

Cod farming in Iceland - brief summary -



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Sats på torsk!

**Nasjonal nettverksmøte 9.-11.
februar 2005 i Bergen**

Introduction

- Farming methods
- Production
- Locations of cod farms
- Research work, selective breeding
- Development of cod farming in Iceland in the future
- Conference – Cod Farming in Nordic Countries



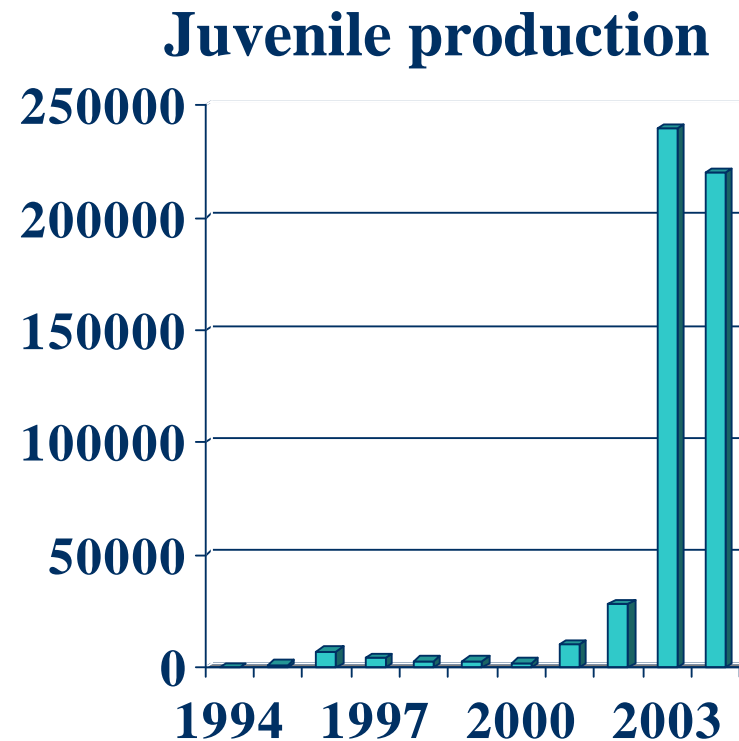
Farming methods

- **There are two main methods of cod farming:**
 - capturing of wild cod and on-growing in sea cages
 - production of cod from hatching to market size.
- **On-growing of wild cod is mainly based on:**
 - Catch of 1-2 kg cod
 - Catch of juveniles (3-10 g)



Production of cod juveniles

- **One hatchery – Icecod :**
 - Marine Research Institute, Stofnfiskur hf., Fiskeldi Eyjafjarðar hf. in collaboration with other Icelandic research institutions and companies.
- **Production capacity**
 - 300,000 juveniles per batch



Catch of wild juveniles

- **Farming methods**

- Catch of 3-10 g juveniles in August – October in trawl
- On-growing in land based farms from autumn to spring
- On-growing in sea cages to market size

