







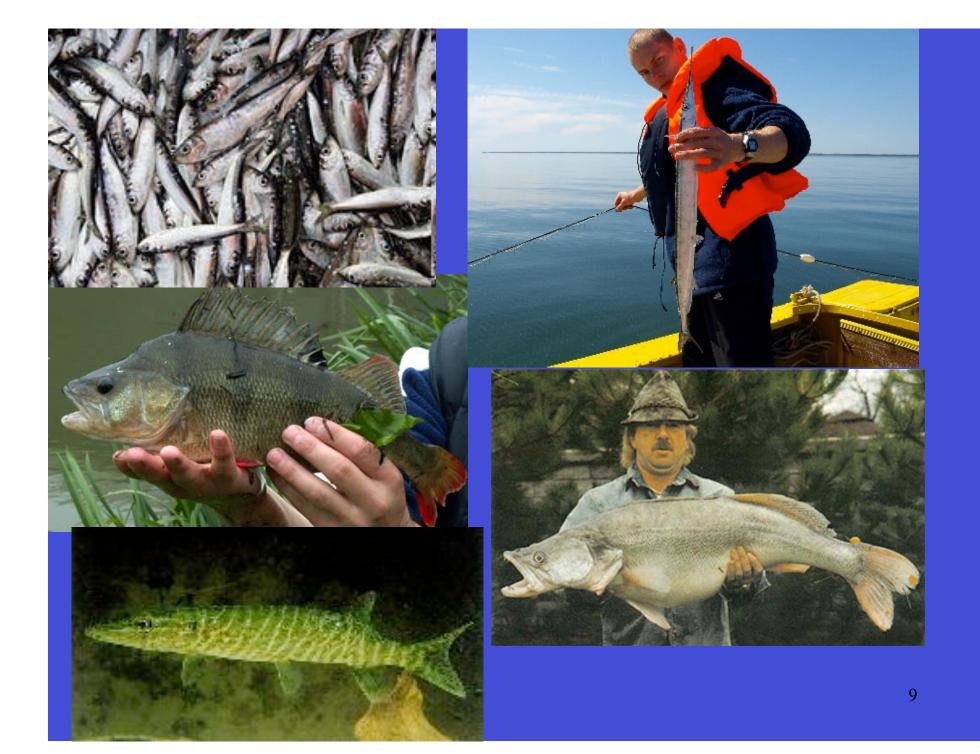
Mostly smallscale fishery, both professional ...

Herring pound net fishery



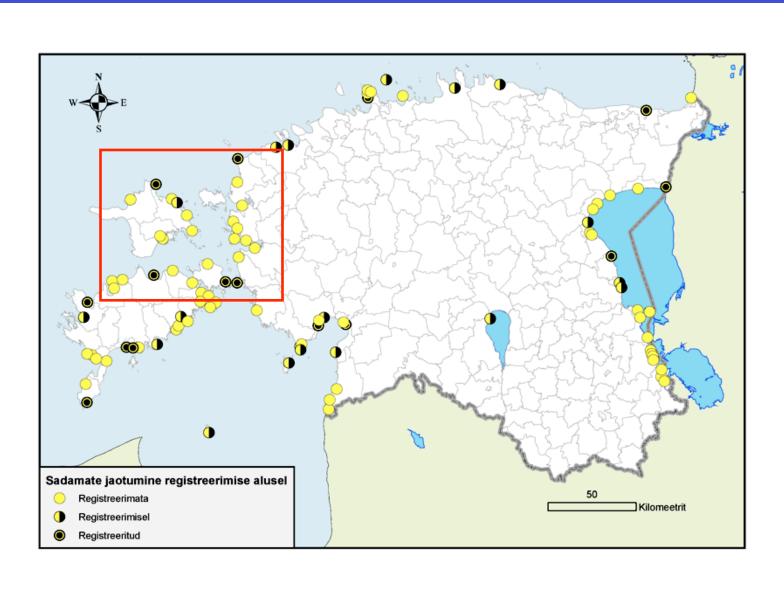


... and recreational



Fishing harbours in Estonia (Eesti

Maaülikool, 2006) Most of harbours are not registered.



