

Freshwater aquaculture in the EU

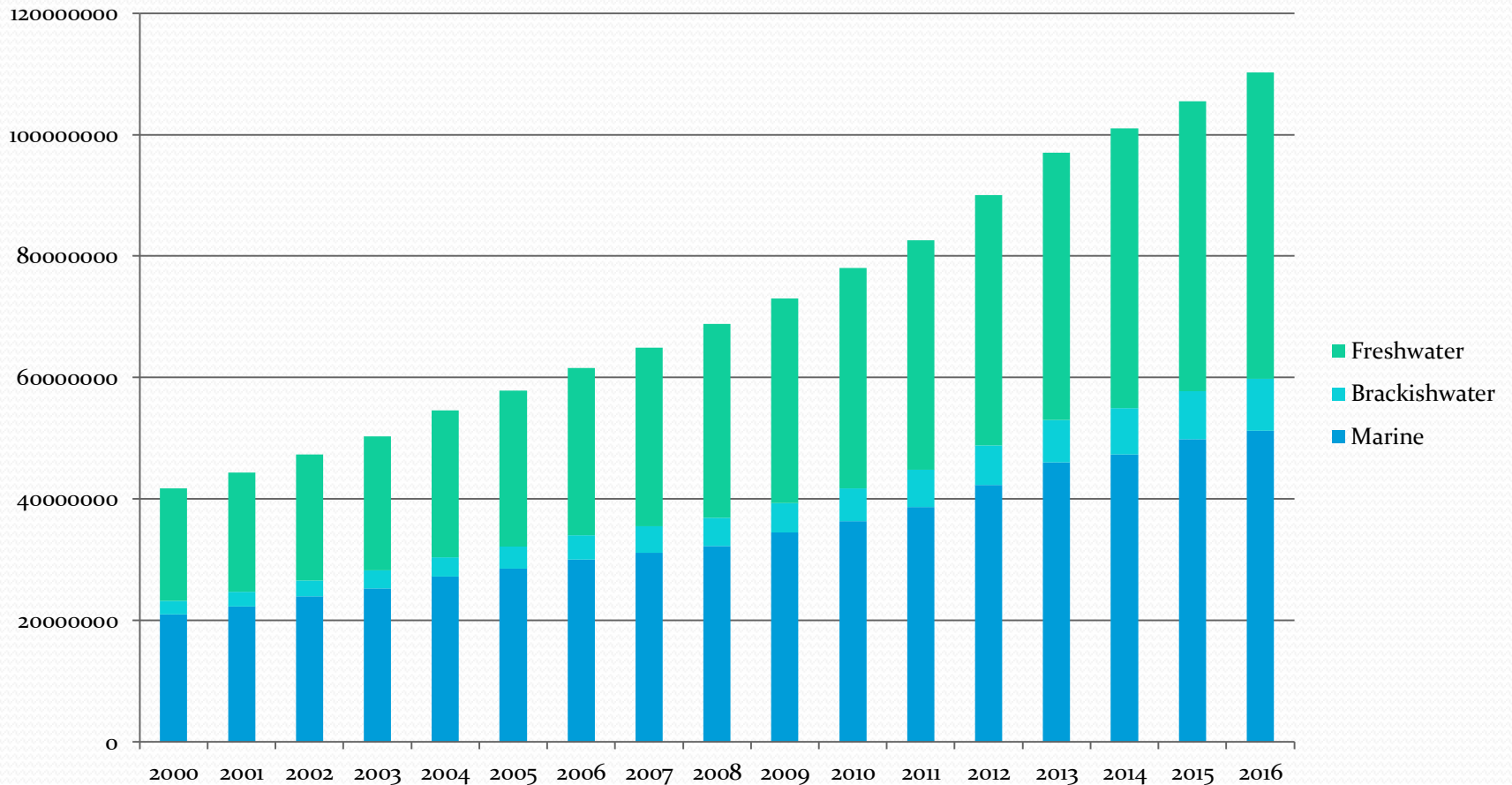
- facts and figures

Peter Lengyel
Ministry of Agriculture of Hungary

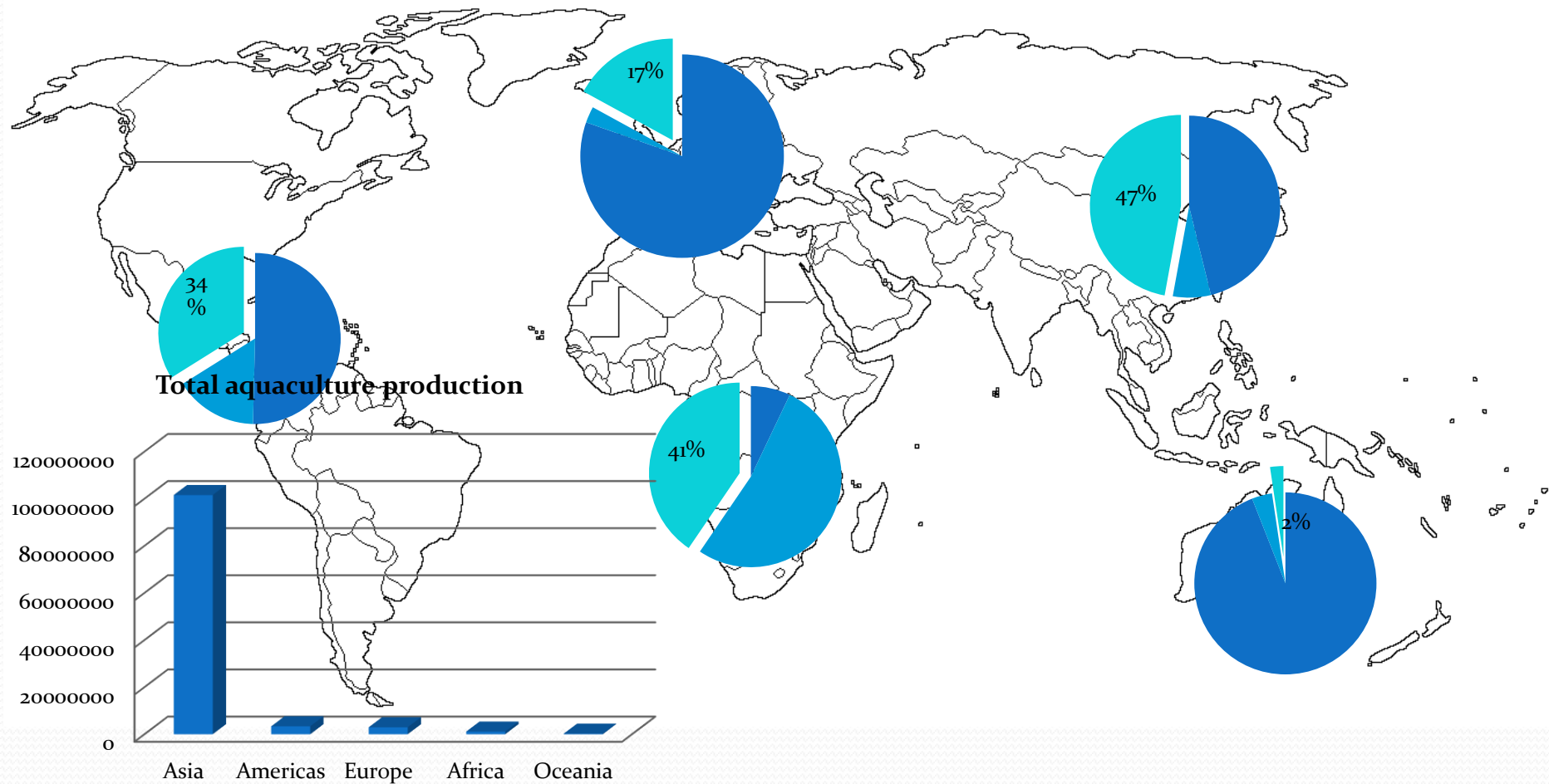
V4 Freshwater Aquaculture Conference
Szarvas, 26 April 2018



