

2nd Announcement & Call for Papers

New Challenges in Pond Aquaculture

April 26–28, 2005

České Budějovice, Czech Republic

Organised by:

University of South Bohemia České Budějovice
Research Institute of Fish Culture and Hydrobiology Vodňany

As a part of the EU project:

„Creating Supporting Network for International Transfer of Innovative
Technologies in European Aquaculture (CSN-INTRAN)“

In co-operation with:

European Aquaculture Society (EAS)

Convener:

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Scope and Objectives

Over the years, the international conferences and workshops convened by the RIFCH Vodňany on various aspects of fish culture with particular attention to pond farming technologies, have become an established tradition in South Bohemia – the region of a thousand ancient ponds. The forthcoming event will be based at the University of South Bohemia at České Budějovice (Budweis) – a historical city known not only for its famous beer production, but also as a city of science with many academic institutions.

The workshop will address the wide-ranging concept of pond aquaculture, although particular importance will be given to less intensive and environmentally friendly approaches. Semi-intensive and extensive fish farming technologies in earthen ponds, usually exceeding several hectares in area, are the major types of fish production in the Czech Republic and in selected regions of Central and Eastern Europe. Recently, the pond aquaculture sector has been facing increasing demands for implementation of non-production pond utilisation, notably landscape formation and protection, recreation, water protection and pond management issues.

The workshop sessions have been selected with respect to fish production under conditions of sustainable development of the pond environment. These issues cover a wide range of approaches associated with pond production, such as integrated farming systems, organic farming, biological backgrounds of fishpond production, nature-friendly control mechanisms of pond environment, the role of protected plant and animal species, multifunctional use of ponds etc.

An open debate on recent advances in different technologies and their impact upon pond-fish quality will be a useful tool for the pond aquaculture sector to increase knowledge, exchange ideas and draw conclusions and recommendations on the challenges required for the present and future of pond aquaculture.

The presentations are expected to be submitted as special volumes of selected peer reviewed and scientific periodicals, according to the instructions of chairpersons.

Workshop format

The **workshop programme**, running over three days, will consist of plenary and poster sessions on selected topics (see the preliminary program for details):

- 1) Biological Background of Pond Aquaculture
- 2) Pond Management Strategies
- 3) Interactions with Protected Plant and Animal Species
- 4) Multipurpose Pond Usage
- 5) Pond Aquaculture Economics, Markets and Product Development

Technical note: dataprojector and over-head will be available for the lecturers.

Poster presentations will supplement each of the sessions and the posters will be presented in the conference area. A special afternoon session will be dedicated to these presentations.

Technical note: Posters should not exceed 1m of width and approx. 1,5 m of height.

A special **trip to RIFCH Vodňany** experimental facilities will be organised on the last workshop day and will be followed by attendance at the opening ceremony of the international exhibition of fish farming equipment, "FISHTECH 2005".

A guided **visit to Budweis Brewery**, the site of Budweiser Budvar Beer production, will be organised on behalf of the workshop (with possible special dinner reservation in Budweiser Pub).

Language

The official language of the workshop will be English.

Conference venue

History of the town České Budějovice

The confluence of the big South Bohemian Vltava and Malše rivers was chosen by the Czech king Přemysl Otakar II in 1265 with a view to establishing the town of České Budějovice. The regular ground plan of the newly established royal town, whose centre is formed by an extensive quadrangle square, is among the top works of medieval urbanism.

The 16th century brought an unprecedented growth of the town and considerable profits flowing to the municipality particularly from silver mining in the surrounding mines as well as from beer brewing, pond economy and trade with salt. The accumulated means were used by the community, among others, for an ostentatious presentation: a new town hall was built, the walls were rebuilt and the town council decided to erect a high tower, which is currently called "Black Tower". České Budějovice thus took on a charming Renaissance face. In 1569 a mint was established here processing silver mined in the fields around the present Rudolfovo.

Maria Theresa's reforms in the second half of the 18th century made České Budějovice the seat of a newly created region. Also the Piarist Order, settling here in 1762 and establishing a Latin grammar school, contributed, to a great extent, to the cultural importance of the town. The town theatre was established in the same period as well. In 1785, under the Emperor Joseph II, the bishopric of České Budějovice was founded and not even two decades later the seminary and the philosophical institute started their activities.

The 19th century entered the town life especially with revolutionary technical progress and development of modern civil society. Built between 1825 and 1832 as the first one on the European continent, the horse-drawn railway connected České Budějovice with Austrian Linz and along with the Vltava trade run by Vojtěch Lanna accelerated transport in the north-south direction. This fact stimulated development of trade and industry. In 1847 the Viennese firm Hardtmuth brought its enterprise manufacturing pencils and ceramic goods to České Budějovice and the town was thus given its first large factory. So far the small Citizen's Brewery was relocated to Linz suburbs in the vicinity of the railway where it had a perspective of further development. In 1895 its opposite pole, the Czech Joint-stock Brewery, the present Budweiser Budvar (www.budvar.cz/#), was created making the town famous in many countries worldwide.

