

**5th Vietnamese–Hungarian International Conference on Animal Production and Aquaculture for
Sustainable Farming
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Organic aquaculture in Hungary and Vietnam: Constraints and opportunities

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Organic aquaculture production in Europe

GENERAL

Organic farming is a dynamic agricultural sector in the EU

Organic farming on 3% of the EU utilised agricultural area

30% growth per year since 1998

Importance and growth is varying by regions/countries

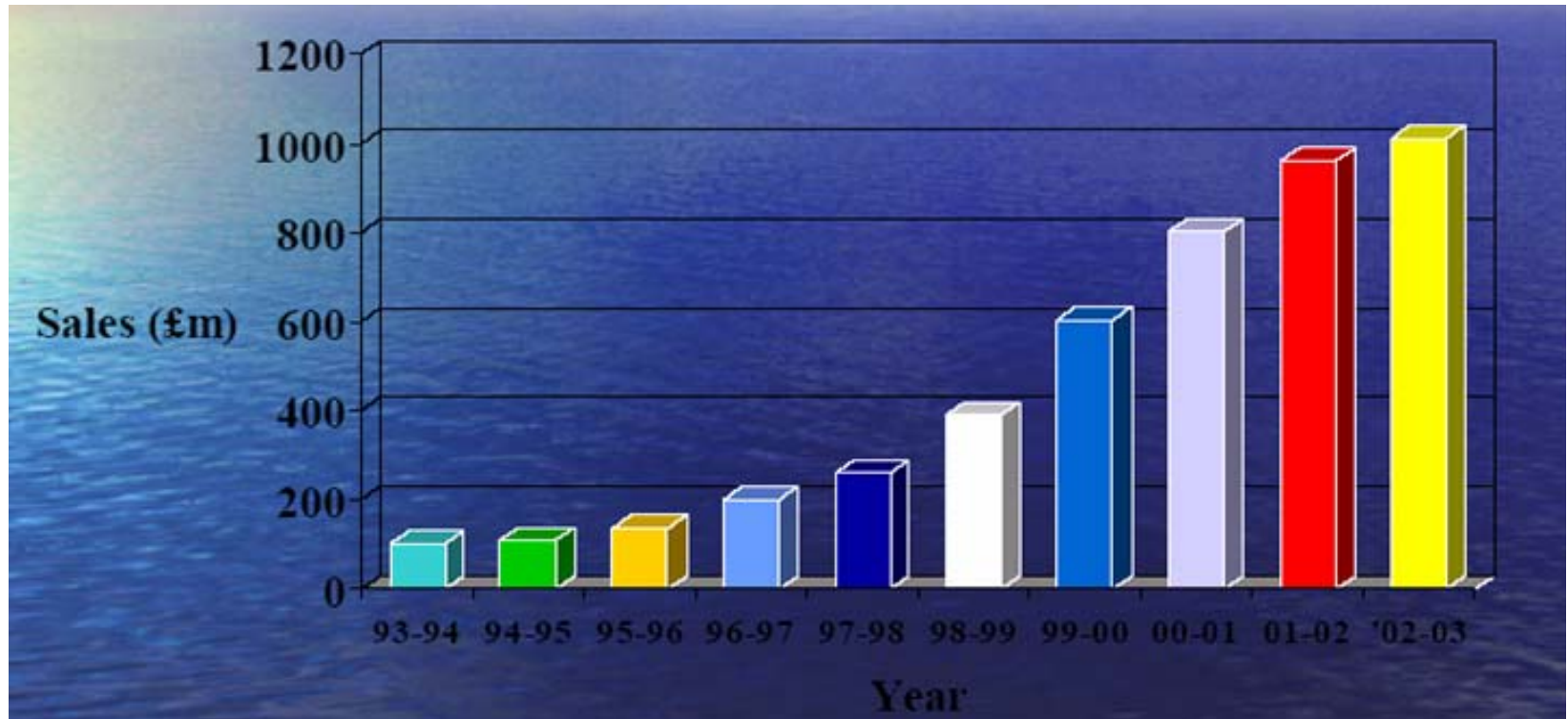
AQUACULTURE

Total production is around 14,000 tonnes in 2004

European production is 56% of world organic aquaculture production

78% of organic aquaculture production is Atlantic salmon

UK organic market growth



Source: Dallimore, 2005

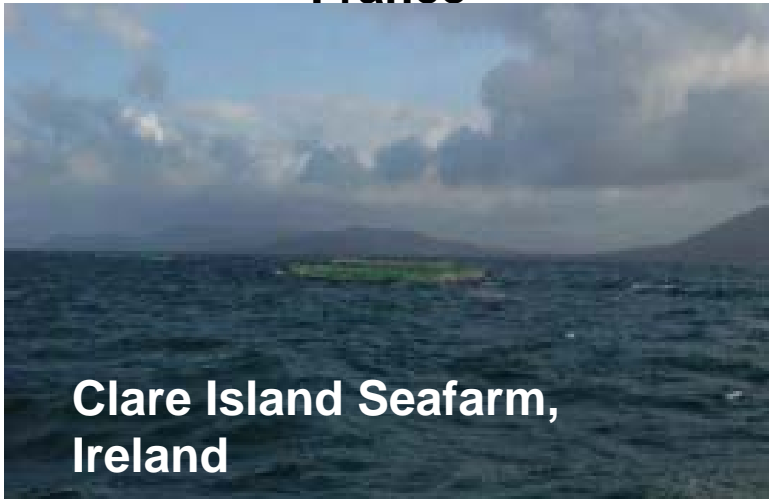
Some examples



**Provence Aquaculture,
France**



Hortobágy Fish Farm, Hungary

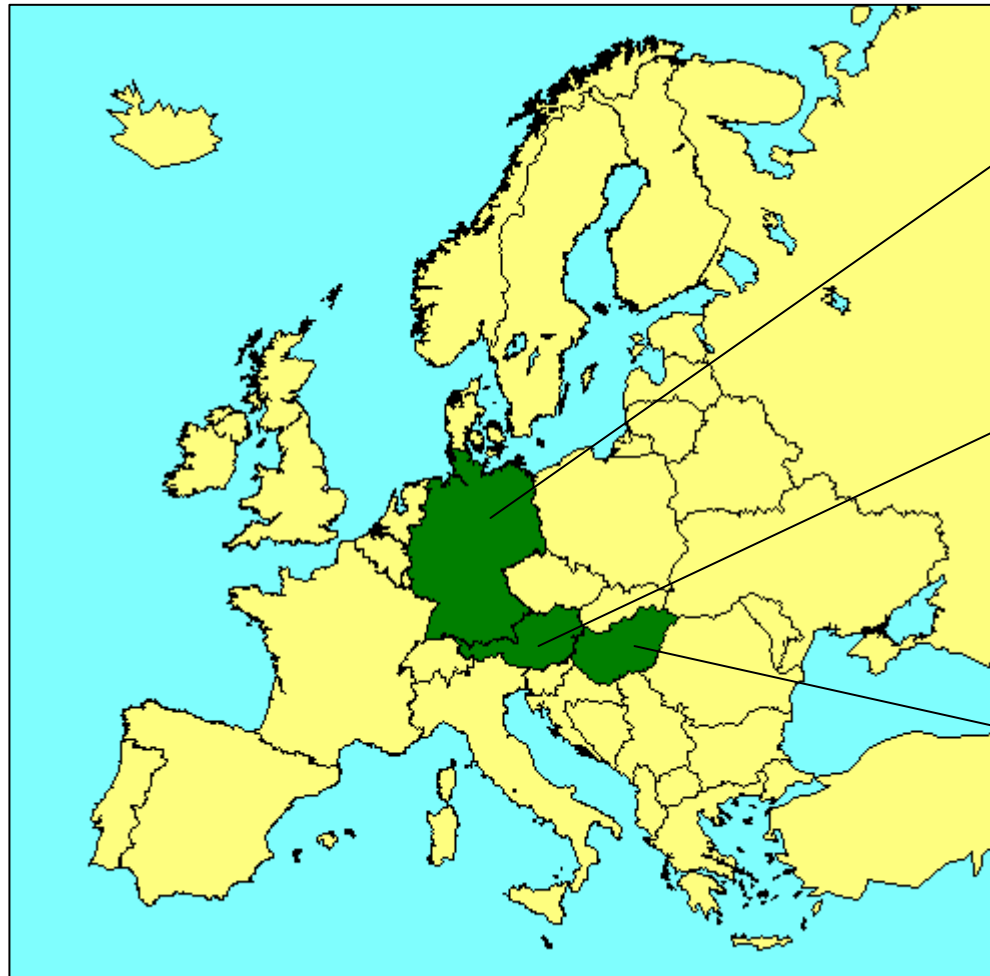


**Clare Island Seafarm,
Ireland**



**Graig Farm, United
Kingdom**

Organic carp production in Europe



GERMANY

< 200 t



BIOKREIS
BIOLAND
BIOPARK
DEMETER

AUSTRIA

~ 150 t



HUNGARY

~ 700 t



(Source: IFOAM, FAO, EU)

Organic fish production in ponds in Austria and Hungary, 2005

Country	Production	Organic fish pond area	% of the total fishpond area	
Austria		550 ha	20%	150 t
Hungary		4700 ha	20%	~ 700

t



Organic carp products in Hungary



Jellemzők: vákuumsomagolt, zsírszegény, kiváló írá, egészséges - szénhidrátmentes FINOM termék
Ellendezett Ökológiai gazdálkodásból
Ellenőrzte: Biocontrol Hungaria Kft HU-ÖR01

Summary of experiences

- Carps are ideal candidate species for organic fish farming
- It is relatively easy to convert existing carp farms into organic carp farms
- There is a need to develop and harmonise standards
- Organic fish farming could be expanded in regions, where organic agriculture is developed
- Processing, market organisation and market communication are key issues

Confusions

- why some species like mussels and carps should be certified, because they are organic anyway (more organic than certified organic)?
- is it worth to pay more for organic, why?
- which certifying body we can trust in?
- if the product is not organic, does it mean that it has a lower quality?