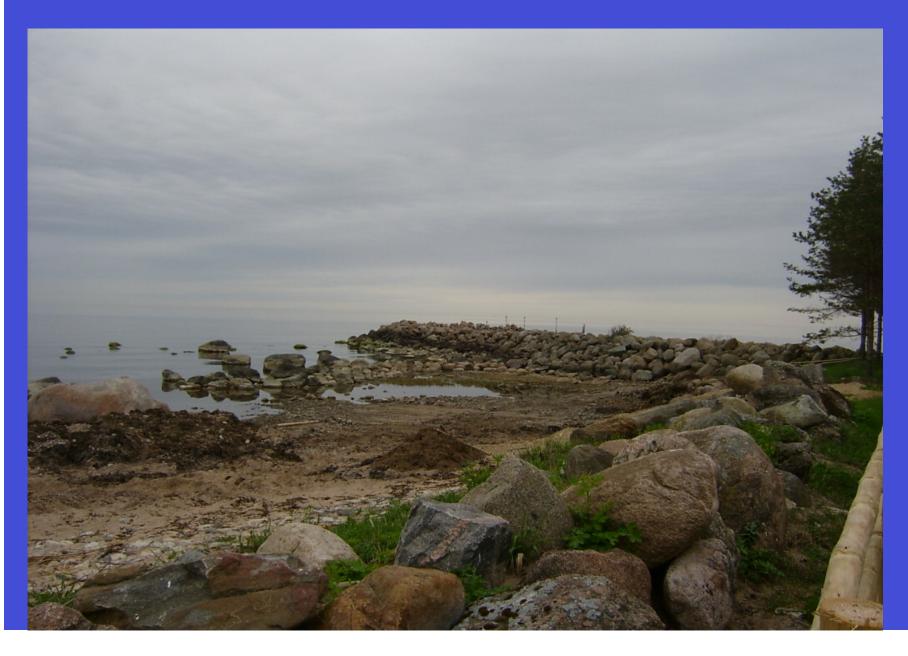
Small harbours



Small harbours



Small harbours





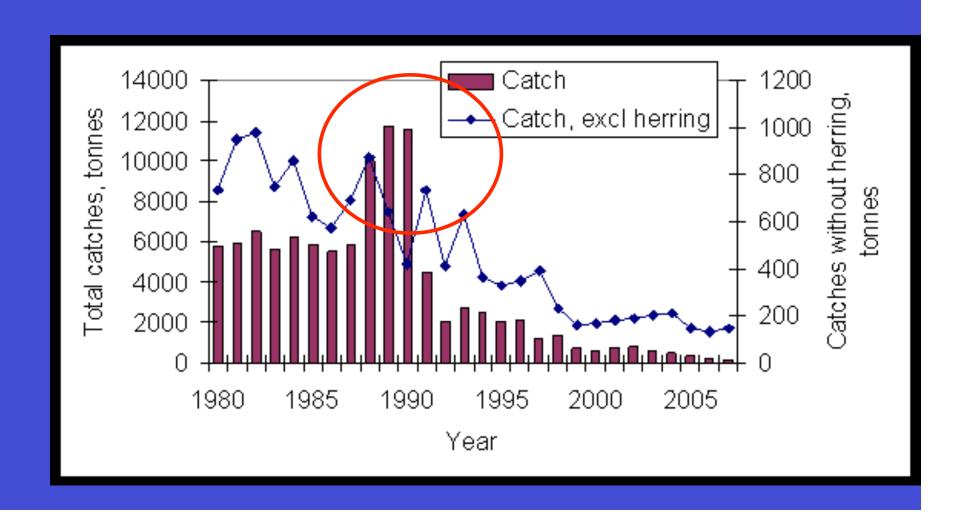




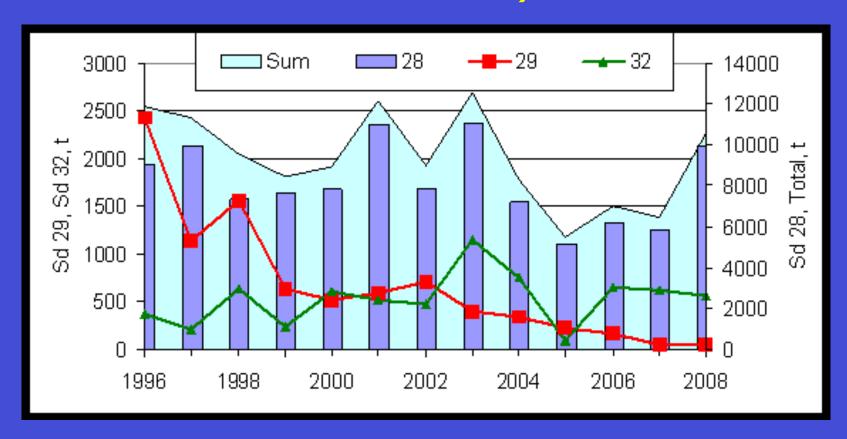
Reedbed areas



Catches in Western-Estonian Archipelago sea 1980-2007 (data: Saat,2008)



Herring catches in Estonian coastal sea in 1996-2008 (by ICES Subdivisions)

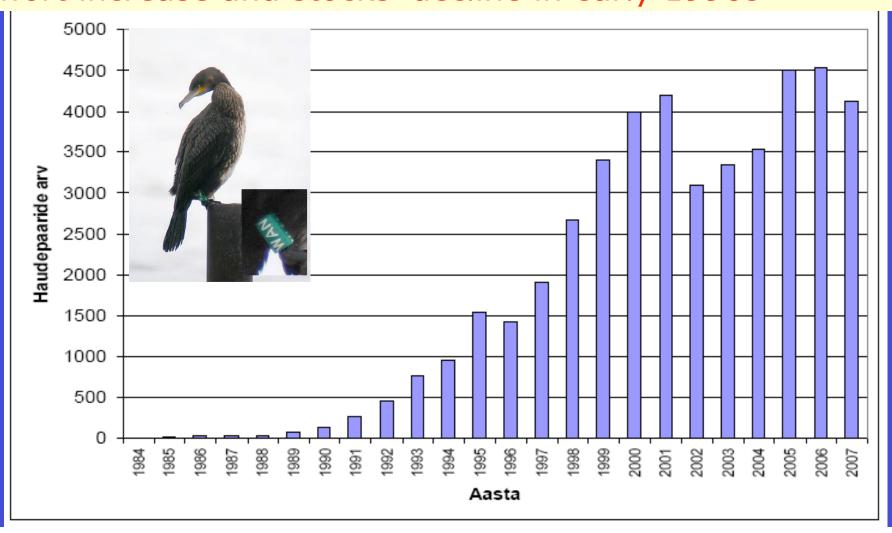


Sharp decrease in SD 29 (W-Estonian Archipelago Sea)

Abundance of cormorants (nesting pairs) in Western Estonian Archipelago Sea in 1984-2007

(Lilleleht, 2008

Increase in cormorant abundance coincided with fishing effort increase and stocks 'decline in early 1990s