- **Catch of wild juveniles for on-growing**

- 2002 65,000 juveniles
- 2003 700,000 juveniles
- 2004 1,000,000 juveniles

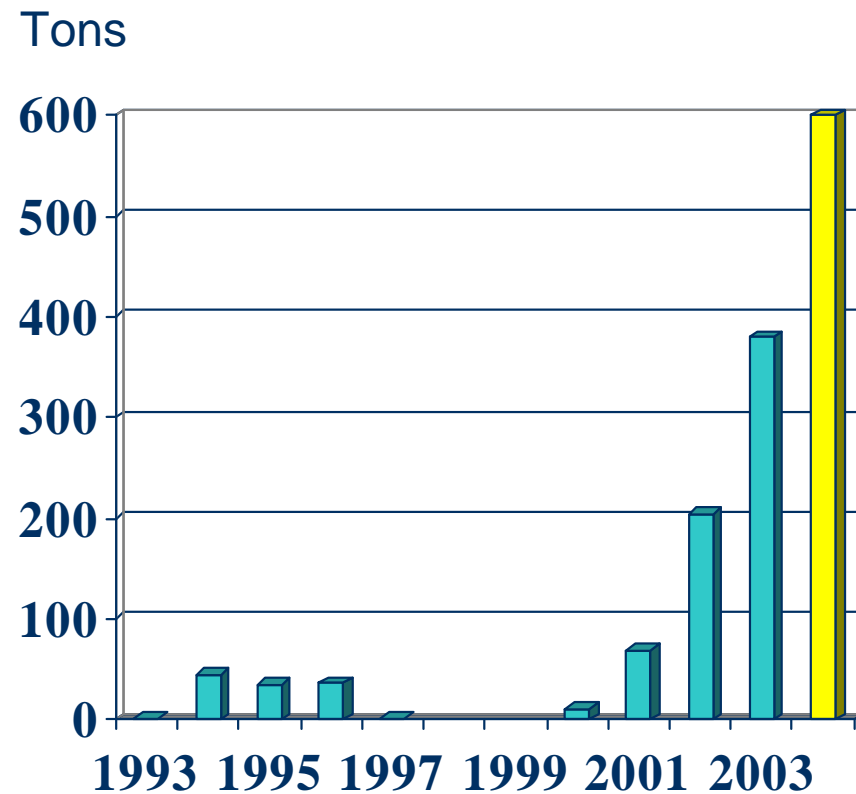
Catch of cod to on-growing

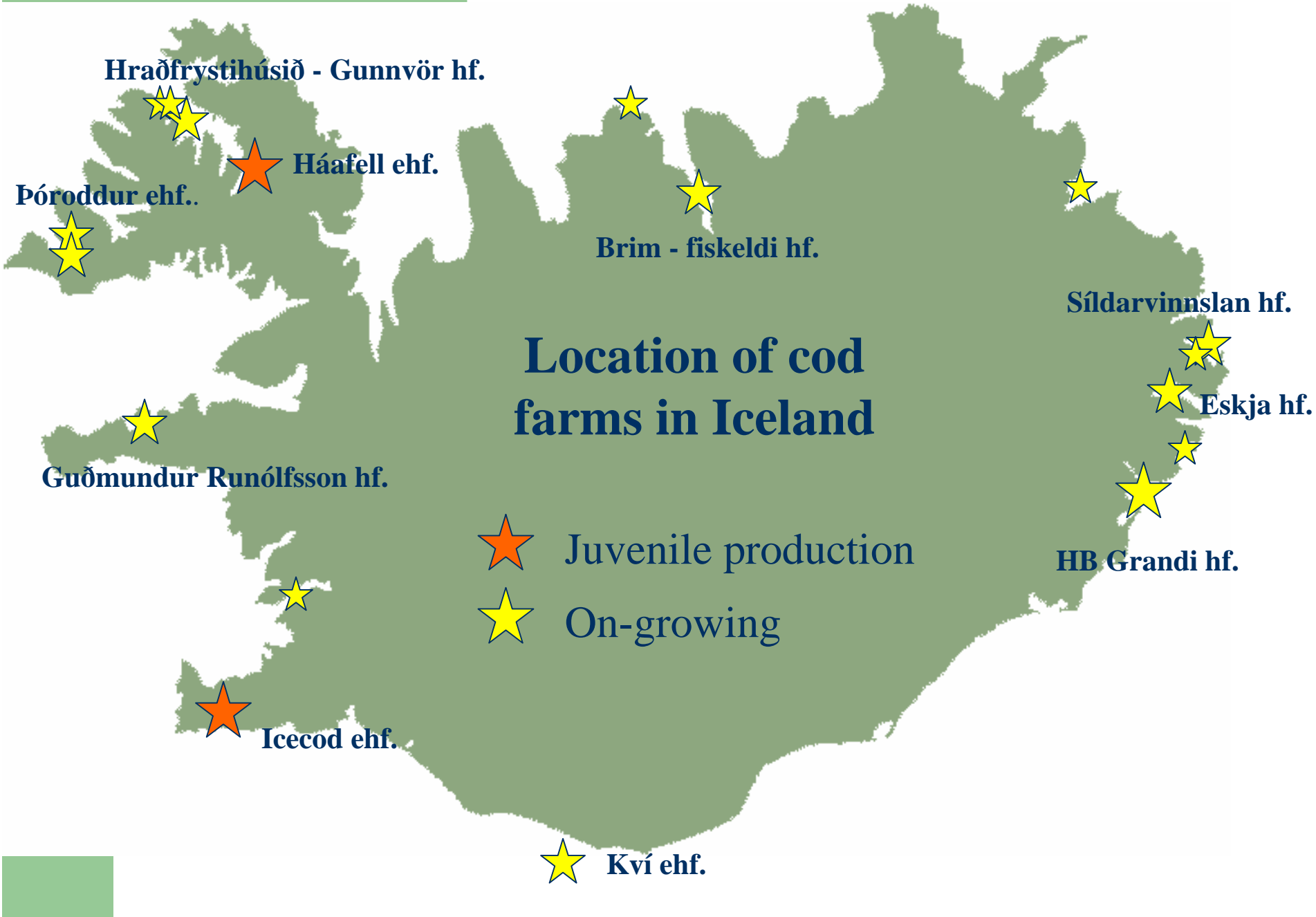
- On-growing trials with wild cod started in Iceland in 1992.
- From 2002 Ministry of Fisheries allocate annually **500 tons** of cod quotas
- The quotas have been used for experimental on-growing trials of cod in cooperation with the Marine Research Institute.
- The quotas allocated to 10-12 farmers yearly



