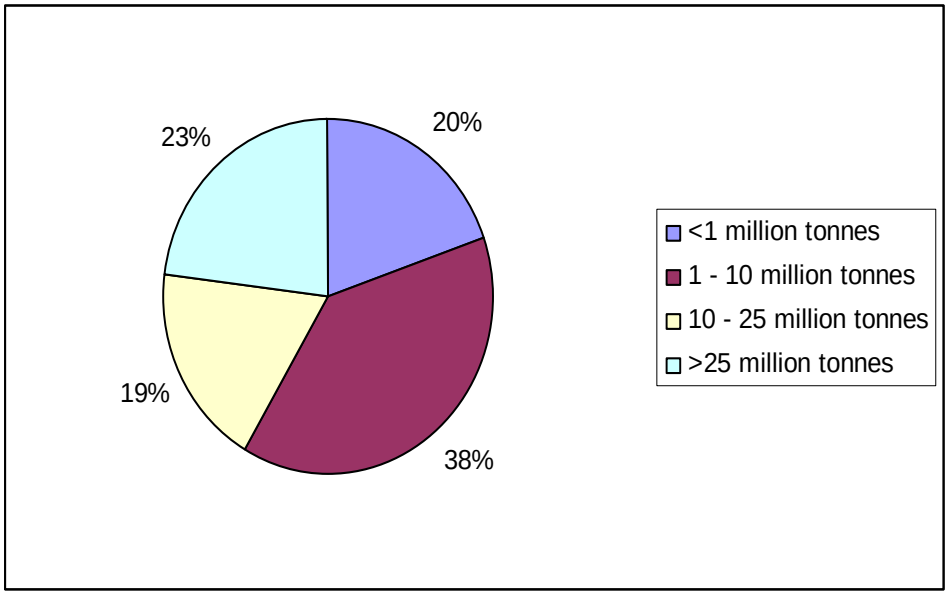
Environmental Review 2009

- Synergy ESPO / Ecoports
- Similar exercises 1996, 2004
- National and regional benchmarks*

Profiles of respondent ports

- **122 ports from 20 European Maritime states**





Top 10 environmental priorities

	1996	2004	2009
1	Port Development (water)	Garbage / Port waste	Noise
2	Water quality	Dredging: operations	Air quality
3	Dredging disposal	Dredging disposal	Garbage / Port waste
4	Dredging: operations	Dust	Dredging: operations
5	Dust	Noise	Dredging: disposal
6	Port Development (land)	Air quality	Relationship with local community
7	Contaminated land	Hazardous cargo	Energy consumption
8	Habitat loss / degradation	Bunkering	Dust
9	Traffic volume	Port Development (land)	Port Development (water)
10	Industrial effluent	Ship discharge (bilge)	Port Development (land)

Priority issues by size of port

	< 1 million tonnes (24 ports)	1 - 10 million tonnes (47 ports)	10 - 25 million tonnes (23 ports)	> 25 million tonnes (28 ports)
1	Garbage/ Port waste	Dredging: operations	Air quality	Air quality
2	Noise	Air quality	Port Development (water)	Noise
3	Dredging: disposal	Energy Consumption	Noise	Garbage/ Port waste
4	Dredging: operations	Noise	Dust	Dredging: operations
5	Energy Consumption	Dust	Relationship with local community	Port Development (land)
6	Dust	Dredging: disposal	Garbage/ Port waste	Relationship with local community
7	Relationship with local community	Garbage/ Port waste	Energy Consumption	Dredging: disposal
8	Bunkering	Relationship with local community	Port Development (land)	Conservation areas
9	Ship waste	Ship waste	Ship waste	Port Development (water)
10	Cargo Spillage (handling)	Port Development (land)	Dredging: disposal	Climate change

Priority issues by geography of port

	Estuary (40 ports)	**Engineered coastline** (26 ports)	**Embayment** * (39 ports)	**River** (17 ports)
1	Conservation areas	Air quality	Air quality	Dredging: disposal
2	Dredging: operations	Garbage/ Port waste	Noise	Dust
3	Dredging: disposal	Noise	Energy Consumption	Noise
4	Relationship with local community	Energy Consumption	Garbage/ Port waste	Dredging: operations
5	Port Development (land)	Port Development (water)	Dust	Garbage/ Port waste
6	Port Development (water)	Ship waste	Dredging: operations	Relationship with local community
7	Air quality	Hazardous cargo (handling/storage)	Relationship with local community	Environmental Risk Assessment
8	Noise	Dredging: operations	Ship waste	Ship waste
9	Garbage/ Port waste	Ship exhaust emissions	Dredging: disposal	Energy Consumption
10	Dust	Relationship with local community	Port Development (land)	Port Development (land)