Aquaculture production in the world

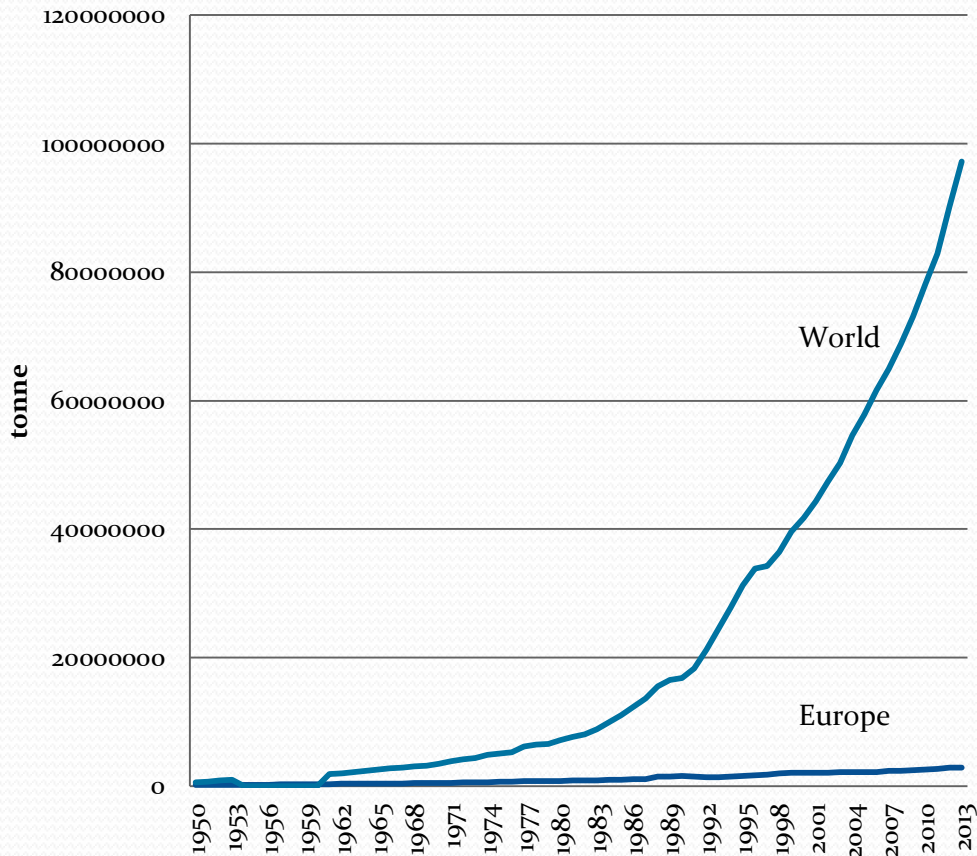


Share of freshwater aquaculture in the world

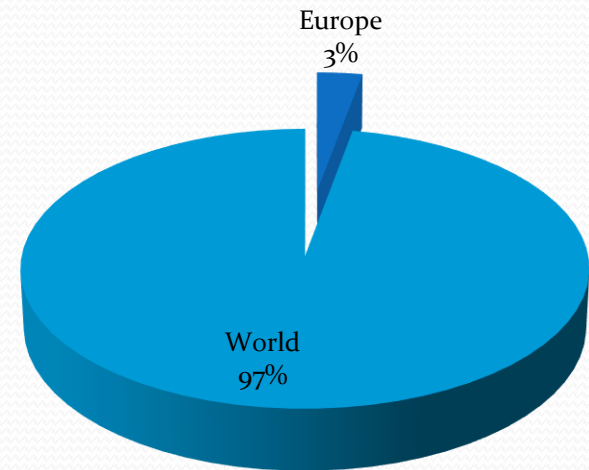


Role of European aquaculture in the world

Growth of aquaculture production

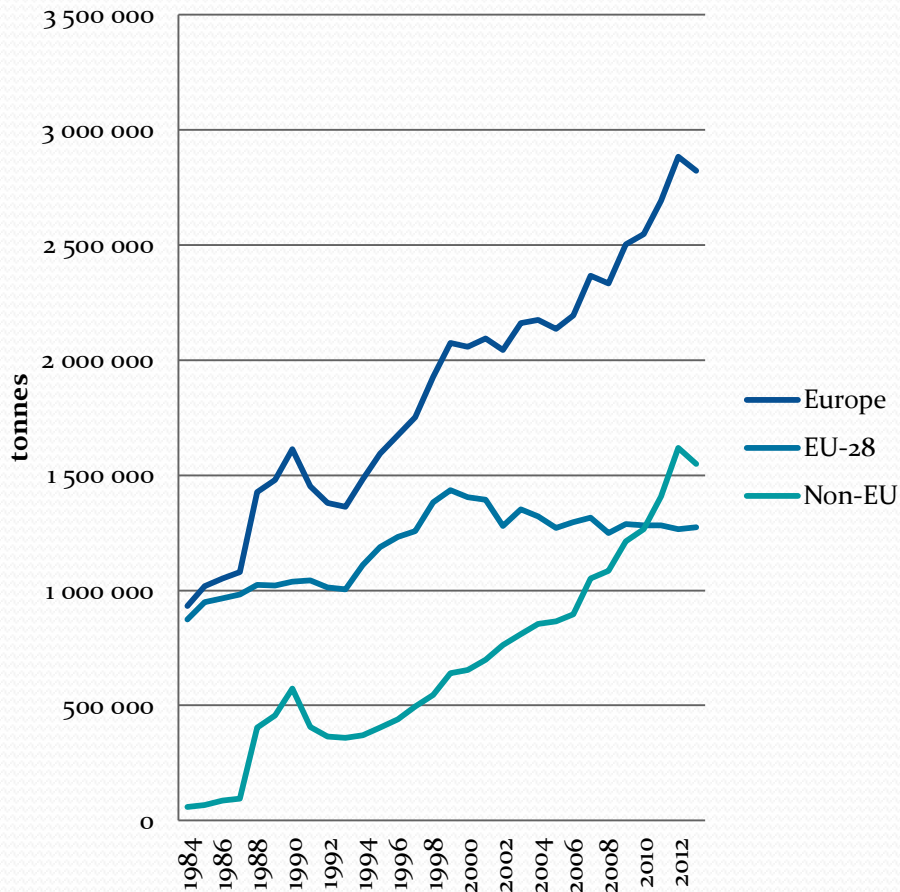


Share of European aquaculture

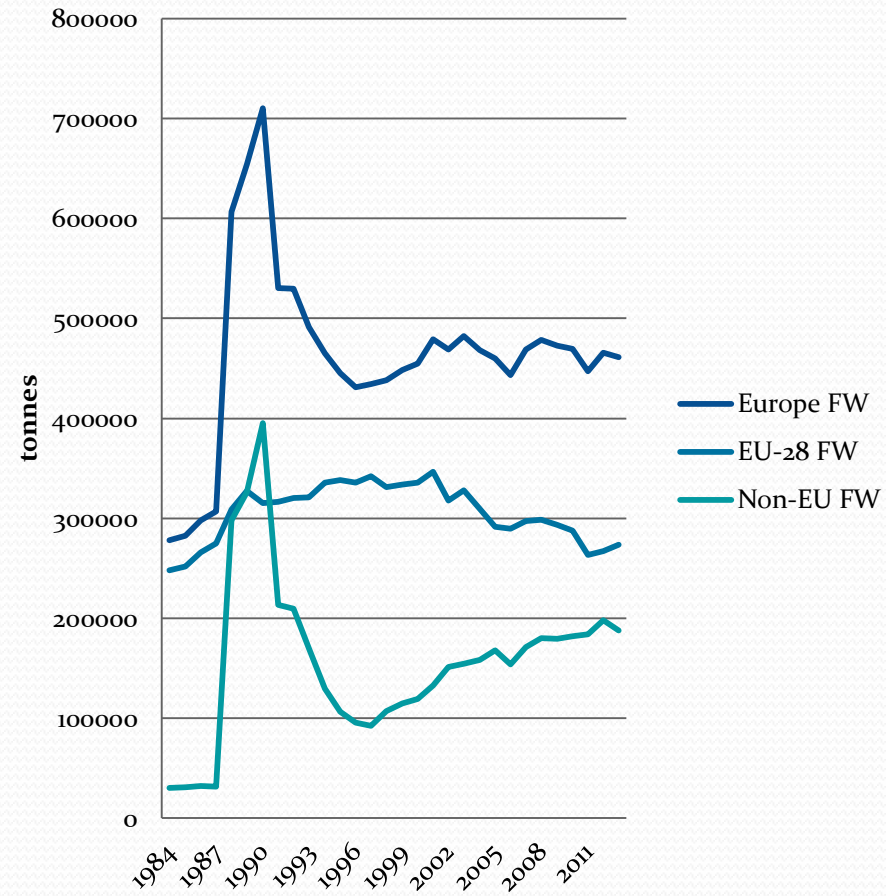


Growth of European aquaculture production

Growth of aquaculture production in Europe

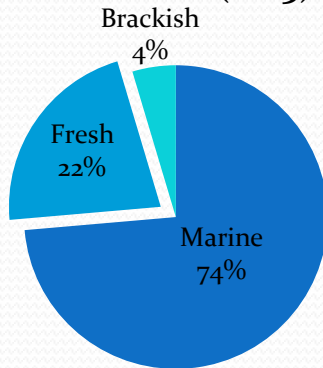


Growth of freshwater aquaculture production in Europe

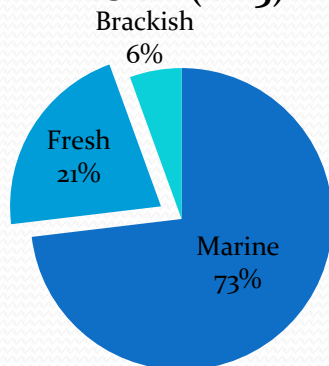


Role of freshwater aquaculture in Europe

Volume of aquaculture production in the EU-28 (2015)