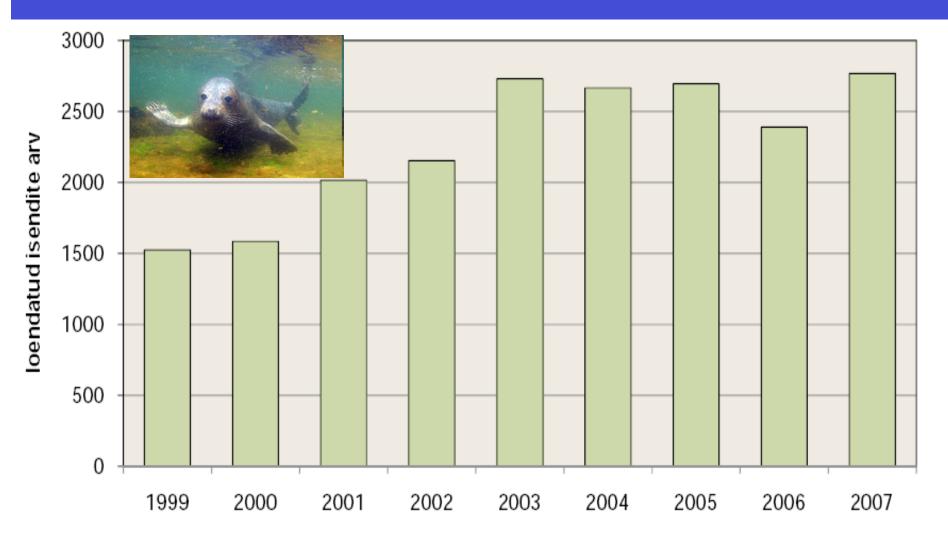


Grey seal-another player in the area Photos M. Wikman and E.Aro

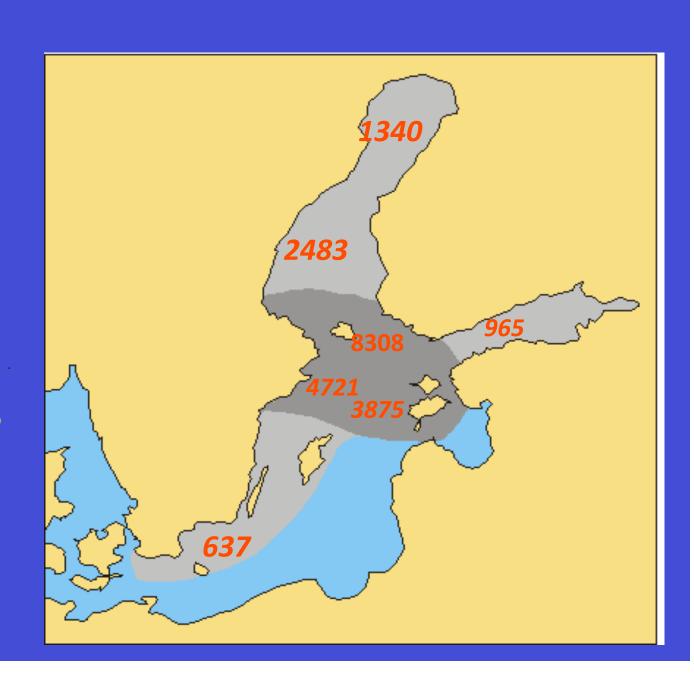


Abundance of Grey seals in Estonian coastal sea in 1999-2007

(www.keskkonnainfo.ee)



Grey seal abundance estimates in 2009. (E.Aro, pers.comm)



TOTAL: 22 395

EU INTERREG IIIA "Plans for Sustainable Development of Fishery in the Southern Finland and in the Western-Estonian Archipelago Sea Area" 2006-2008

 Search for the conceptual strategy for the development of coastal fishery in West-Estonian Archipelago Sea region within the context of decreasing economically valuable local fish stocks

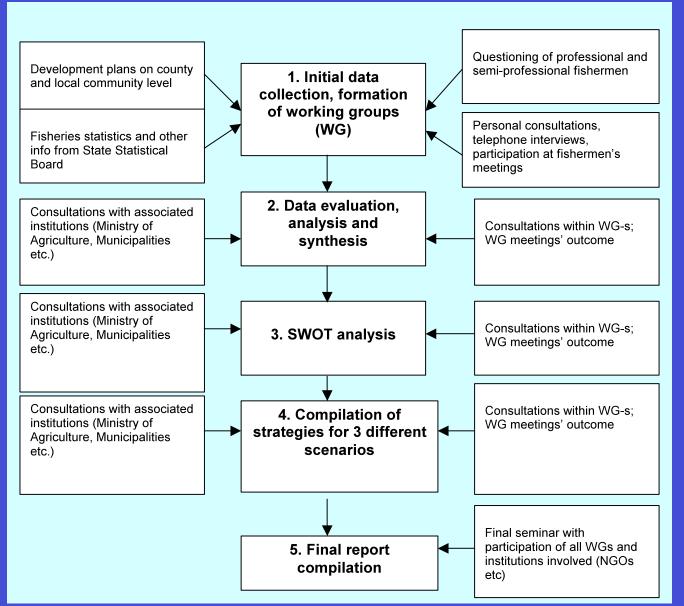
EU INTERREG IIIA "Plans for Sustainable Development of Fishery in the Southern Finland and in the Western-Estonian Archipelago Sea Area"

- Propose the plan for development of professional fishery
- Evaluate the perspectives of fish processing and trading
- Elucidate the needs for the professional education
- Assess the current state and perspectives of fishing tourism
- Evaluate the possibilities for sustainable management of local fish stocks
- Propose the ways of integrated development of coastal zone

Target groups:

- Professional fishermen
- Fish processing enterprises
- Aquaculture enterprises
- Municipalities and county authorities
- Tourism enterprises
- Nature conservation institutions, including the *Natura* 2000 managers

