



Ola Öberg

- Svensk Fiskodling AB, producing Pike-Perch indoor RAS, Rainbow trout in net pens Stockholm Archipelago.
- Expansion plans, Pike-Perch to 500 ton, room for investors



Representing Swedish Aquaculture Association

- Open for everyone with interest in Swedish aquaculture
- Expansion plans, increase Swedish aquaculture production, room for everybody

This presentation:

The perspective from the Swedish fish farm sector

- On the Swedish National Strategy 2012-2020
- On mussels from the Baltic Sea as a new ingredient in fish feed

The perspective

- *our commitments*
- *authorities commitments*

Swedish Aquaculture Association

On the Strategy 2012-2020

Aquaculture a future Swedish business area

The industry is responsible for:

- Investigate market
- Cooperation
- Support
- Specify training
- Useful Research and development



Swedish Aquaculture Association

On the Strategy 2012-2020

Aquaculture a future Swedish business area

Relevant authorities are responsible for:

- Support and promote
- Simplified regulations
- Interpretation
- Clear Standards
- Reasonable fees
- Training and skills development
- Interact
- Aquaculture council





Swedish Aquaculture Association

On the Strategy 2012-2020

***Aquaculture is a driving
force in regional
development***

The industry is responsible for:

- *sustainable activities*
- *social development*
- *Importance of aquaculture economic*
- *suitable aquaculture areas*





Swedish Aquaculture Association

On the Strategy 2012-2020

Aquaculture is a driving force in regional development

Relevant authorities are responsible for:

- *decide on suitable aquaculture areas*
- *disseminating knowledge about aquaculture and its potential*
- *being responsive to the industry´s views on aquaculture opportunities and constraints*



Swedish Aquaculture Association

On the Strategy 2012-2020

***Environmental and
climate smart products
from lakes and seas***

The industry is responsible for:

- *high quality*
- *use by-products*
- *BAT*
- *competence in health, disease and environment*
- *disease control*





Swedish Aquaculture Association

On the Strategy 2012-2020

***Environmental and
climate smart products
from lakes and seas***

Relevant authorities are responsible for:

- Support research
- National Breeding Program
- Monitor Health Status
- Raw Materials - closed cycle



On mussels from the Baltic Sea

Pro et Con



On mussels from the Baltic Sea

Pro et Con

Pros:

- Gives the product an added value thanks to the use of a local feed ingredient. (you can win margins on a higher sale price)
- Gives arguments why aquaculture is sustainable (makes you feel better)
- Aquaculture strengthens ecological services by removing nutrients from the sea, in the future perhaps a service that could be paid for



On mussels from the Baltic Sea

Pro et Con

Cons:

- Higher feed price (you loose margins with a higher production cost)
- Not sustainable, if imported fish is fed on cheaper produced feed. (you compete on the same market)
- Value added products only address 20 % of the market (the rest buy the cheapest)



On mussels from the Baltic Sea

Some reflexions

Swedish mussel production today 1 500 ton /yearly

Present production area 4 ha

Severe problems with permits

Minimum production for processing plant 10 000 ton

Area demand West-Cost production 27 ha

Baltic 25-50% lower growth rate

Area needed in Åland 50 – 100 ha

Permits???????

Conclusion

Industry and Authorities have commitments on:

- *Aquaculture – a future Swedish business area*
- *Environmental and climate smart products from lakes and seas*
- *Aquaculture is a driving force in regional development*

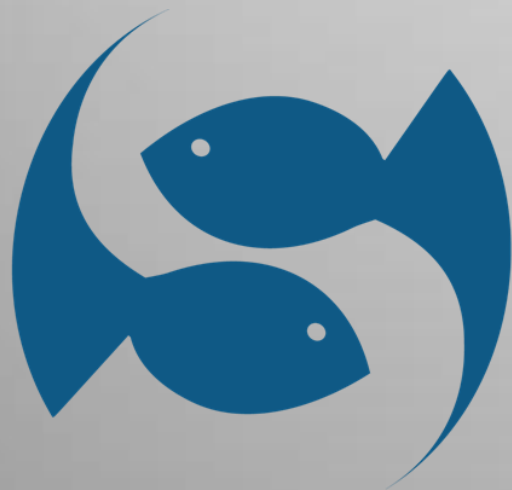
Mussels as feed ingredient

- *Good if it works*
- *Can it really be economically feasible?*



OUR
COMMON
GOAL!

THANK YOU



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