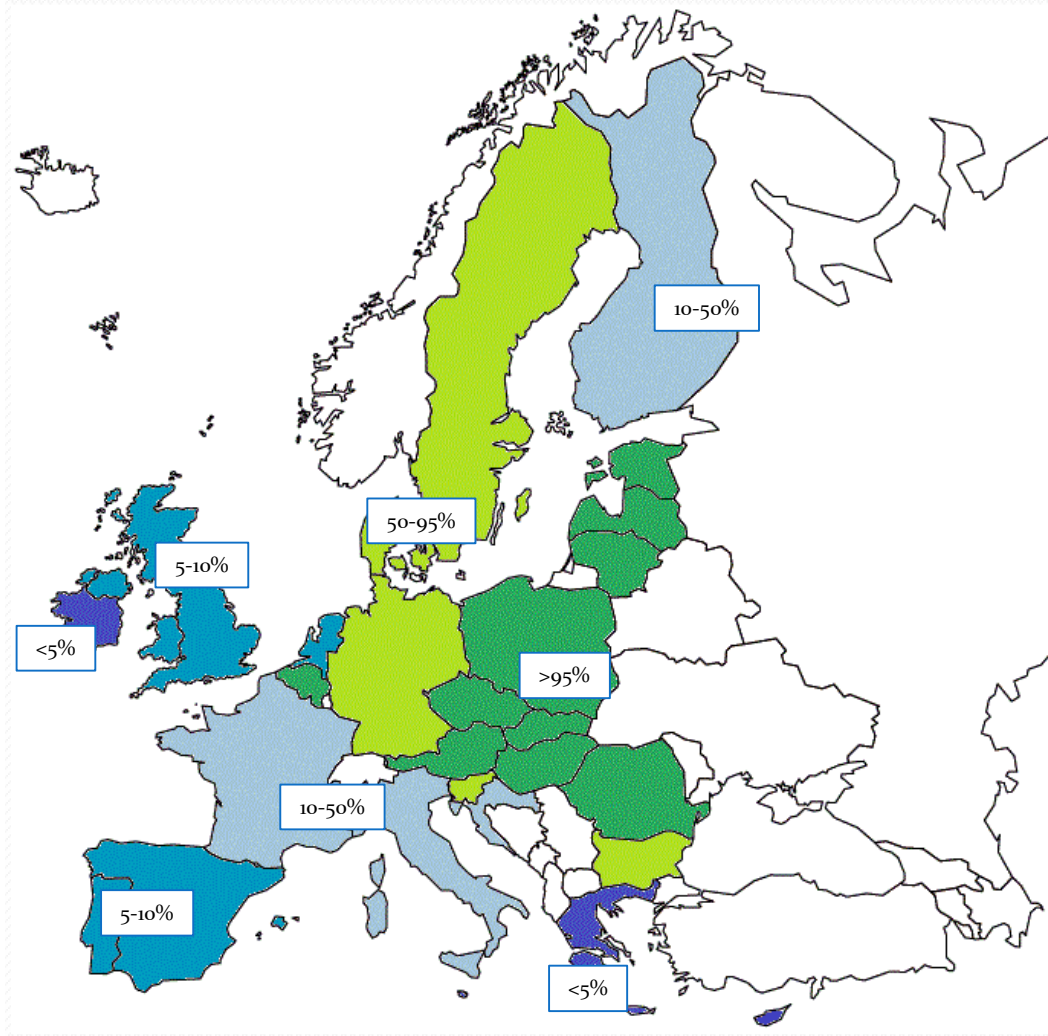


Value of aquaculture production in the EU-28 (2015)



Role of freshwater aquaculture in Europe

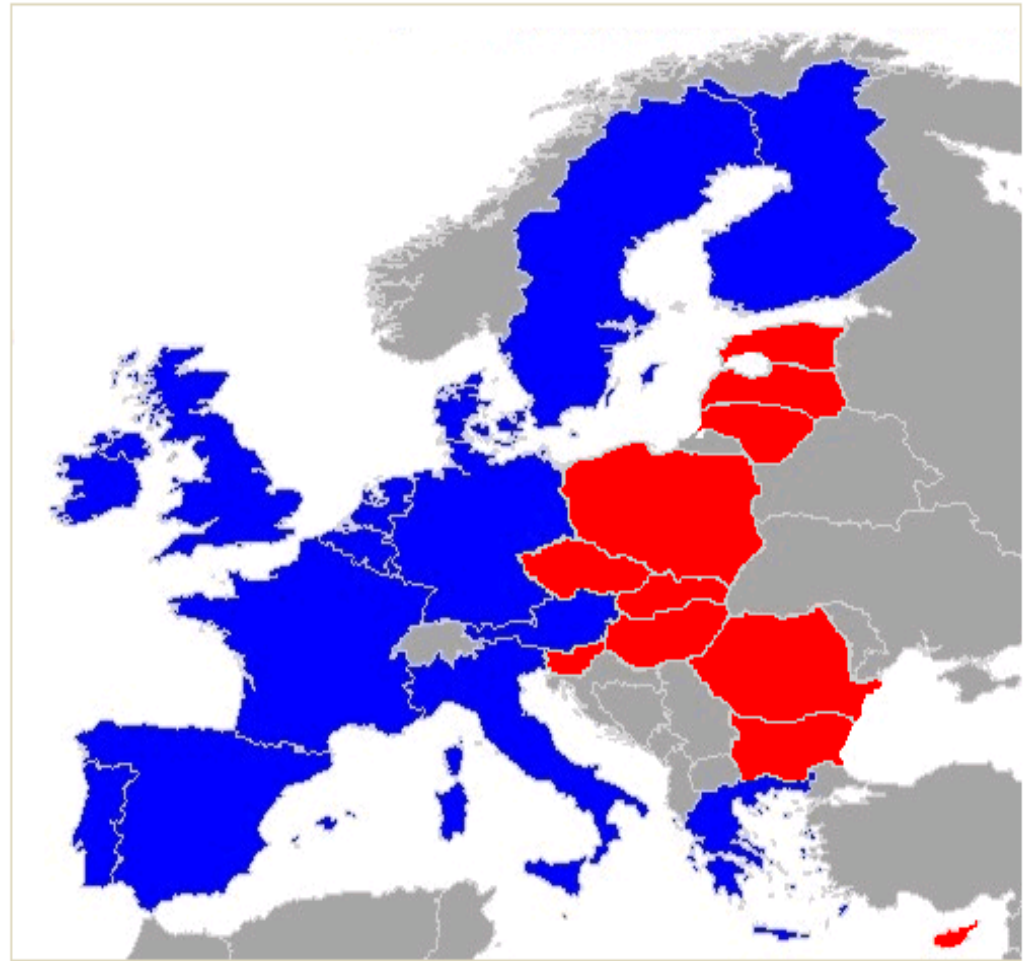
