

Global Conference on Aquaculture 2010 Farming the waters for People and Food 22-25 September 2010, Phuket, Thailand

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Citations

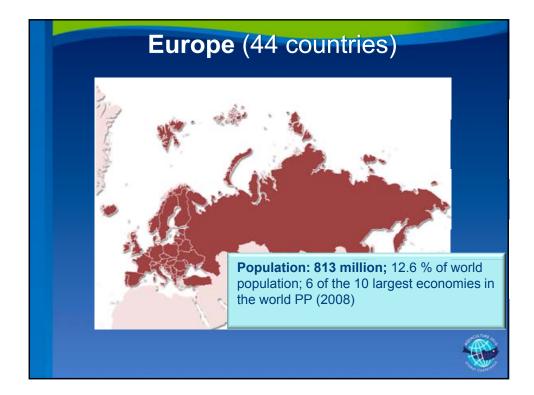
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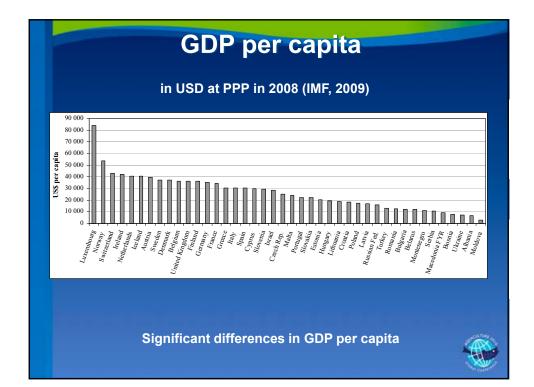