Project framework



Data sources

 Governmental institutions (Estonian Statistical Board & Ministries)

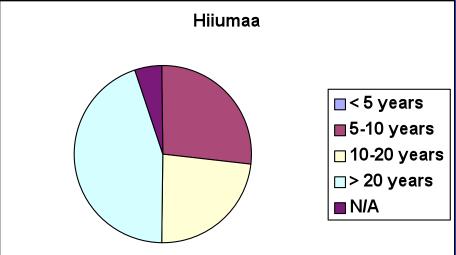
Interviews with fishers (180 questionnaires)

Questionnaire of 20 questions on:

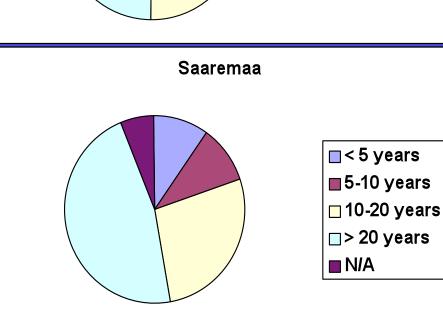
- Who is the coastal fisher?
- Are the fishers satisfied with current situation?
- How does the fisher survive (sources of income)?
- How is the work organised?
- What are the problems?
- What are the future plans?
- What should be done to save coastal fisheries communities?

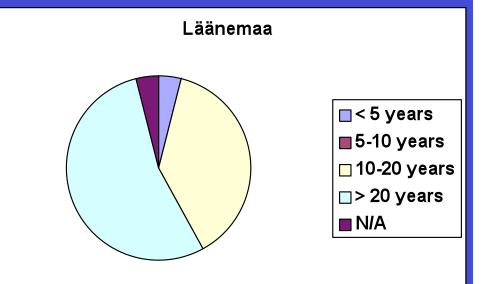
Profile of interviewees: Length of the career as fisher

