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The future of the Eel

...life or death!



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The eels natural growing areas are our streams, rivers and lakes.

The eel brood come from Sargasso and the destination is our streams, rivers and lakes, were the grow during 10-15 years before they start the long journey back to Sargasso.



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This affects the eel:

Glass eel fishing in Southern Europe

Hydroelectric power plants

Traditional eel fishing

Swimbladder worm, *anguillicola*, in the eels body

Climat

Environment

.....



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Eel fishing (by fishermen) is strictly regulated - 90 days per year.

The electric companies are "fishing" 365 days per year.



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In Sweden, there are 530.000 kms of streams and rivers. 150.000 km of these are broken by approx 2000 hydroelectric powerstations.

The water powerstation have a mortality of 70-90%.
...downstream!

But the small creatures have to go **upstream** as well...
Imagine the concrete walls of the water powerstation.

Look att www.vattenfall.se. Search for "turbindödlighet".



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Eel fishers have always taken eel from the
... "interest".

But, during the last 100 years, the
power companies have taken eel from the
... "capital".



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To stop the fishing of eel leads to one thing only:
"The question of the eels is buried!"

It does not save the eel!

And the water powerplants will continue fishing
anyway!



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Eel fishers have been fishing for
...hundreds/thousands of years!

The power companies started
...100 years ago to build
their water powerplant stations.

This building increased after the second world war.



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We held an
eel seminar "**ÅL 2010**"
on 20-21 April 2010!

With 20 eel experts from Sweden.

We are working on an eel seminar this year
as well.

ÅL 2011 (prel. 13-14 October)
You are welcome!

ÅL 2012
ÅL 2013



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Saving grids for eels exist.

They can decrease the downstream mortality from 70% to 10% per turbine.

These grids are not vertically installed, but lean. In some cases they may even increase the efficiency of the powerplant.



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Kristianstad municipality

We have a very good collaboration with Sven-Erik Magnusson and his staff at Kristianstad Vattenrike.

Region Skåne

We have also established a very good collaboration with the Region of Skåne. In 2010, we received €7.500 from their environmental fund.



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The eel is red-listed!
The eel is threatened to
be extinct!

What can we do?
Now!



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FISH&SAVE

The survival of the eel!

A proposal from Ålakademin



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Minimi lengths for eel

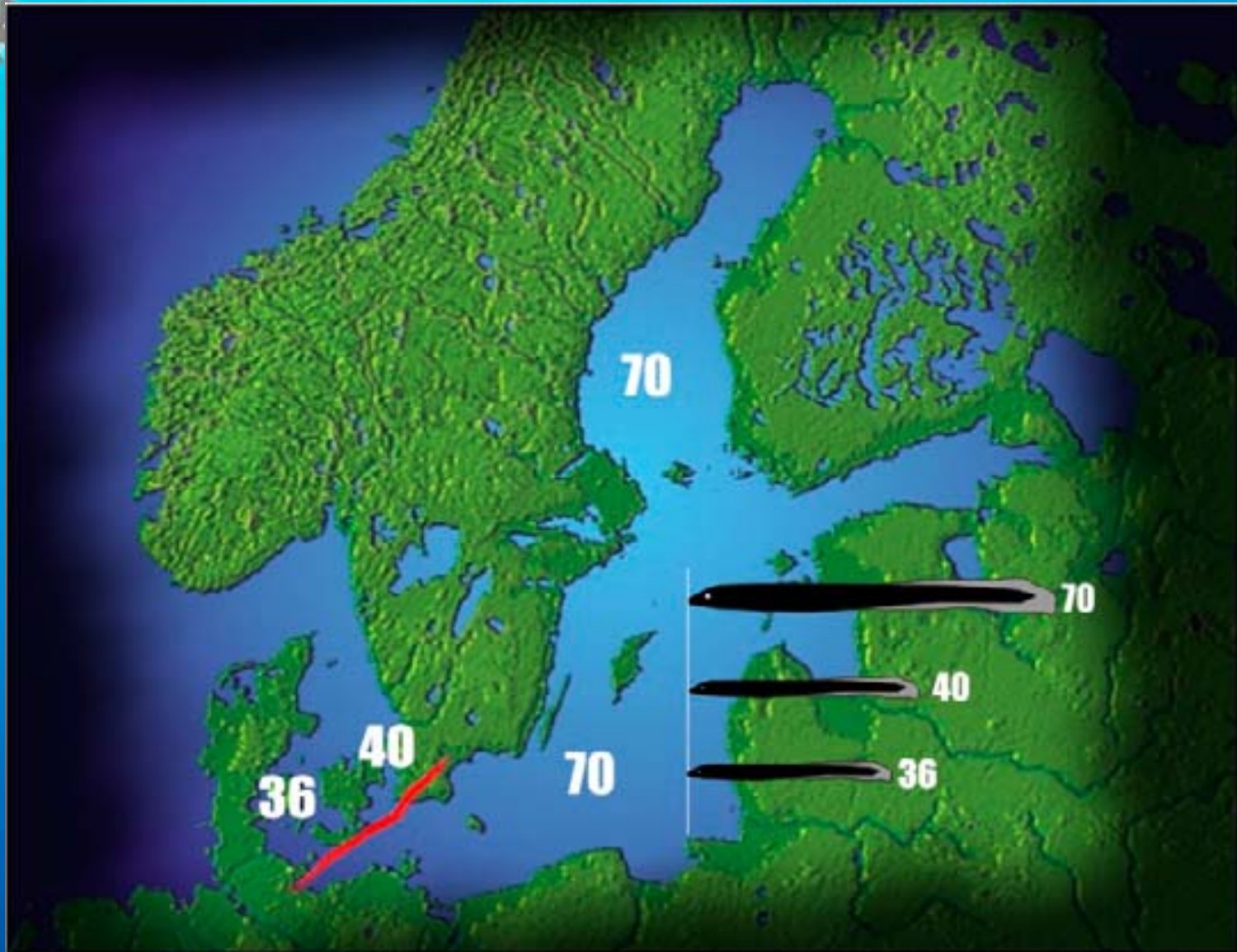
Baltic Sea 70 cm

Öresund 40 cm

Lilla and Stora Bält 36 cm



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FISH&SAVE

The eel fishermen catch at least 180 tonnes of eel and transport them alive in water containers on trucks to the Swedish west coast

...to let them swim further to Sargasso!



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Effects of FISH&SAVE:

Saving these eels from being caught in Öresund and Lilla and Stora Bält.

Fish&Save contribute strongly to achieve the Swedish EU-goals.



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Other effects of FISH&SAVE:

180 tons is a lot to do research on.

We tribute to save the near-coast-fishery.



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FISH&SAVE

is a complement to power companies' actions to save eels.

It does not replace them!

Power companies don't do enough!



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FISH&SAVE

1.5-2.0 million €

per year



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The investment divided by the
65.000.000.000.000 kWh
that the Swedish water
powerplants
produce is...?



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0,000000003 €/kWh



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A financial solution is
needed!



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The eel needs political
decision and
determination
to survive!



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Thank you for listening!

Ålakademin

Ålakademin was founded in 1994.