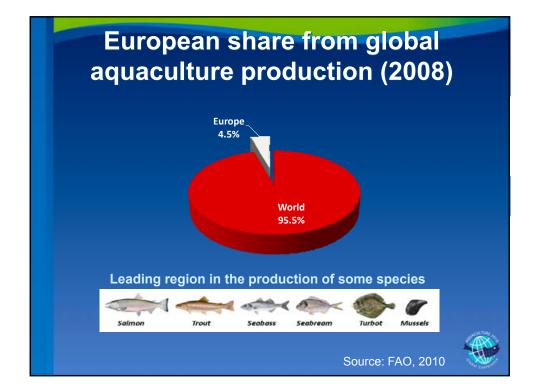


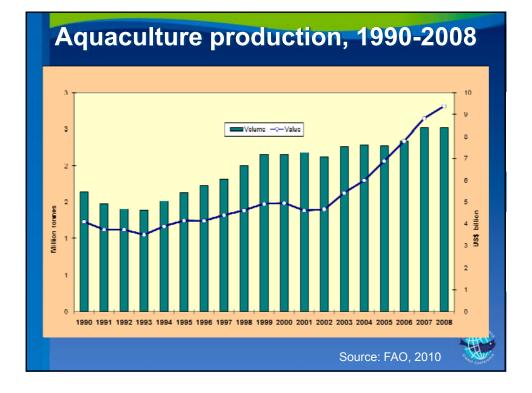


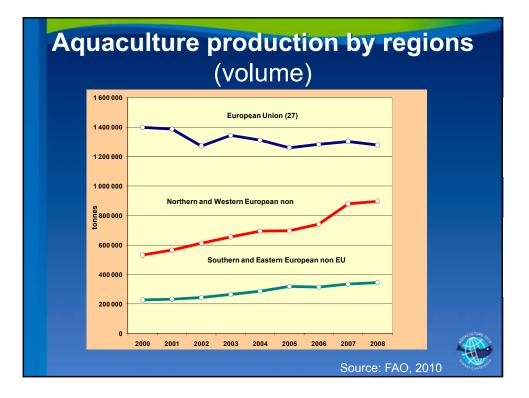


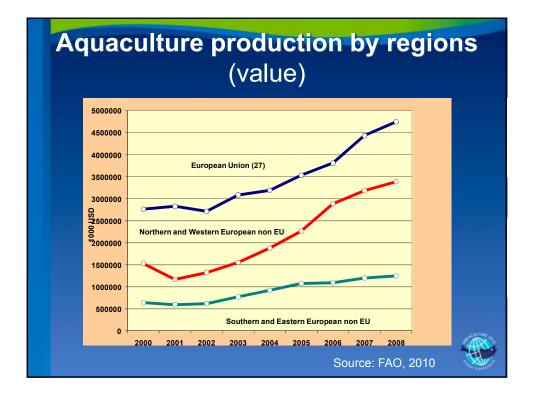


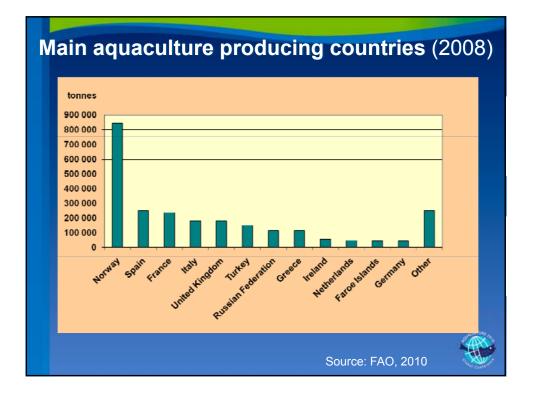


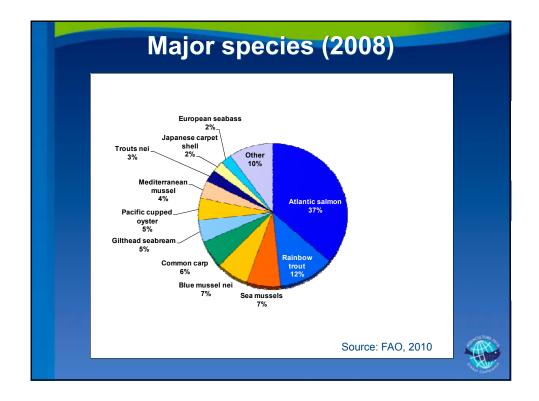


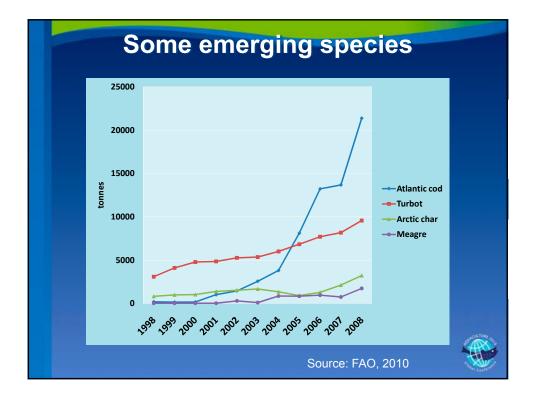


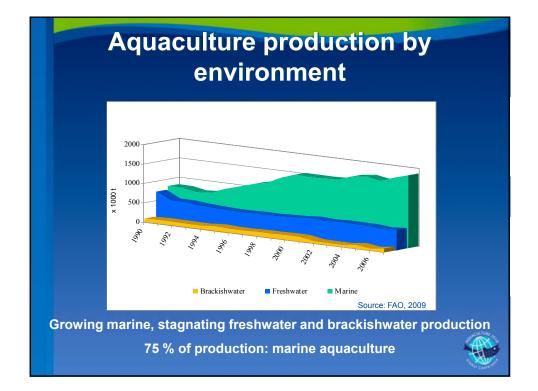


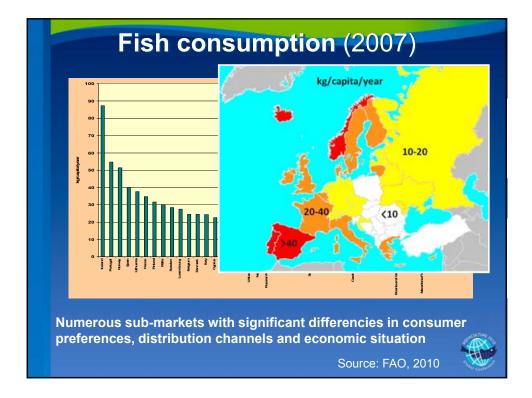




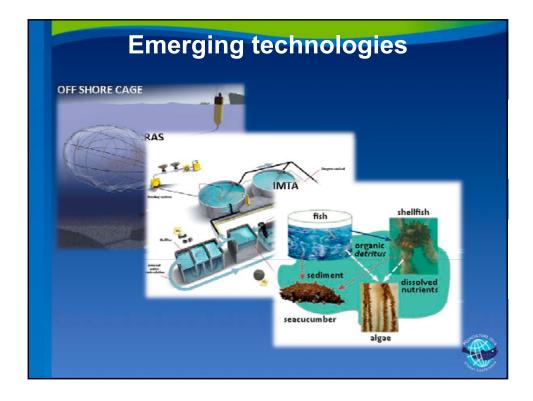


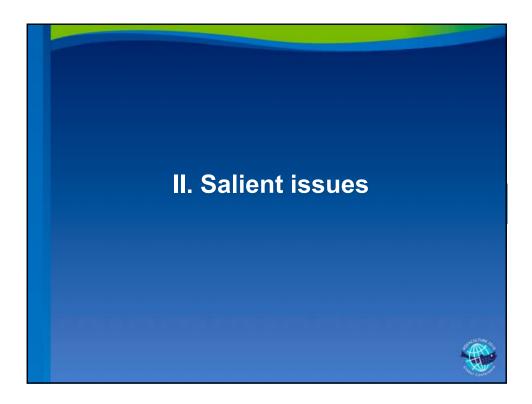






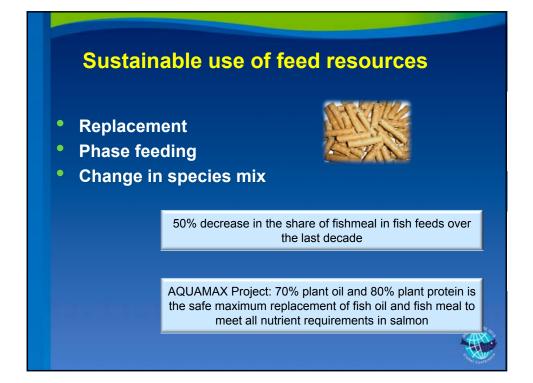






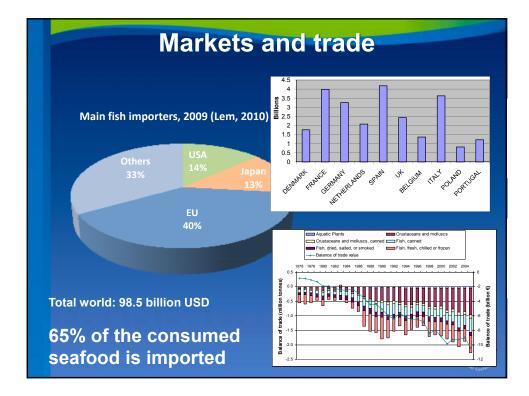


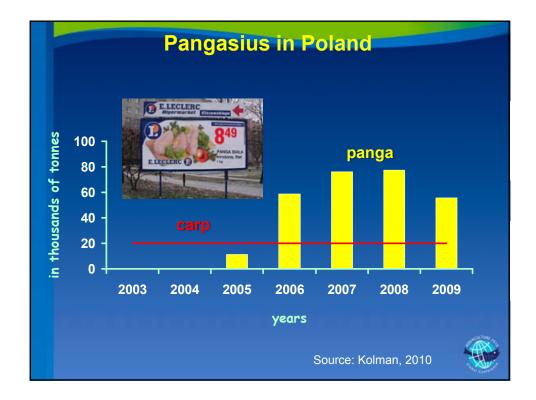




Aquaculture and the environment

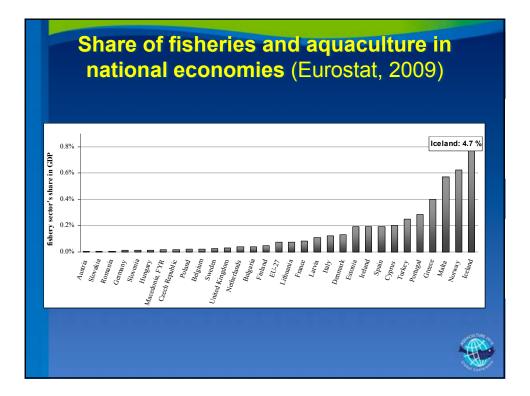
- EU regulations
- Water resources (quality)
- Climate change
- Environmental impact of aquaculture (use of therapeutics and drugs, nutrient discharge, escapees)
- Environment Impact Assessment (EIA)
- Exotic species
- Conflict with other users
- Public perception





Contribution to food secrurity, social and economic development

- Food security an issue in some CEE countries
- · Social sustainability issues in coastal and rural areas
 - concentration, automation and increasing labour productivity
- Gender and generation challenge
 - mostly men, share of women is high in the Russian Federation