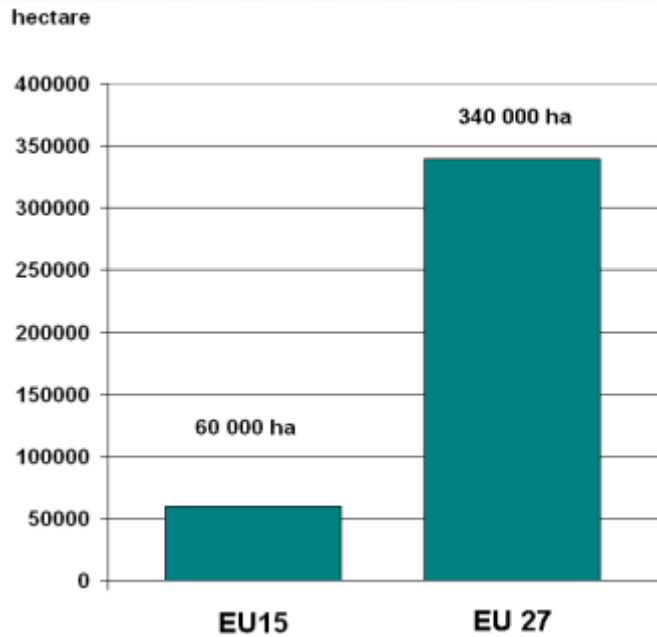
- 10 MS: only freshwater aquaculture
- 5 MS: freshwater aquaculture dominant
- More than 50% of EU member states



