CFP: Which Future for Aquaculture

Salzburg, May 11. 2012.

The short history of pond fish farming

- Roman times: carp was grown in specially built pond in South-Central Europe
- Domestication spread by monks between the 13th and 16th centuries
- Purpose built ponds were created to grow food fish

The short history of pond fish farming

Related activities

- Irrigation
- Terrestrial animal keeping
- Water mills
- Hunting
- Reed harvesting

The short history of pond fish farming

Industrialization of the 20th century

- Maximalization of fish production
- Introduction of intensive farming
- Formulated feeds, medicines, chemicals

Present status of carp farming

- Carp as food fish
- Present volume of production (~70000t)
- Environmentally conscious production
- Fishmeal free poduction
- New goals and development opportunities

Introduction of Aranyponty Fish Farming Inc.

- One of the largest private fish farms in Hungary
- 1400 ha of working fish pond area
- Central farm in Rétimajor
- Yearly fish production is 1500 t
- Multifunctional fish farming technology

Rétimajor
Fish farming

- Full scale fish farming
  - Hatching
  - Larvae and fingerling production
  - Market size fish production

Rétimajor
Environmental services

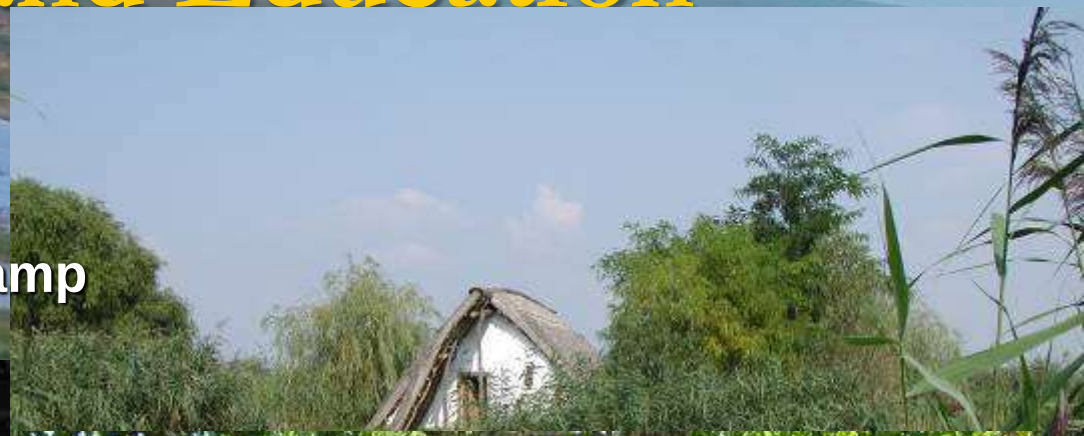
- Environmental Protection
  - Ramsar site
  - Natrua 2000 area
  - Protection by Duna-Ipoly National Park
- Role of fishponds
  - Water quality
  - Biodiversity
  - Non-economic value (appr. 52,000 EUR/ha/yr)

Rétimajor
Eco-tourism

- Eco-touristic center (conference room, accommodation, gift shop)
- Traditional fish restaurant
- Social events
- Wellness center
- Bird watching station
- Native domestic animals