České Budějovice now

There are **many beautiful places worth of visit** in the region of South Bohemia – many inspiring photos and brief guide both to the historical monuments as well as natural beauties can be found on www.jiznicechy.org/cz/.

We especially recommend visit of the **Hluboká nad Vltavou castle** (www.zamky-hrady.cz/1/hluboka.htm) and the **historical town of Český Krumlov** (www.ckrumlov.cz/uk/).

Cultural life: theatres (www.jihoceskedivadlo.cz/en/?l=en), cinema, galleries (Egon Schiele Art Gallery in Český Krumlov - www.ckrumlov.cz/uk/mesto/soucasi_schiel.htm), museums, music halls...

Sports: winter stadium, summer and winter swimming pools, the sports hall and other sport centres

University: University of South Bohemia with the Faculties of Education, Agriculture, Biology, Theology, and Health and Social Studies and three institutes – Historical Institute, Institute of Physical Biology and Research Institute of Fish Culture and Hydrobiology. (www.jcu.cz)

Scientific life: Academy of Sciences of the Czech Republic – Institute of Parasitology (www.paru.cas.cz), Institute of Entomology (www.entu.cas.cz), Institute of Plant Molecular Biology (www.umbr.cas.cz/en/), Institute of Hydrobiology (www.hbu.cas.cz), Institute of Soil Biology (www.upb.cas.cz), Institute of Landscape Ecology (www.uek.cas.cz).

Transport

Transport connections can be found on www.idos.cz/ConnForm.asp?tt=c&cl=E5 which contents time-tables of trains and buses in the Czech Republic and Europe.

Map of the CR can be found on mapy.atlas.cz/mapviewer/mapviewer.aspx, allowing best-route search as well.

Detailed city plan can be found on the following web-site, for brief orientation look at the map below.

http://www.mapy.cz/handler.py?action=zoom&newZoom=3&mapWidth=552&mapHeight=420&zoom=170&lon=52104624&lat=176310976&highlight=pnt=461472_-5424840_select

Time-tables of **public transport** (buses and trolley-buses) within České Budějovice can be found on www.idos.cz/ConnForm.asp?tt=h&cl=E5. For the transport, use tickets of 10 CZK (valid for 20 min) or 8 CZK (10 min).

More information and on-line registration can be found on the Internet:

<http://www.vurh.jcu.cz/pond-aqua>

Preliminary program

(Interested contributors are still invited to submit their oral and/or poster presentations)

Session I – Biological Backgrounds of Pond Aquaculture

Chaired by Ana MILSTEIN, Dor, Izrael

Oral presentations

Pechar L.: Hypertrophic fishponds and their ecological functioning.

Ciešla M.: Changes in natural food resources in ordinary and “untypical” nursery ponds - i.e. where is the plankton?

Milstein A.: Periphyton-based aquaculture ponds.

Potužák J., Pechar L.: Impacts of trophic level and fish stock on fishpond zooplankton.

Musil J., Adámek Z., Baranyi Ch.: Seasonal dynamics in fish assemblages and diet pattern of the piscivore community in a pond channel.

Svobodová Z., Máchová J., **Kroupová H.**, Smutná M.: Ammonia autointoxication of common carp: three case studies.

Rechinskiy V.V., Vinogradov V.K., Melchenkov E.A., Radzikhovskaya E.K., Olisov V.N.: Changes of composition of pond polyculture in south of Russia.

Tretyak O., Bekh V.: Current status and outlooks of development pond aquaculture in Ukraine.

Shukla S.P., **Elster J.:** Polar algae in aqua-culture: An assessment.

Poster presentations

Hadjinikolova L., Dicheva T.: Basic lines of analysis of water ecosystem parameters behaviour in carp ponds.

Hadjinikolova L., **Grozev V.G.**, Terziyski D., Dicheva T.: Elaboration of a concept for modeling the interrelations between water ecosystem parameters in carp ponds.

Terziyski D., **Grozev V.G.**, Kalchev R., Stoeva A.: Plankton primary production and its relationship to other ecological factors in control and treatment organic fishery carp ponds.

Golod V.: Current status of Ropsha carp in Ropsha Fish Farm.

Olifirenko V.: Fish Parasite Fauna of the Dnepr River and the Dnepr-Bug Firth.

Zingel P., Paaver T.: The feeding in larval and juvenile whitefish *Coregonus lavaretus* and their impact to the trophic cascade.

Session II – Interactions with Protected Plants and Animal

Chaired by Libor PECHAR, Třeboň, Czech Republic

Oral presentations

Husák Š., Květ J.: Nature-friendly fishpond management in the Czech Republic.

Příkryl I.: Restoration of pond ecosystems and adequate management of pond reserves in the Czech Republic.