Production systems

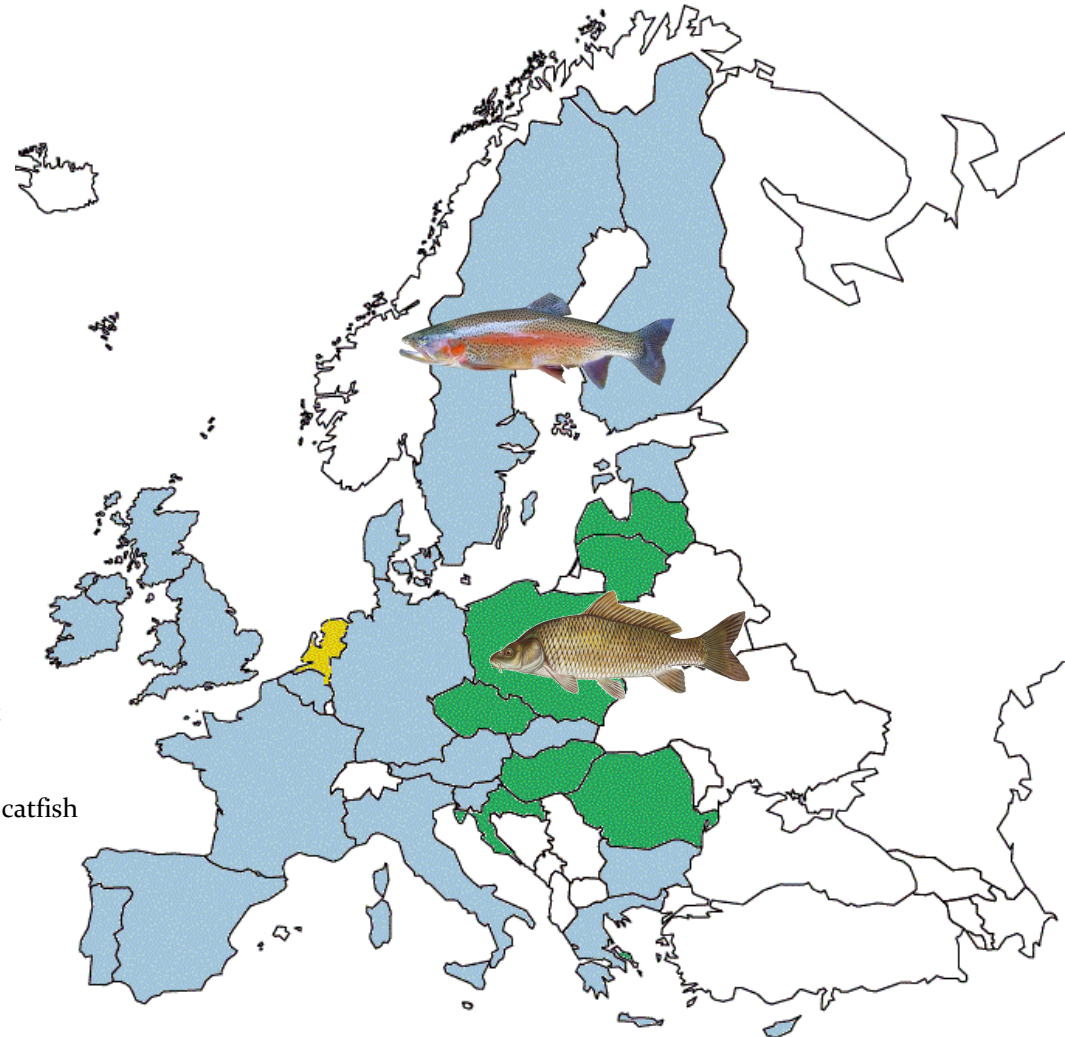
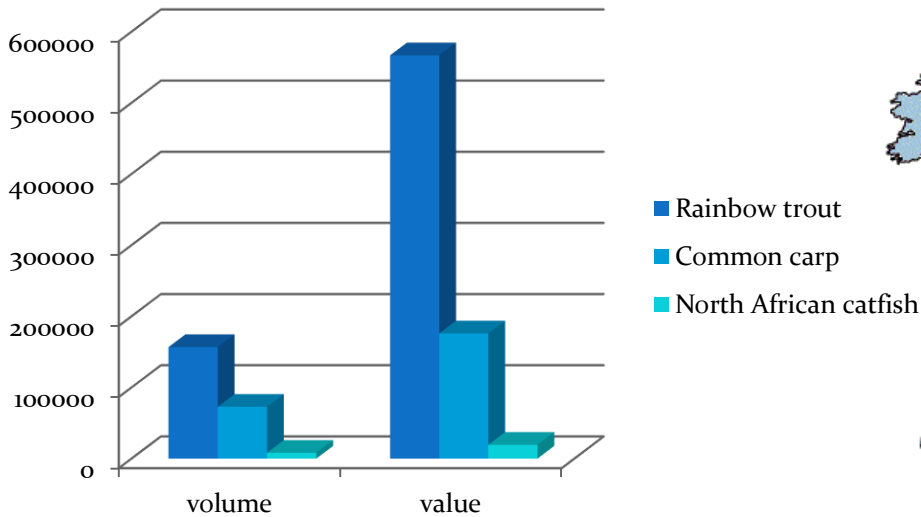