• 40-50% over 20 years

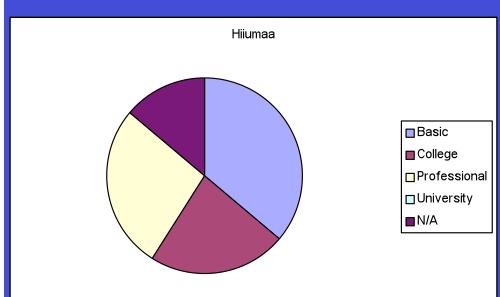


•23-38% started in early 1990s

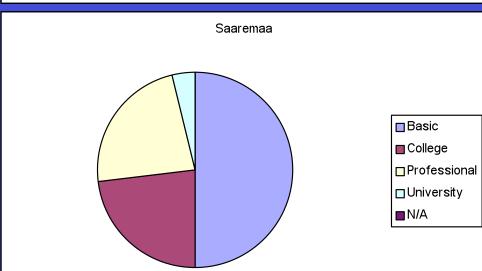


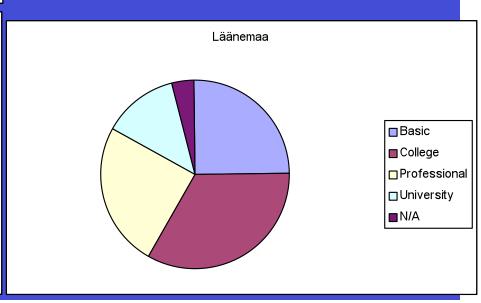


Profile of interviewees: education

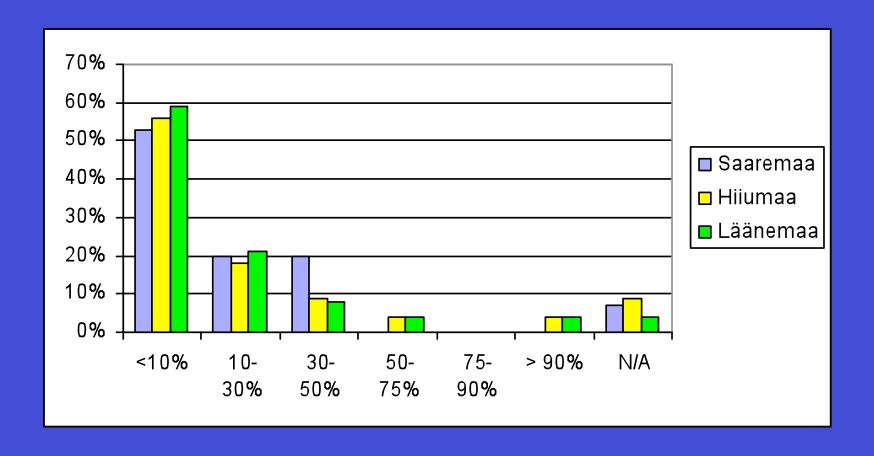


•Elementary and professional education 50-75 %



