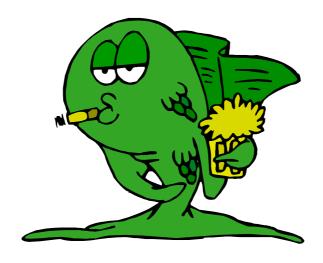
Have we reached consensus?



Statistics

- What is a research fish?
- What are we using research fish for?
- Different categories depending on degree of "suffering"

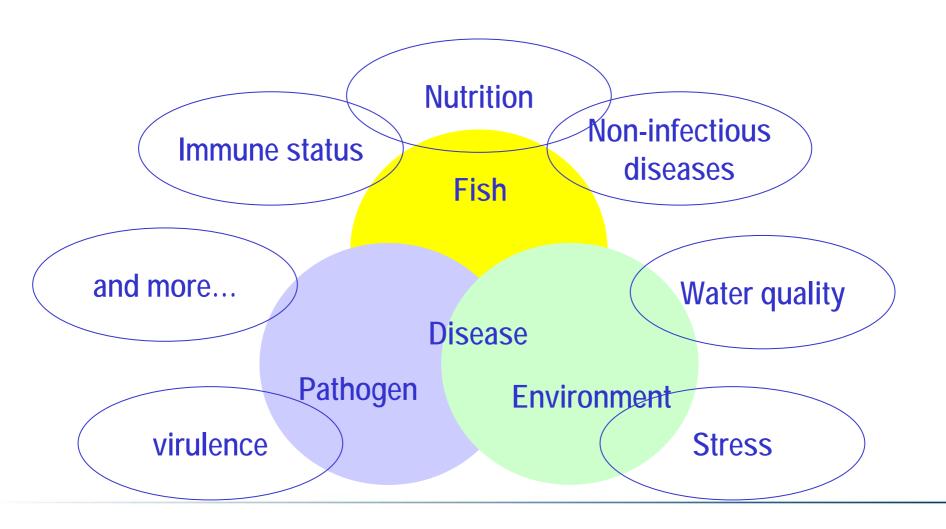
Inspections

- UK "best in class?"
- Norway "worst in class?"

Accreditations

- AAALAC (Will Peter be the first AAALAC fish-lab?)
- ISO, GCP, other?

Health monitoring



We need guidelines for health monitoring of each fish species in each type of research

Two papers in preparation:

"Health and welfare monitoring of fish used in research"
"Disease monitoring of Atlantic salmon (*Salmo salar*) used in research related to aquaculture"

A lot more papers are needed on this subject!

Guidelines

- We need a overview of what exist
- Do we want or need more guidelines?
 - Care and use
 - Procedures for blood sampling, water quality, anaesthesia, human(e) killing, tagging, etc.....
 - Health monitoring (FELASA?)
- Legislations
 - Appendix A
 - EU-directive
 - National laws (Animal welfare act)

Fish experiments required by law

- Vaccines
- Medicines
- Toxins
- Chemicals
- Hormone analogues
- Others?



Reduce

- Design of fish research
 - Number of fish that we use? (Stig Larsen)
 - Several samples from the same fish
 - Alternatives
- Models
 - Reproducible results
 - Standardised fish
 - More zebrafish?



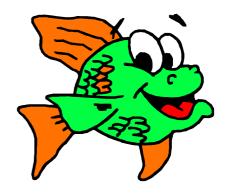
Relevance

- Vaccine testing
 - OK in experimental conditions
 - Side effects in the real world



Do fish feel pain?

- Do we need to answer this question?
- How will a positive or negative answer affect what we do?
- What research do we need to answer this question?
 - Nociception
 - Cognitive abilities
- Neurophysiological stage?



Why do we have to treat fish well?

Philosophical question

