



ATLANTIC | FONDATION POUR
LOBSTER | **LA PÉRENNITÉ**
SUSTAINABILITY | **DU HOMARD**
FOUNDATION | DE L'ATLANTIQUE

Re-cap of Day 1

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July 25, 2012

SECOND ANNUAL LOBSTER SCIENCE WORKSHOP
CROWNE PLAZA, MONCTON NB
BALLROOM

Workshop objectives

- Three goals:
 - Inform stakeholders of latest research information
 - Discover opportunities in research to better serve the industry
 - Map the way forward for sustainability of the lobster industry

Remarks

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Ecocertification Restructuring ure
Investment Resource Pricing ge
Science. Research Exports
Sustainability Landingner
Yo Stakeholders Industry Jobs ati
uth Retail Collaboration Homarus on
Rationalization

Enhancement of marine organisms

- **Andrew Jeffs**

Enhancement: e.g. scallop

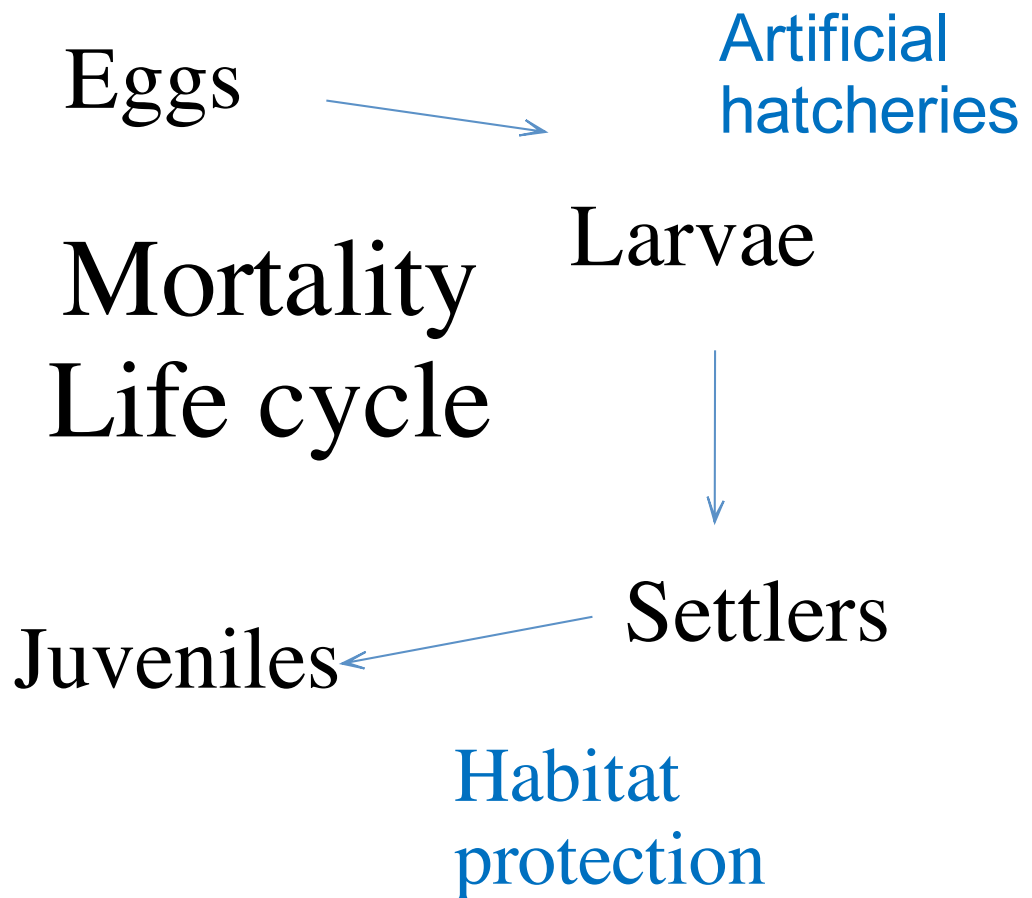
Removal of predators

Main issues: lack of understanding of processes; need of specific goals and stakeholder involvement

New technologies are promising

But still need to understand the recruitment bottleneck

“the wall of mouths”



The notion of sustainability in retail

- David Smith: Sobeys
- Food production and demand (e.g. China)
- Triple bottom: economic, social and environmental
- Key impacts: climate change, water, biodiversity.
Challenges: externalities
- Drivers of business change: resource scarcity, externalities and radical transparency.
- Traceability: Sobeys ThisFish; demand for “certification” (e.g. MSC and other systems)
- Sustainability vs responsibility

Round table: what do we mean?

- 4 viewpoints: differences

Economic:
exclusion and
rivalry
concepts

1) finality?, 2) three way
partnership, 3) diverse
resource system, 4)
climate change, 5)
information and
knowledge

MSC:
ecolabelling and
standards on
exploitation,
ecosystem,
management

Concept of rain barrel: one
factor at the time – narrow
perspective or many
factors and broad
perspectives and
ecosystem preservation

Sustainability research from the US

- Mike Tlusty
- Word cloud: diversity of words showing diversity of interests of various institutions

Habitat enhancement

Hatcheries and larval settlement

Fisheries:
but not
management

Researchers don't talk
to each other as much
as they should

Environment

Health

Reproduction

Lobster bait

Actions by governments

- DFO
- Mandate: to advance aquatic ecosystem, support safe and secure Canadian water and fostering economic prosperity
- Outcomes: economic, sustainable aquatic and safe
- Fisheries management cycle: coming for SG in 2013
- Restructuring and rationalization (e.g. license retirement, trap removal, carapace size 72mm in 2013, etc.)
- **Challenges ahead?**

Canada's marine biodiversity

- February 2012 by the Royal Society of Canada
- Major trends in biodiversity and its stressors
- 650 species assessed by COSEWIC. 18% of them are marine
- Fish species: 55% decline in biomass especially because of cod.
- Climate changes as a stressor
- Canada biodiversity obligations: most unfulfilled
- Fish: Supreme Court of Canada (1997): fish as common public good

Research results

- 9 presentations: representing all components of the life cycle and linking to coastal communities and fisheries and impacts of human activities



Observations

- Lots of information and research results
- Linking the pieces to sustainability
- Clear that the concept of sustainability changes in the eye of the stakeholder
- How to integrate needs, demands, and capacity
- By the way: capacity... I am not sure we heard this word yesterday

Lessons learned

- Still lack of understanding of recruitment processes, moulting process and frequency, etc.
- Still a great need to have this type of forum to share information and understanding of the system from different perspectives (all stakeholders)

Future?

- Should we discuss further sustainability vs responsibility?
- Where is the concept of capacity (of the system, the species, the fishing community, the industry)?
- How can we find a third alternative to meet the “sustainability views” of all stakeholders?
- Combining efforts to better see the global picture?