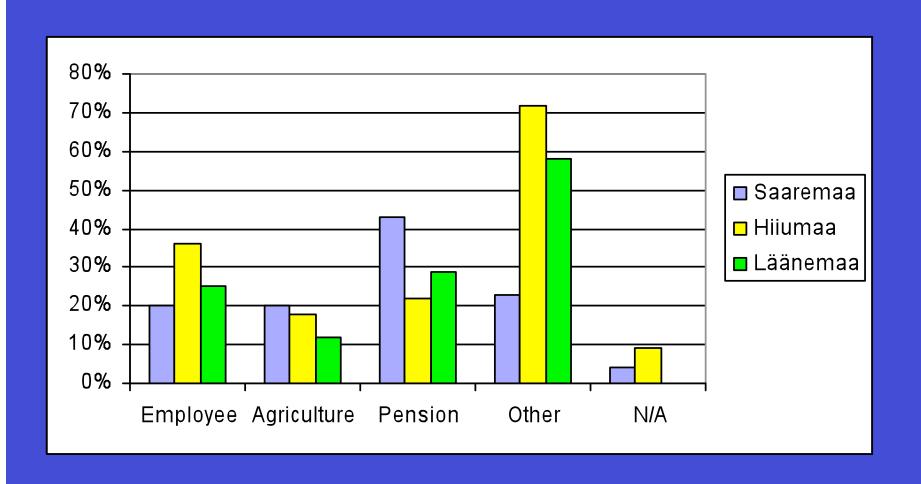


Share of fishery in total income

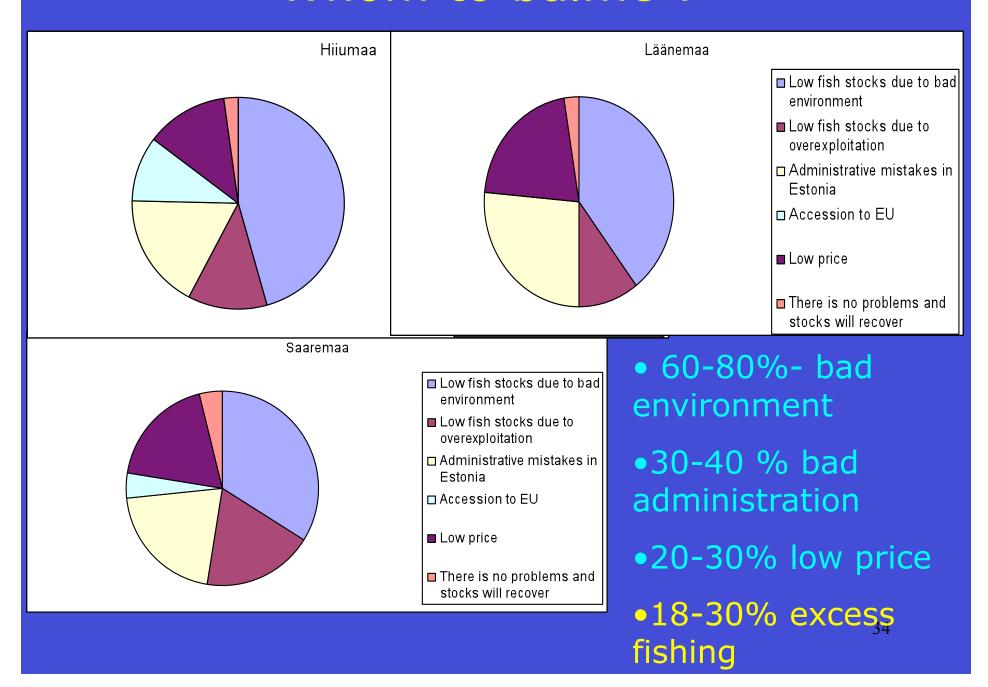


50-60% of fishermen get 90% of income from other sources

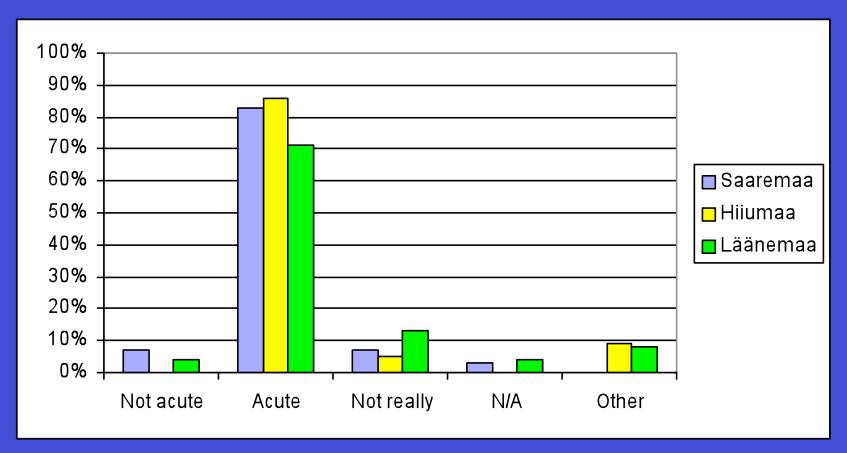
Sources of income other that fishery



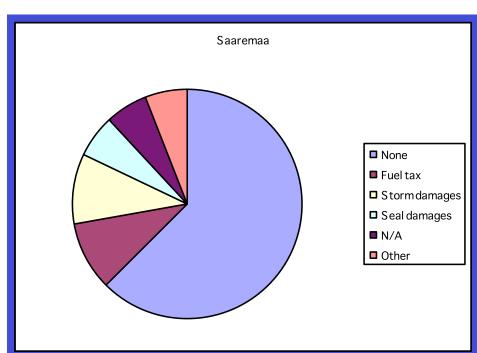
Whom to balme?