Production of farmed cod in tons

- Majority of the production is from on-growing of wild farmed cod – Only few tons production of farmed cod
- Live weight of cod in cages in the end of the year 2004, about **1,300 tons** (> 90% wild farmed cod)





Location of cod farms – Ownership

- **Owners**
 - Mainly established fisheries companies
- **The Icelandic cod farming experiments**
 - We have done many mistakes, but also learned a lot!
- **The objective for most companies:**
 - Is it possible to make profit out of cod farming in Iceland?



Research work

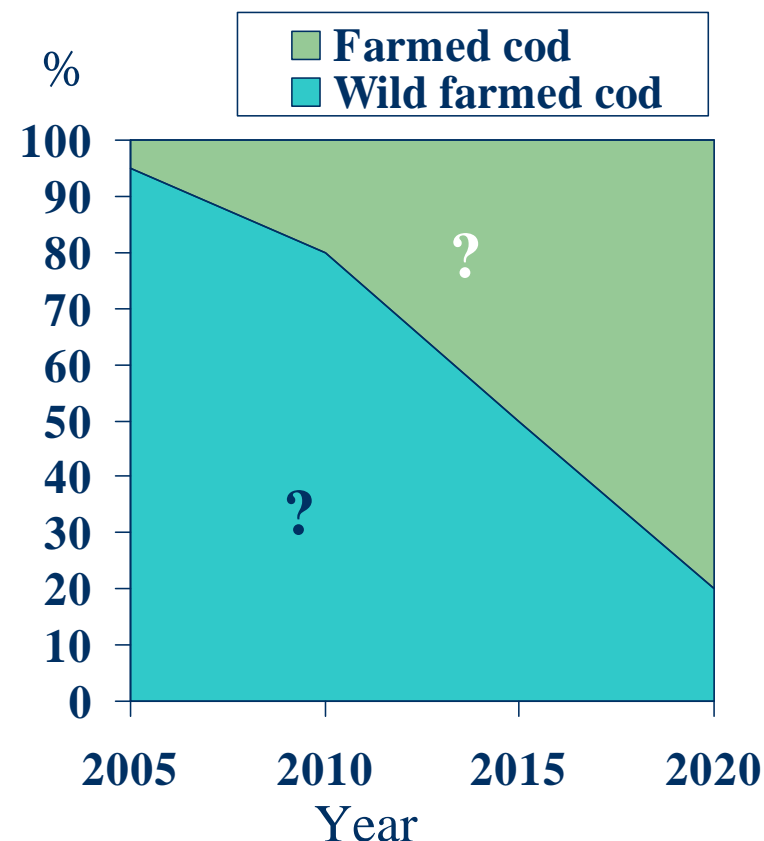
Focus on “selective breeding program”

- Organized family selection-program for cod-farming was started by **Icecod ehf.** in April 2003.
- Wild cod from different areas around Iceland were collected and the juveniles produced will be used to form the base-population for cod-farming in Iceland.
- For the year 2003 and 2004 about **150 females** were collected each year and will be used to estimate genetic parameters for the base population in the cod family - selection program.