Pond aquaculture



Dominant freshwater species

- Rainbow trout: 18 MS
- Common carp: 7 MS
- African catfish: 1 MS



Intensive vs. extensive aquaculture



- Economic efficiency
- Small area
- Low labour intensity
- High productivity

- Historic traditions
- Environmental value
- Recreational value
- Role in employment
- Low-input aquaculture



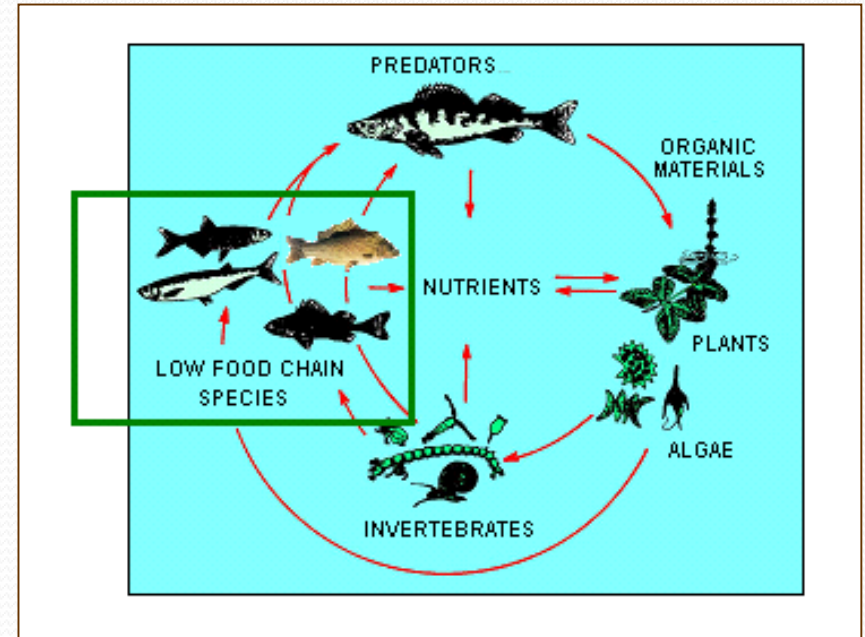
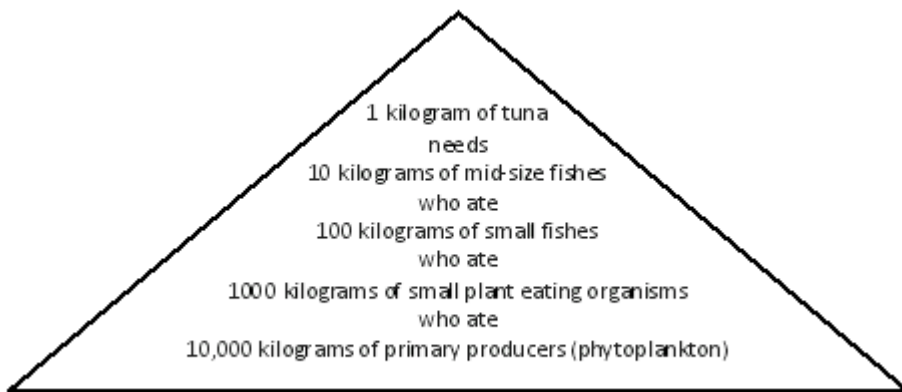
Turning weaknesses into strengths