Trends over time

Environmental Management component	1996[2] %	2004[3] %	2009 %	Percentage change (2004-2009)
Does the port authority have an environmental policy?	45	58	72	+14
Is the policy made available to the public?	-	59	62	+3
Does the policy aim to improve environmental standards beyond those required under legislation?	32	49	58	+9
Does the port publish an annual environmental review or report?	-	31	43	+12
Does the port have designated environmental personnel?	55	67	69	+2
Does the port have an environmental management system?	-	21	48	+27
Is environmental monitoring carried out in the port?	53	65	77	+12
Has your port identified environmental indicators to Monitor trends in environmental performance?	-	48	60	+12
Is there a defined procedure for consulting with the Local Community on the port's environmental programme?	-	36	37	+1

As successive surveys represent different numbers and identities of respondent ports, the results should be interpreted with caution. The trends are more reliable as indicators of progress than the actual percentages

Environmental priorities in Baltic ports

Contributing ports

- Denmark (16)
- Estonia (1)
- Finland (5)
- Germany (9)
- Latvia (1)
- Sweden (12)

Environmental priorities in Baltic ports

2009	Europe (122 ports)	Baltic ports (44 ports)
1	Noise	Noise
2	Air quality	Dredging: disposal
3	Garbage / Port waste	Air quality
4	Dredging: operations	Relationship with local community
5	Dredging: disposal	Dust
6	Relationship with local community	Dredging: operations
7	Energy consumption	Energy Consumption
8	Dust	Ship exhaust emissions
9	Port expansion (water related)	Climate change
10	Port expansion (land related)	Port expansion (land related)

Selected benchmarks of performance – Baltic ports (1)

- 66 % of respondent ports have an environmental policy
- 43% of respondent ports make it available to the public
- 55% of ports aim improve environmental standards beyond those required under legislation

Selected benchmarks of performance – Baltic ports (2)

- 55% of respondent ports provide environmental information through their website
- 59% of the ports are aware of the services provided by the Ecoports Foundation
- 43% of respondent ports produce a publicly available Annual Environmental Review or Report

Selected benchmarks of performance – Baltic ports (3)

- 55% of ports have their own environmental specialist(s)
- 39% of ports have a form of Environmental Management System
- 68% carry out monitoring within the port area
- 45% have identified environmental indicators

Selected benchmarks of performance – Baltic ports (4)