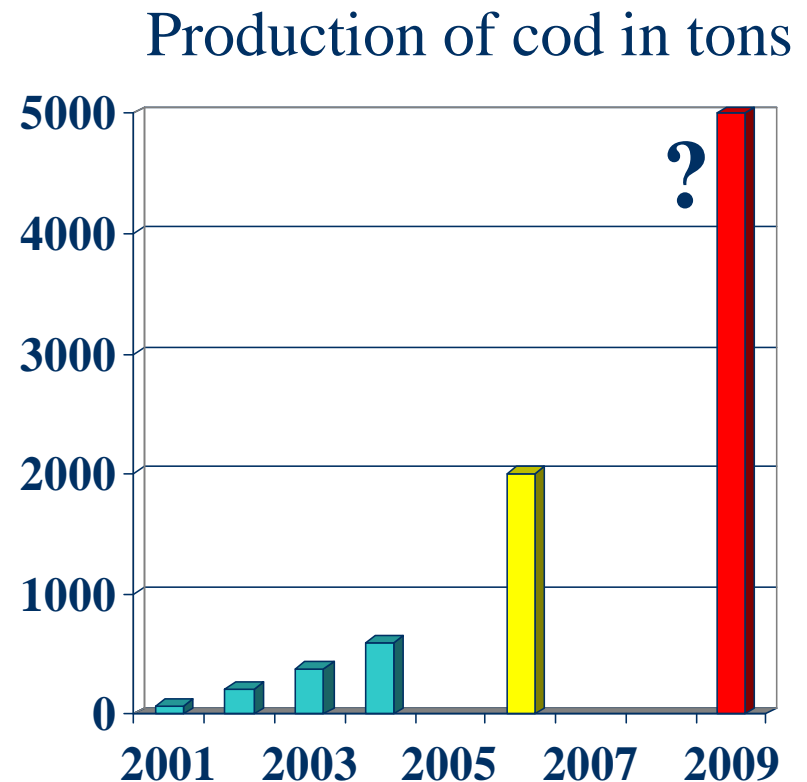
Development of cod farming in Iceland in the future

- **On-growing of wild farmed cod for the next few years**
 - Profitable for some farmers today
- **On- growing of farmed cod**
 - The aim is to build up good breeding stock and adapt/ develop techniques for cod farming in Iceland.



Production of farmed cod next years is mainly based on:

- **On-growing of wild cod**
 - 500 ton quota every year
 - Production around 1,000 – 1,500 tons
- **On-growing with wild juveniles**
 - Around 500,000 juveniles
 - Production around 1,000 tons
- **On-growing with reared juvenile**
 - Around 200,000 juveniles
 - Production around 500 tons



Cod farming conference



- **Name of the conference:**
 - Cod Farming in Nordic Countries
- **Objective**
 - This conference aims at giving an overview of cod farming activities and research in the Nordic countries and define future challenges.
- **Organizers of the conference**
 - This event is being organized by Nordic Cod Farming Network in co-operation with AVS Aquaculture group; AVS stands for Added Value in Seafood.
- **Date and venue**
 - Nordica Hotel, Reykjavík, 6 - 8 September 2005

Cod farming conference - Program



Day 1: Tuesday, September 6

- Session 1: Juvenile production and selective breeding
- Session 2: Farming of wild cod
- Session 3: On-growth and rearing technology
- Session 4: Health and environmental considerations related to cod farming
- Reception by the Minister of Fisheries

Cod farming conference - Program



Day 2: Wednesday, September 7

- Excursion (optional)
- Icelandic Fisheries Exhibition

Day 3: Thursday, September 8

- Session 5: Status and perspectives in cod farming in Nordic countries
- Session 6: Quality, processing and marketing
- Session 7: Added Value in Seafood including aquaculture and biotechnology organized by Ministry of Fisheries

Conference's website:

www.fiskeldi.is/codconference.html



Cod Farming in Nordic Countries
Nordica Hotel, Reykjavík
6 - 8 September 2005

- » Conference information
- » Program
- » Registration
- » Accommodation
- » Links and maps
- » Abstracts
- » Sponsors
- » Organizers

WELCOME

This conference aims to give an overview of cod farming activities and research in Nordic countries and define future challenges.

The cost of attending the conference is € 270 per person (22,000 ISK). This represents excellent value when you consider that it includes all conference material, events and meals including reception and **exhibition**. Details of flights and hotel deals can be accessed under the **accommodation section** of the website. Excursion to visit fish farms is an optional part of this conference with a special fee of € 70 (4,600 ISK).

If you book before 1st of June 2005 you can take advantage of our special **Early Bird** price of € 210 per person (17,000 ISK).

Organized by **Nordic cod farming Network** in co-operation with **Aquaculture group AVS**