BONUS GOHERR

Stakeholder workshop
16-17 February 2016
Bella Center, Copenhagen
Welcome!

• BONUS GOHERR project: Introduction
• Workshop on the dioxin problem of Baltic herring: Agenda
• Participant introductions
Integrated governance of Baltic herring and salmon stocks involving stakeholders
Starting point

- Dioxin in Baltic salmon and herring (sprat)
- Eating recommendations
- Sales restrictions (EU)
- Export - ?
- Herring: Feed, fish meal, fish oil
- Salmon: smaller commercial significance

- FAO: fish resources for human food!
goherr aims to:

- Examine potential of integrated (ecosystem-based) management of Baltic salmon and herring
  - In reducing dioxin in these fish
  - In reducing uncertainty in fisheries management

- Examine opportunities to manage dioxin risk in a more effective way
  - Integrate dioxin risk management with fisheries management?
  - Dioxin risk governance?
Three main perspectives

**BIOLOGICAL**
- Salmon-herring interaction
- Dioxin accumulation
- Fishing to decrease dioxin

**PUBLIC HEALTH**
- Fish eating habits, trends
- Risks and benefits of fish intake

**SOCIAL**
- Governance to support integrated management of fisheries, and dioxin risk
- Values related to Baltic herring and salmon

*Involves stakeholders!*
Objective

Build a holistic Bayesian decision support model that combines the health of the Baltic Sea with the health of humans, and interactions of the ecosystem with societal values and human behaviour.

- Analyse fisheries management in relation to dioxin risk management.
- Scenarios for salmon policy, herring use, dioxin input, and eutrophication for 2040.
- Evaluate alternative governance models and management actions to reach commonly defined objectives.
Expected output

• New holistic model-based perspective to the dioxin problem: accumulation, risks, management, governance

• New knowledge on the accumulation of dioxin

• New knowledge (and proposal) on ecosystem-based/multi-species/integrated management and governance

• New knowledge on socio-cultural values related to Baltic herring/salmon

• New knowledge on different perspectives to dioxin (for risk evaluation?)
Challenges:

- Several stakeholder groups in 9 Baltic Sea countries
  - Different perspectives to the problem
  - 4 case study countries (interviews, questionnaire, workshops)
Aims / expectations for the Workshop

• Share views and **jointly frame the dioxin problem**:  
  • Discuss **implications** of dioxins to herring fishing industry, the consumption of herring, and public health  
  • Elaborate **future prospects** for the herring fishing sector  
    • How **serious** a risk dioxin is?  
  • Define alternative **objectives**, or desirable future states for the herring fishing sector,  
  • Identify **actions** to reach them

• **Combine views of experts representing different views**  
  > Enhance the relevancy of the research from different perspectives  
  > Improve understanding of the problem, LEARN
<table>
<thead>
<tr>
<th>Time</th>
<th>Tuesday</th>
<th>Wednesday</th>
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<tbody>
<tr>
<td>11.00</td>
<td>Lunch</td>
<td>9.00 Impact of interaction between salmon and herring on dioxin accumulation, and opportunities to reduce dioxin by size-selective fishing</td>
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<tr>
<td>12.00</td>
<td>Welcome</td>
<td>9.20 Backcasting method: introduction</td>
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<tr>
<td>12.30</td>
<td>Participant introductions</td>
<td>9.40 Desirable future states for Baltic herring fishery</td>
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| 13.00 | Group discussions  
1: Implications of dioxin to herring fishing sector  
2: Dioxin as a public health problem  
5, 6: Defining pathways to reach the future states (backcasting) | 10.00 Break, coffee and snacks                                             |
| 15.00 | Break, coffee and snacks                     | 10.30 Group discussions  
5, 6: Defining pathways to reach the future states (backcasting)           |
| 15.30 | Group discussions  
3: Global prospects for herring fishing industry  
4: Consumers’ fish eating habits  
12.00 Lunch  
13.00 Group discussions continue  
14.00 Plenary discussion on the results of day 2  
14.45 Conclusions, feedback  
15.00 End of day 2 | 13.00 Group discussions continue  
14.00 Plenary discussion on the results of day 2  
14.45 Conclusions, feedback  
15.00 End of day 2 |
• Public workspace Opasnet (collect, synthesise, and distribute diversified information related to the project):

http://en.opasnet.org/w/Goherr:_Project

• Public website:

www.goherr.com

• Google Drive workspace (includes workshop documents):

https://drive.google.com/drive/folders/0B5dY4ezoJ5FOa1l1akphMDFBOWM
Introduce ourselves

Invited participants
- Who are you?
- What is your background?
- What is your expertise?
- Why were you invited?
- What are your expectations for the workshop?

GOHERR project participants
- Who are you?
- What is your background?
- What is your expertise?
- What is your role in this workshop?

ALL: Tell us a memory / mental image of the Baltic Sea, and where it locates.
Participants in sessions

Sessions 1, 3, 5
- Teemu Tast
- Mart Undrest
- Staffan Larsson
- Sören Pedersen
- Mårten Åström
- Jari Raitaniemi
- Janne Posti

Sessions 2.4.6
- Matti Viluksela
- Anders Glynn
- Martin Minjajev
- Kenneth Rasmussen
- Lulu Krüger