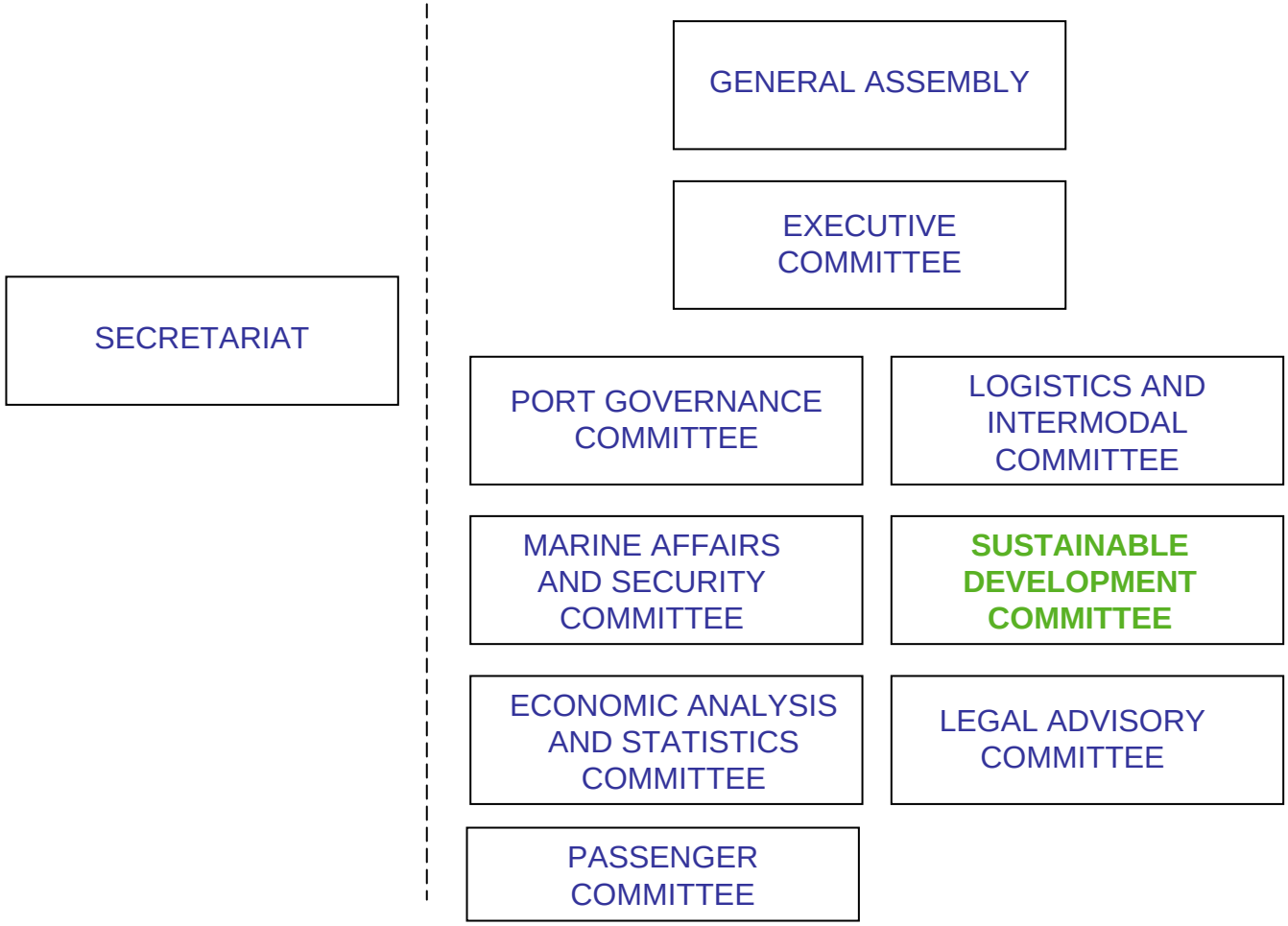
Climate change and energy efficiency:

- 27% of ports measure or estimate your their carbon footprint
- 45% of ports take measures to reduce their carbon footprint
- 52% of ports have a programme to increase energy efficiency
- 23 % of ports produce some form of Renewable Energy

Ongoing work

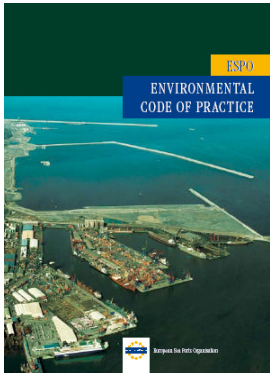
Top-10 2009	Initiatives
Noise	Ecoports Noise Management System for ports
Air quality	World Port Climate Initiative (WPCI) projects
Garbage / Port waste	ESPO Environmental Code of Practice
Dredging: operations	ESPO Code of Practice on the Birds and Habitats Directives
Dredging: disposal	ESPO Code of Practice on the Birds and Habitats Directives
Relationship with local community	ESPO Award on societal integration
Energy consumption	World Port Climate Initiative (WPCI) projects
Dust	World Port Climate Initiative (WPCI) projects
Port Development (water)	ESPO Code of Practice on the Birds and Habitats Directives
Port Development (land)	ESPO Code of Practice on the Birds and Habitats Directives

ESPO SD committee



Review Environmental Code of Practice

- Update of the generic policy principles
- Thematic approach based on the priorities identified in the 2009 ESPO / EcoPorts Environmental Survey
- Main themes: air quality, noise, dredging, port development, …
- More hands-on: what can port authorities commit themselves to?
- Publication within 2011



ESPO-Ecoports integration

- Ecoports fully integrated in ESPO as of 2011
- Ecoports tools accessible to all ESPO members
- Ports obtain ‘Ecoports status’ if they complete Self-Diagnosis Method (SDM)
- Visibility to Ecoports ports
- SDM and PERS tools will be reviewed and modernised
- New online system

PPRISM project

- EC co-funded project on port performance indicators
- ESPO leads with five academic partners (ITMMA, Brussels, Cardiff, Eindhoven and Aegean)
- Objective: to identify set of indicators that could form basis of European port ‘observatory’
- Five fields: market trends, logistics, socio-economic, **environment** and governance
- Analysis based on stakeholder assessment
- Runs until end 2011

PPRISM
Port Performance Indicators
Selection and Measurement

Thank you for your attention