



Statens tilsyn for planter, fisk, dyr og næringsmidler

Welfare of farmed fish

State's perspective: Norway

Bente Bergersen, The Norwegian Food Safety Authority, Animal welfare section

Inger Fyllingen, The Norwegian Food Safety Authority, Fish health and fish welfare section

Production statistics 2016

Transferred to on-growing sites at sea

- 315 million salmon smolt
- 19.6 million rainbow trout
- 37.4 million cleaner fish

Value slaughtered fish

Salmon:
6 thousand million Euros

Rainbow trout:
368 million Euros



Regulatory framework

Animal Welfare Act – since 1974 applicable to fish

2005-2008: Welfare Regulations issued on:

- Keeping of farmed fish
- Slaughter
- Transport
- Approval of aquaculture establishments

Training programmes for inspectors

➤ Keeping of fish - 2007

- 3 practical and theoretical courses
- Main focus: Water quality, feed, inspections

➤ Slaughter - 2007

- 3 practical and theoretical courses
- Main focus: Stunning, crowding, handling



2014 - Guidance on slaughter

Comprehensive guidance on legal requirements

Target group:
Abattoir and our inspectors

Aim:

- Uniformity of interpretation of legal requirements and decisions taken
- Increase awareness and alter attitudes

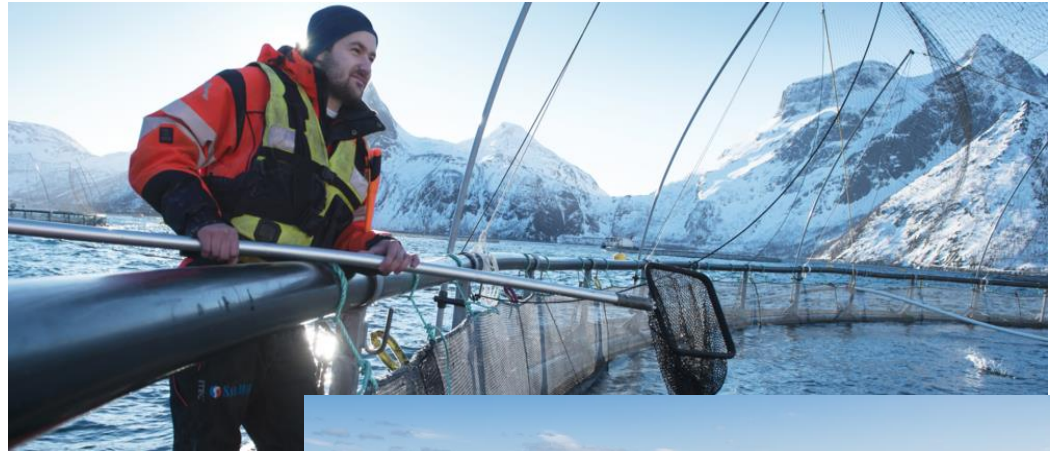


Health – Salmon lice

Delousing -

- previously medication
- drug resistance issues
- use of cleaner fish

Development of other methods such as
Hot water treatment



Internal bleeding

Brain



Lumpfish
Cyclopterus lumpus

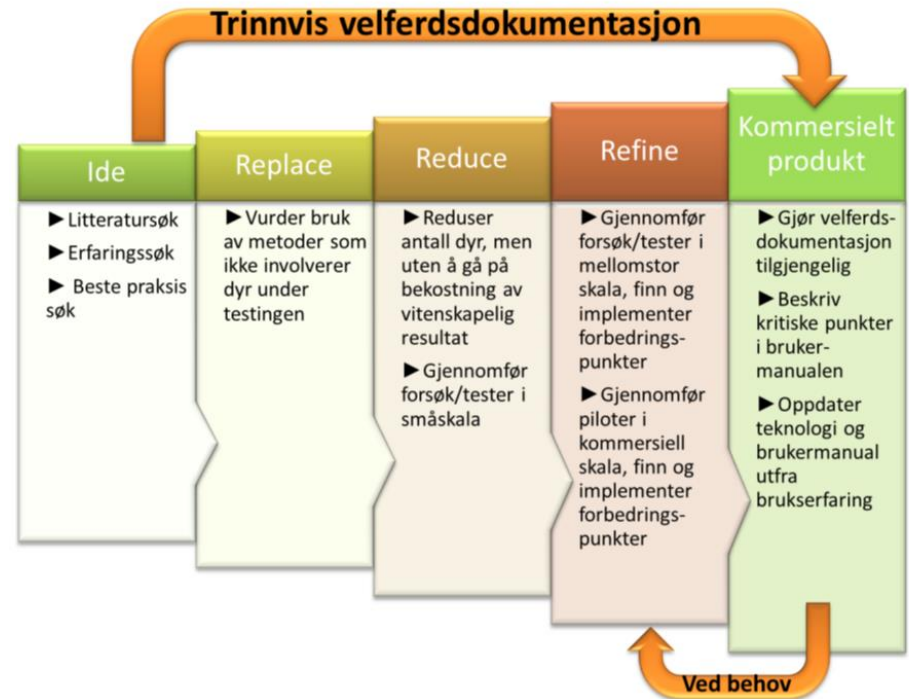
New methods and equipment

Rapid changes and technological developments in fish farming

Difficult to keep pace with

Have to be tested and proved acceptable from welfare perspective

Main focus in recent years



Illustrasjon: Kristine Gismervik, VI

Enforcement measures



Guidance

Decisions

Deadlines for corrective action

Sanctions:

Reduction of production

Withdrawal of licence

Coercive fines (also daily)

Infringement offence notices (instant fines)

Maximum sum 145,000 Euros

NOTE: 1 day on-growing of 2 mill. fish at 2 kg:

Cost of feed – 52,000 Euros

Earnings on daily growth – 200,000 Euros

Prosecution

A close-up photograph of two Atlantic wolffish swimming underwater. The fish are dark brown with a mottled pattern and prominent blue eyes. The fish on the left has its mouth slightly open, showing small teeth. The background is a sandy seabed with some light-colored patches.

Thank you for your attention

Atlantic wolffish
Anarhichas lupus