

# Integration of cod fisheries and cod farming at Hradfystihusid - Gunnvör Ltd.

**Kristjan G. Joakimsson**  
**Manager of production and sales**

**Cod farming in Nordic countries**  
**Reykjavik, Oct. 1st 2008**

## Contents:

- Introduction to HG
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cod farming at HG
- Closing remarks





### Three main activities at HG Ltd:

- Catching and processing of ground fish
- Frozen at sea production (FAS)
- Cod farming
  - HG – Sea farms
  - Haafell – juvenile farm
  - Icecod - breeding company



### Location:



Isafjordur      Sea cages      Juvenile cod farm (Haafell ehf)



Cod breeding (Iccod ehf)





## Cod farming at HG

Catching of wild  
1–2 kg cod



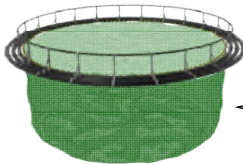
Hatchery  
2 – 10 g juveniles



Catching of wild  
2 – 5 g juveniles



On-growing of wild cod



On-growing of  
75 – 150 g juveniles

Juvenile farm

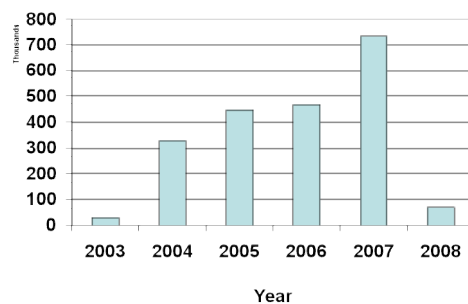


## Juvenile cod farm - Haafell ehf.



Production of ca 100 g hatched and  
wild caught juveniles

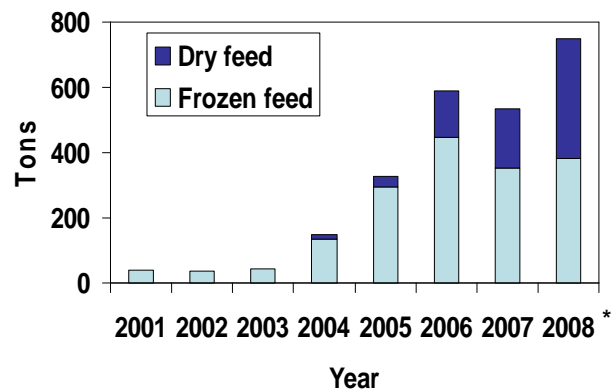
Production



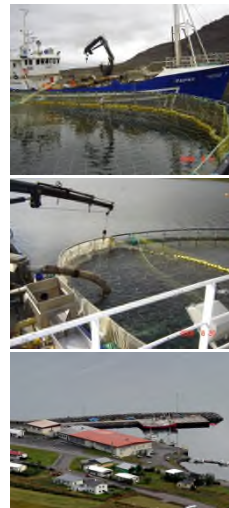
## Production:



### Slaughtered quantity



\* estimated



## On-growing of captured cod



- Infjord prawn fishing boats
- Building up "know how" in the company
- Product development
- Market testing



## On-growing of captured cod is an intermediate step !

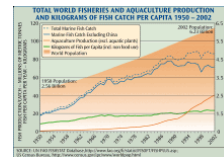
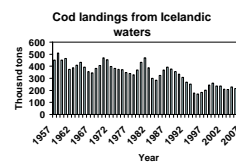


Traditional catching and processing of cod



**Intermediate step:**  
On-growing of captured cod

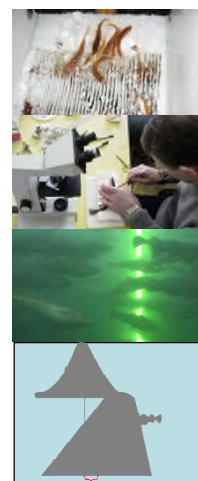
Intensive farmed cod



## Challenges in cod farming:



- Production of juvenile cod
- Diseases
- Maturation
- Breeding





### **Advances with on-growing of wild captured cod:**

Shorter production cycle:

- Relatively low fry and juvenile costs
- Less risk for diseases and other losses
- Less costs related to maturation/spawning
- Less capital costs
- Testing of processes, products and markets



### **Intergration of cod fisheries and farming**

- Wild cod quotas vs cod farming
- Own small infjord boats
- Processing plants
- Infrastructure in the company
- Skilled and experienced processing people
- Fresh fish trawlers
- Sales channels
- Feeding and slaughtering regime





## Homogen products

- Wild and farmed
- Fresh and frozen
- By-products



## Markets

- Some buyers want wild origin
- Some buyers want farmed fish
- Most of the buyers don't mind

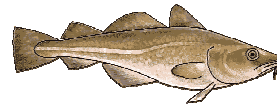




### Closing remarks:



- On-growing of wild captured cod is an important intermediate step on the way to intensive farmed cod.
- Building up "know how" and brood stock.
- Developement of homogen products from wild, on-growing of captured and farmed cod is important.
- Atlantic Cod (wild and farmed) will compete with other wild and farmed white fish species.



**Thank you for the attention !**