Is the problem of competition with cormorats and seals acute?

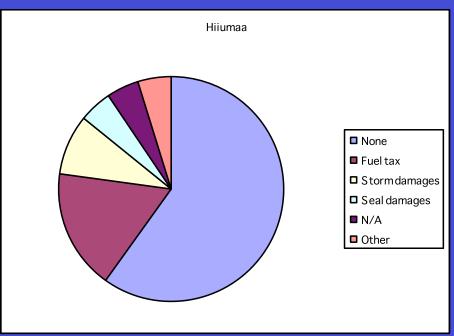


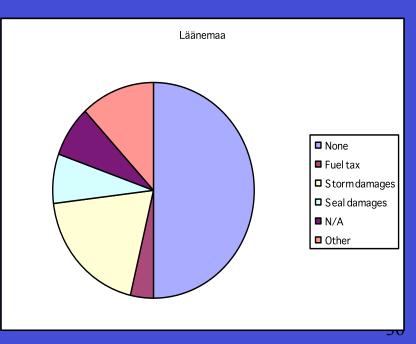
70-90% of fishers feel that seals and cormorants are serious competitors for fish 35



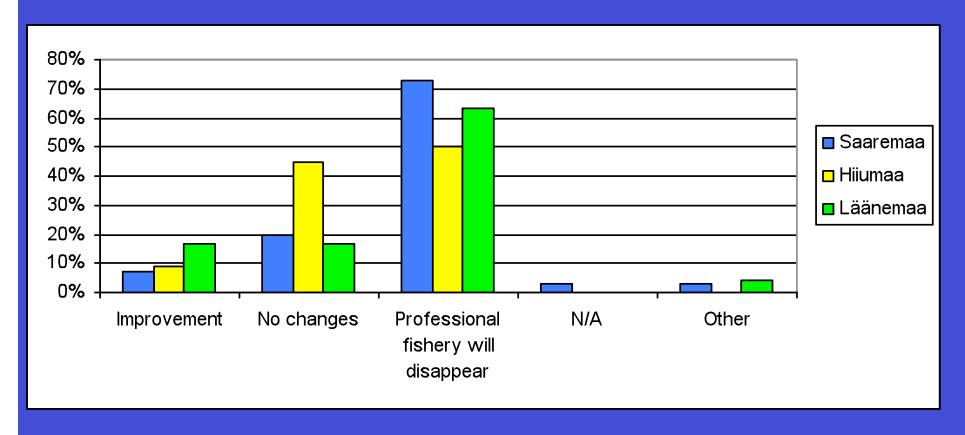
Have you applied for financial support?