- High labour intensity = role in rural employment
- Extensive production = creation of quasi-natural environment, preservation of habitats, water treatment



„Don't feed fish with fish”



- Reducing the need for fish meal and fish oil

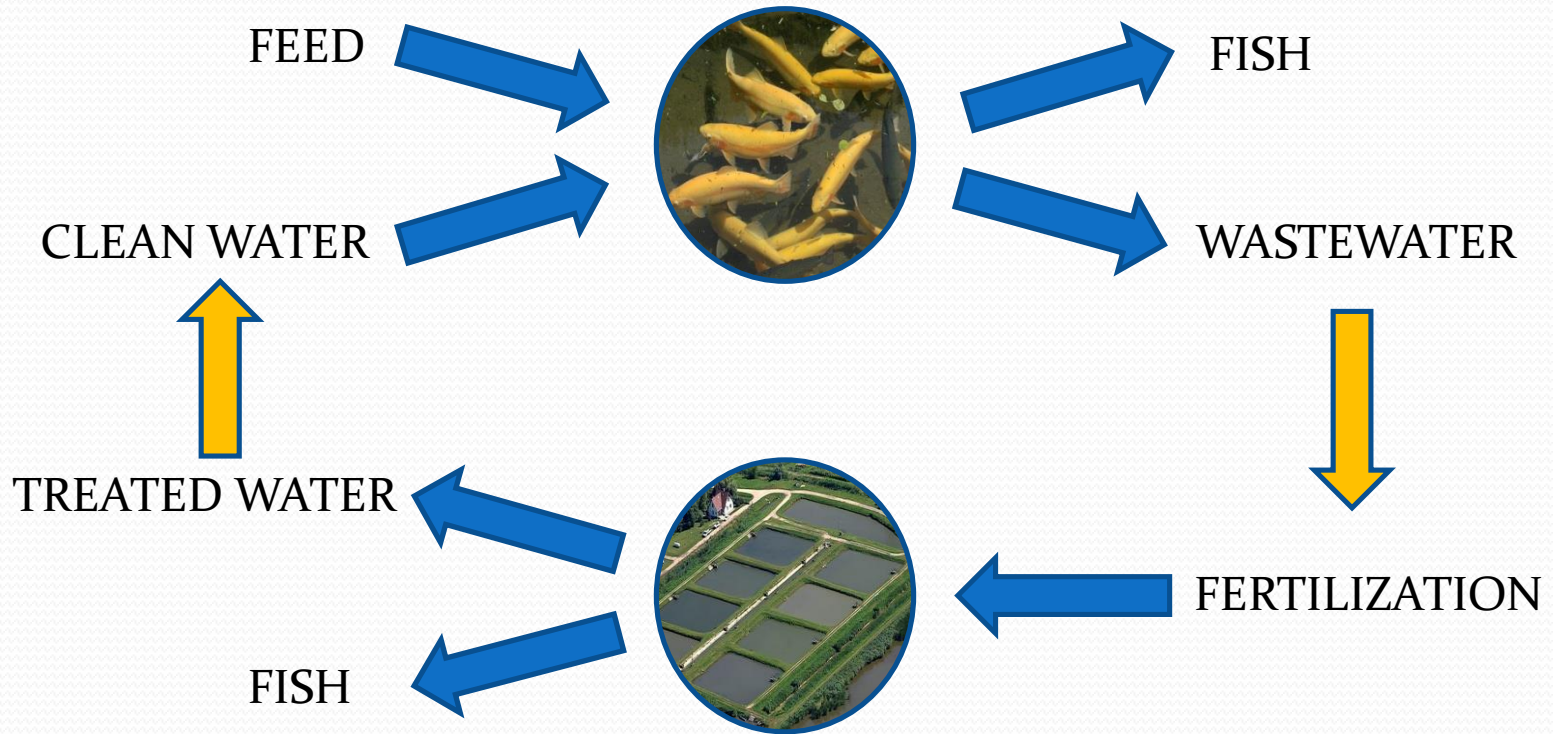
Way forward

- Intensive production of valuable species
- Increasing pond production sustainably
 - Rearing technologies for new species
 - Domestication and breeding programmes
 - Processing and marketing



Way forward

- Increasing pond production - sustainable intensification
- Moving toward circular economy – closing the loop



A look into the future



Thank you for your attention