New EU regulation



New proposal of the European Commission
„Improve clarity for consumers and farmers”

Consultations

**Thematic Conference on Organic Aquaculture in the European
Union: Current Status and Prospects for the Future”
12-13 December 2005, Brussels**

http://europa.eu.int/comm/fisheries/news_corner/autres/conf121205/index_en.htm

New EU regulation



28 June 2007

Council regulation (EC) No. 834/2007 on organic production and labelling of organic products

Aquaculture is included!

[http://eur-](http://eur-lex.europa.eu/LexUriServ/site/en/oj/2007/l_189/l_18920070720en00010023.pdf)

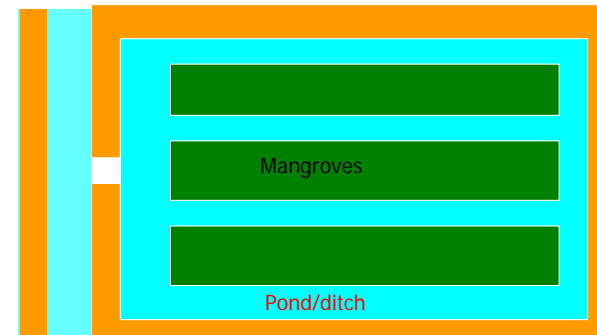
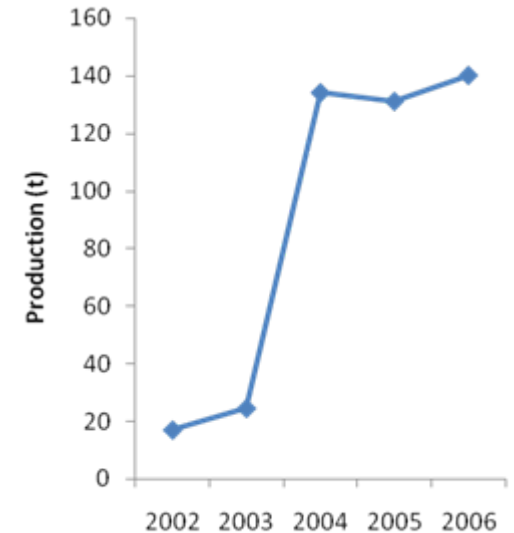
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EU results and experiences can contribute to the development of organic fish production in Vietnam

Organic farming of shrimp

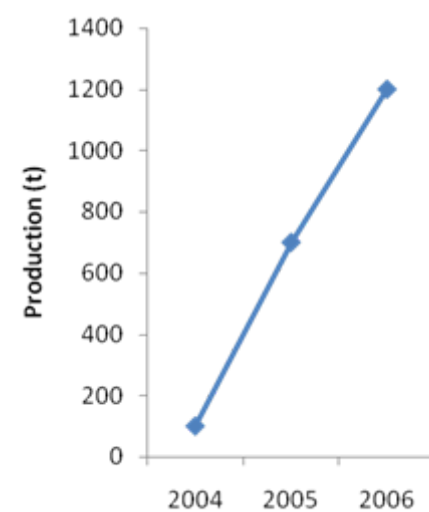
- Conducted in Ca Mau province since 2000 (collaborated among former Ministry of Fisheries, SIPPO (Switzerland), Naturland and 184 enterprise).
- Based on integrated mangrove and shrimp farming system.
- Principle:
 - Low stocking density (<3 PL/m²)
 - No feeding, only fertilization
 - Mangrove forest area >50% total
 - No use of antibiotics and chemicals
 - Farmers must participate in environmental conservation (no mangrove destruction)
- Premium: 20%
- Certified by Naturland (yearly).
- Difficulties: certification process, separated processing, ...





Organic farming of Catfish

- Pilot project in An Giang province since 2004 (3 farms) (collaborating between Binca Seafood – Germany and AFASCO An Giang) → expanding gradually
- Applying Naturland guidelines.
- Based on fence and pond culture systems
- Principles:
 - Low stocking density: 10 fingerling/m²
 - Feeding of organic feed (rice bran, soybean, fish meal,... pellets are imported from Israel!
 - Fingerlings are checked for antibiotic residues
 - No use of antibiotics and chemicals
 - Monitoring water quality monthly
- Demand will increase but small premium (30%) may not encourage more entrants!.



Thank you for your attention



Just naturally!