- Fishers have been quite passive in applying financial support
- No resources for applying from structural funds?



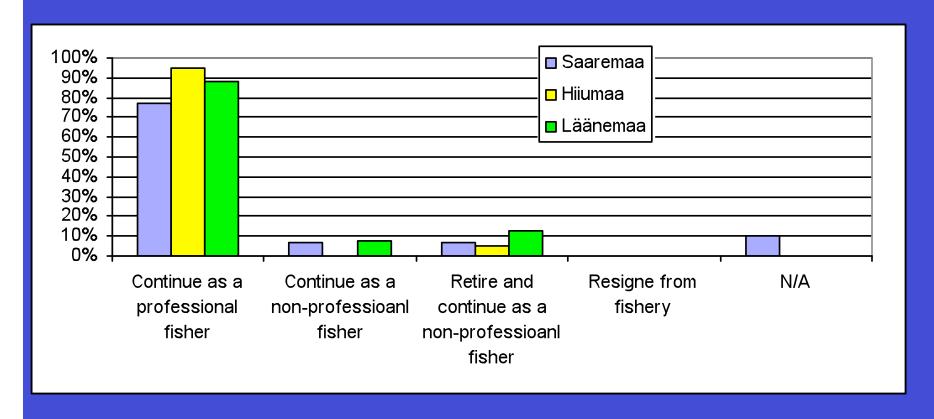


Expected situation in coastal fishery in next 3-5 years



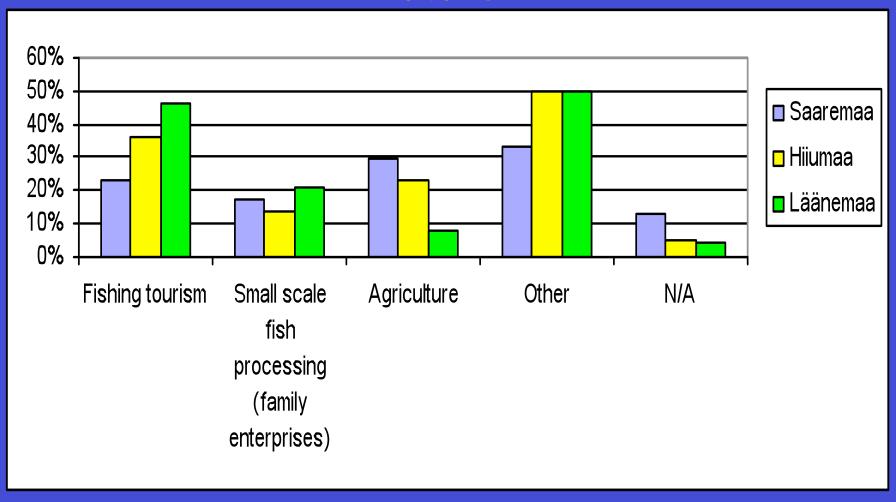
50-75 % admit the grim prospective...

Future plans of interviewees



... yet in all regions over 70% hope to continue as professional fisher...

Assumed sources of additional income in future



- Fishing (fish farm) turism
- Other jobs

A few conlcuding remarks (1)

 Fishing without other supplementary sources of income would not be enough to support the sustainable development of coastal communities.

A few conlcuding remarks(2)

- Fishing (fish farming) tourism and small-scale fish processing in local fishing harbors should be considered as additional income sources for coastal inhabitants.
- Other traditional activities such as agriculture and forestry should be continued or recommenced to safeguard the survival of unique coastal landscapes, villages and the *Natura 2000* sites within the region.

A few conlcuding remarks(3)

 The external financial support (e.g. from European Fisheries Fund) would be vital in order to maintain sustainable development of the coastal fishery in the area.