- Share of aquaculture in national economies is low, <u>aquaculture reaches 0.1% of GDP only in Norway,</u> <u>Malta, Greece and Faroe Islands</u>



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External pressure on the sector (II)

- **Government policy** (regulatory framework)
- **Trade** (changes to trade policy and tariffs)
- Financial factors
 - investments, exchange/interest rates
 - taxation, insurance
- Competitive factors (new species and products, new producers)
- Economic crises
 - changes in consumer preferences
 - purchasing power

Shared information, research, training, extension and networking

- Public and private institutions (fragmented)
- European Research Area (ERA) since 2000
- EU Framework Programs
- Research in other regions (Norway, Turkey, CEE)
- Research networks: EFARO and NACEE
- Education network: AQUA-TNET
- Interregional cooperation (within Europe and with other regions)
- The European Aquaculture Technology and Innovation Platform (EATIP)





Governance and management

- Aquaculture strategies (EU 2002; 2009)
- **Regulatory frameworks** (WFD and many others)
- Economic incentives (EFF in the EU)
- Stakeholder interaction (e.g. ACFA, CONSENSUS
- Sector self-governance (FEAP CoC, 2000)
- Data collection and management



The way forward 1/3

- <u>The responsible use of resources and the</u> <u>protection of the environment</u> will remain key challenges (licensing, EIA)
- <u>Legislative framework</u> should be simplified and consolidated. The sector needs a level playing field
- There is a need for <u>specific data collection</u> for aquaculture and fishery products to support policy.

The way forward 2/3

- The consequences of <u>global climate change</u> and potential scenarios have to be assessed by all stakeholders
- The success of modern, professional aquaculture sector is dependent on the availability of <u>high quality</u> <u>services</u>
- New aquaculture technologies provide opportunities for development

The way forward 3/3

- Eliminating negative public perception of consumers and policy makers
- <u>Development of an "ecolabel"</u> that can certify environmentally friendly aquaculture practices in Europe
- Better communication within the value chain and towards consumers

MAIN MESSAGES

The challenge for European aquaculture is to achieve innovative and ECONOMIC GROWTH.

European aquaculture needs strong POLITICAL WILL and a LEVEL PLAYING FIELD to be competitive.

European aquaculture must be perceived as an environmentally, economically and socially sustainable activity, based on scientific evidences and consumer confidence.