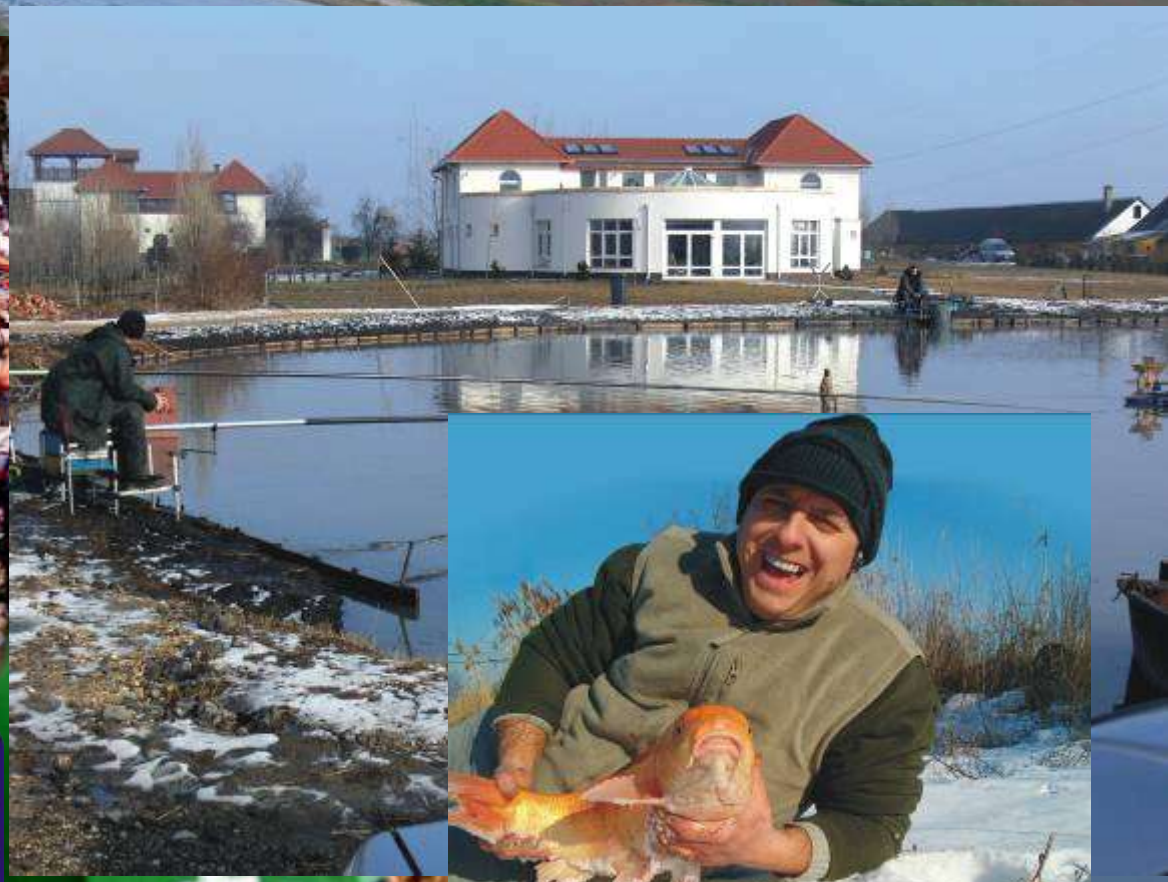
Rétimajor
Culture and Education

- Fishing Museum
- Fishing hut
- Wetland School
- Children’s Summer camp



Rétimajor
Angling Tourism

- Family oriented angling center
- Warm water angling



Rétimajor

Local production: Fruits, Vegetables, Meat

- Chemical free fruits and vegetables for local consumption
- Cattle and waterbuffalo rearing
- Social aspects – market for local producers

Rétimajor
10 years of R&D at Aranyponty

- Organic fish production
- Organic rice and fish production combined
- Pilot Project: Innovative production of Pike (Esox Lucius)
- Sustain Aqua – EU FP7

