

BONUS GOHERR

Stakeholder workshop

16-17 February 2016

Bella Center, Copenhagen

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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

Project partners:



INNOVATIVE FISHERIES MANAGEMENT
- an Aalborg University Research Centre



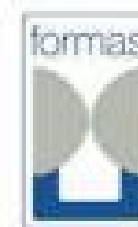
**NATIONAL INSTITUTE
FOR HEALTH AND WELFARE**

Funding:



BONUS

SCIENCE FOR A BETTER FUTURE OF THE BALTIC SEA REGION



*The Swedish Research Council for Environment,
Agricultural Sciences and Spatial Planning*

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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!**

*go*herr 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

Involve stakeholders!

SOCIAL

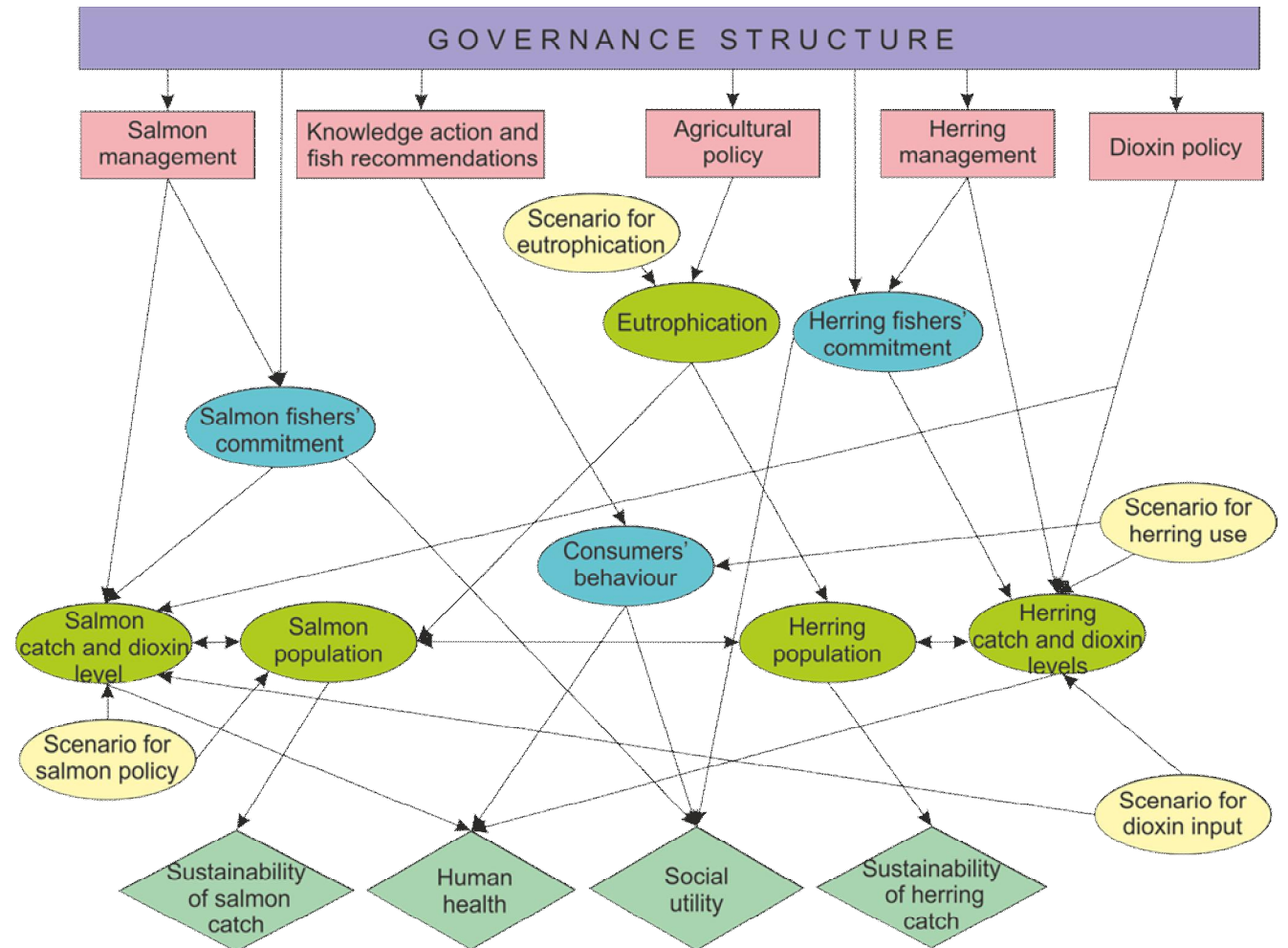
Governance to support integrated management of fisheries, and dioxin risk

Values related to Baltic herring and salmon

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?)

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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

Tuesday

- 11.00 Lunch
- 12.00 Welcome
- 12.30 Participant introductions
- 13.00 Group discussions
1: Implications of dioxin to herring fishing sector
2: Dioxin as a public health problem
- 15.00 Break, coffee and snacks
- 15.30 Group discussions
3: Global prospects for herring fishing industry
4: Consumers' fish eating habits
- 17.00 Questionnaire testing: consumers' fish eating habits
- 17.30 Plenary discussion on the results of day 1
- 18.00 End of day 1
- 19.00 Dinner: Riz Raz, Kompagnistræde 20, CPH K

Wednesday

- 9.00 Impact of Interaction between salmon and herring on dioxin accumulation, and opportunities to reduce dioxin by size-selective fishing
- 9.20 Backcasting method: introduction
- 9.40 Desirable future states for Baltic herring fishery
- 10.00 Break, coffee and snacks
- 10.30 Group discussions
5, 6: Defining pathways to reach the future states (backcasting)
- 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

- 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/OB5dY4ezoJ5FOa1I1akphMDFBOWM>

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
- Märten Åström
- Jari Raitaniemi
- Janne Posti

Sessions 2.4.6

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