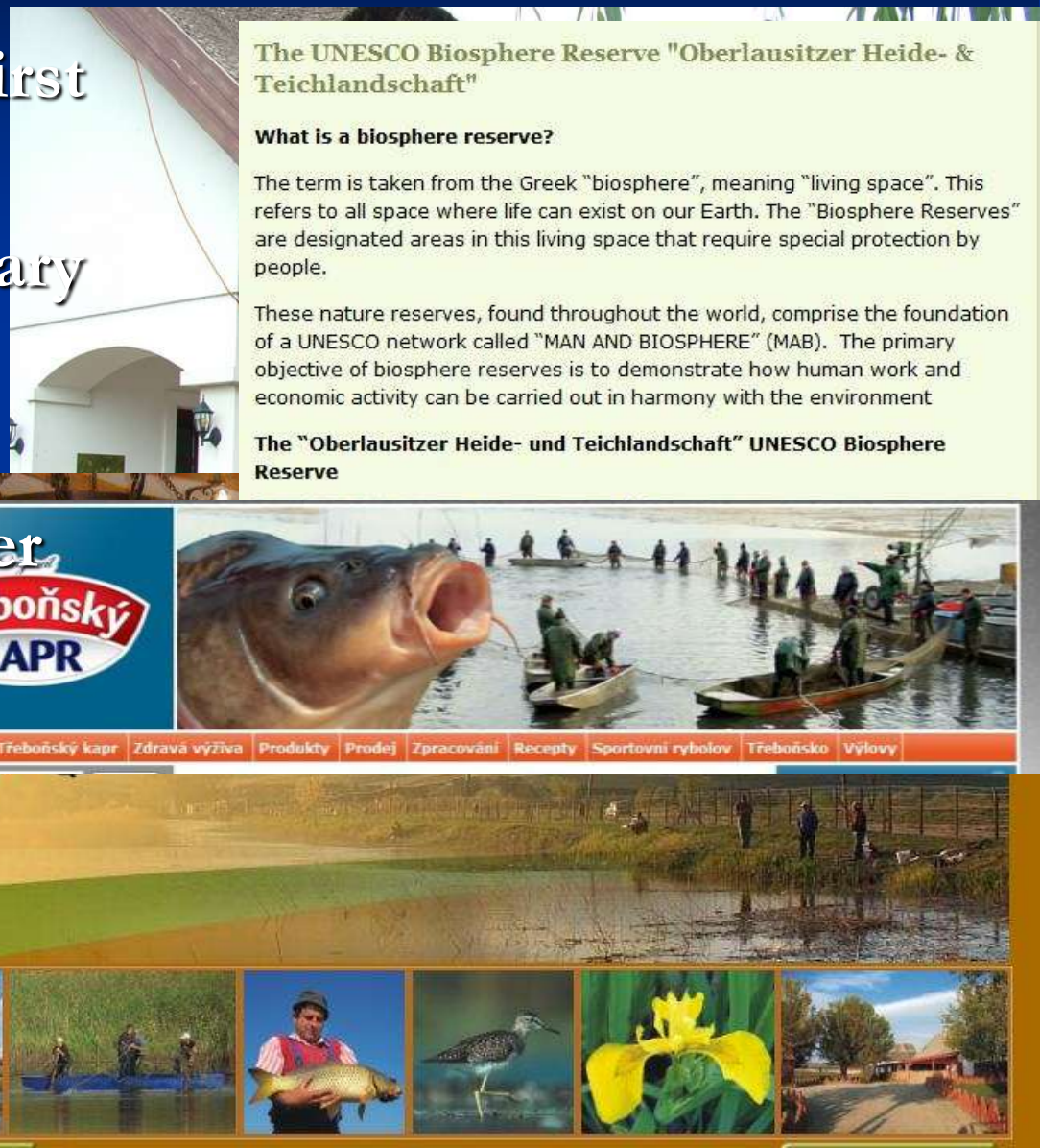
Rétimajor

EFF Projects

- Fishpond reconstruction
- Infrastructure modernization
- Fish transport lorry
- Special excavator for fishpond reconstructure

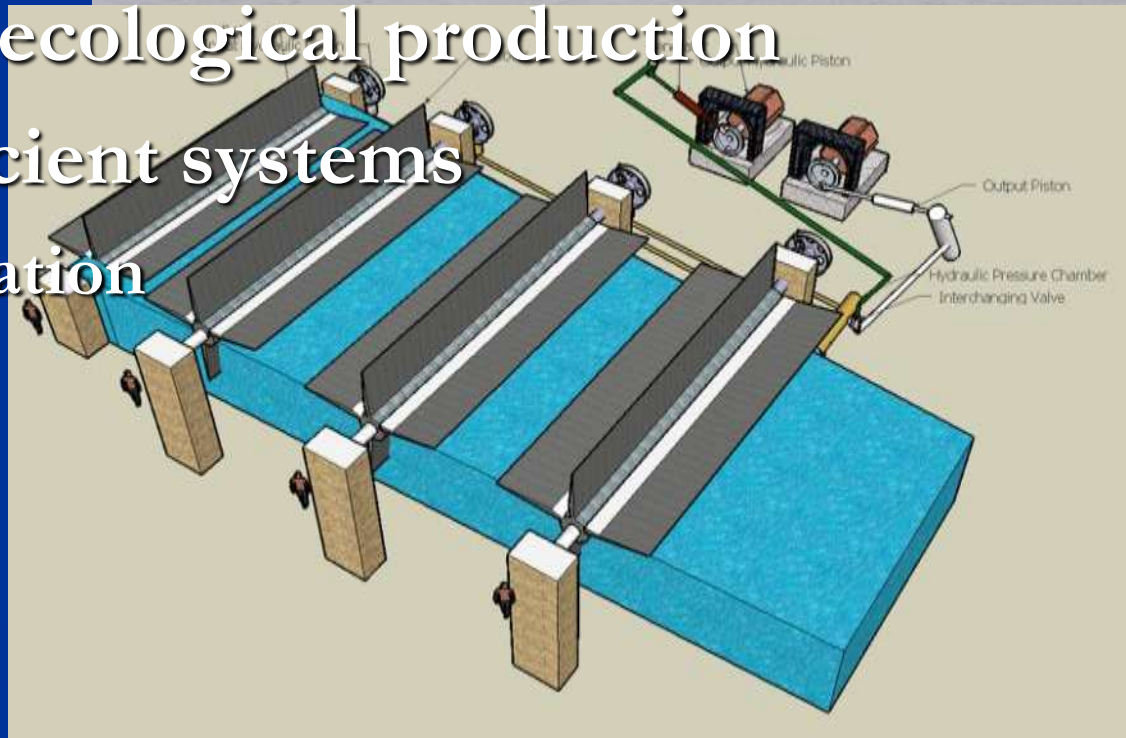
We have followers…

- Aranyponty was the first MF-fishfarm
- Other farms in Hungary
  - Akasztó
  - Jászkisér
- MF-Fishfarms in other countries:
  - Poland
  - Romania
  - Czech Republic
  - Germany
  - Ukraine



Future Plans

- Innovative catfish production
  - Pond in pond systems
  - Innovative feed technology
- Improvement of ecological production
- Energy self sufficient systems
  - Hydroelectric station
  - Solar panels



Challenges

- Overbearing costs of animal protection (eg. cormorant, otter)
- Extreme weather conditions
- Limited funding for development

TO BE CONTINUED ////

Thank you for your attention!

www.aranyponty.com

www.retimajor.hu

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Aranyponty