Pokorný J., **Květ J.**, Dykyjová D.: Aquatic and marsh plants in hypereutrophic fishponds.

Ritterbusch D.: Growth patterns of reed (*Phragmites australis*) – on the development of reed stands in carp ponds.

Adámek Z., Kortan J., Flašhans M.: Computer-assisted image analysis in evaluation of fish injuries caused by cormorant (*Phalacrocorax carbo sinensis*) attacks.

Kostkan V., Vorel A.: Relation of the “European Beaver Management Plan for the Czech Republic” to aquaculture.

Poster presentations

Culková M., Kostkan V.: River otter in the eyes of Czech fishermen.

Svobodová K., **Květ J.**: Habitats and performance of *Calla palustris* L. in the Třeboň Basin Biosphere Reserve, Czech Republic.

Sychra J.: Influence of ecological factors on breeding success of grebes (Podicipediformes) at fishponds.

Session III – Multipurpose Pond Usage

Chaired by Laszlo VARADI, Szarvas, Hungary

Oral presentations

Békefi E., Váradi L.: Multifunctional pond fish farms in Hungary.

Guziur J., **Turkowski K.**: Multi-purpose use of small water bodies in north-east Poland – new kind of fish farming?

Kerepeczki E., Pekár F.: Fishponds and wetland - natural treatment tools for water quality improvement.

Gál D., Pekár F., and Váradi L.: Waste treatment and reuse of intensive fish production in pond recirculation systems.

Janjua M.Y.: Fish culture in rain fed ponds in Pakistan: An integrated approach.

Gottschalk, T., Pfeifer M., **Füllner G.**: Experiments for production of Hybrid Stripped Bass (*Morone saxatilis* x *M. chrysops*) in In-Pond Circulation Systems.

Breuil G., **René F.**: Biosecurity in juveniles production: a major concept in european aquaculture.

Poster presentations

Serpunin G.G.: Aquacagricomplex – complex use of reservoirs and adjoining landscapes.

Pilipenko Y.V., Sherman I.M.: Fish culture in small-size different-purpose water reservoirs in the arid zone of Ukraine.

Session IV – Pond Management Strategies

Chaired by Jan KOUŘIL, Vodňany, Czech Republic

Oral presentations

Okoniewski Z.J.: Pond Aquaculture in European Fisheries Fund 2007– 2013.

Grzegorz Z.: The influence of carp farm on river drainage area water quality.

Hadjinikolova L. Atanasova R.: Possibilities for reducing protein content in the carp (*Cyprinus carpio* L.) diets by using cottonseeds and their influence on some exterior and immune-biochemical parameters.

Hubenova T., Zaikov A., Vasileva P.: Investigation on absolute fecundity, follicles and larval size of pond-reared pike (*Esox lucius*) of different size.

Hubenova T., Zaikov A. , Vasileva P.: Growth and survival of paddlefish (*Polyodon spathula*) in the first year raised on natural and artificial diets.

Vasileva P., Zaikov A., Hubenova T.: Investigation on fecundity of cultured and natural crayfish populations of *Astacus leptodactylus* Eschscholtz, 1823.

Vasileva P., **Zaikov A.**, Hubenova T.: Investigation on reproductive potential of male narrow-clawed crayfish *Astacus leptodactylus* Esch.

Rudneva I., Shaida V.G., Omelchenko, S.O., Symchuk, G.V.: Strategy of ponds and salt lakes ecological monitoring.

Hulák M., Gela D., Kocour M., Flajšhans M., Rodina M., and Linhart O.: Sex control of common carp (*Cyprinus carpio* L.). (a review).

Kocour M., Gela D., Rodina M., and Linhart O.: Testing of performance in common carp (*Cyprinus carpio* L.) under pond husbandry conditions: Top-crossing with northern mirror carp.

Policar T., Kozák P., Hamáčková J., Lepičová A., Lepič P., Kouřil J., Stanny A.: Intensive rearing of barbel juvenile for stocking purpose.

Poster presentations

Sherman I.M., Pilipenko Y.V.: Personnel provision in the sphere of hydrobioresources and aquaculture in connection with European integration process.

Shevchenko V., Gorshkova N.: Some aspects of reproduction of Acipenseriformes in the south of Ukraine.

Hamáčková J., Kouřil J.: Carp (*Cyprinus carpio*) larvae tolerance to low temperatures under experimental conditions.

Konchits V.V., Dokuchaeva S.A.: European catfish as an object of Belarus pond fish-breeding in polyculture.

Session V – Raising Product Quality from Pond Aquaculture, Economy and Networking

Chaired by František VÁCHA, České Budějovice, Czech Republic and John BOSTOCK, Stirling, UK

Oral presentations

Steffens W., Wirth M.: Influence of nutrition on the fatty acid composition of pond fish: carp and tench.

Skibniewska K.A., Guziur J., Wiśniewski K., Grzybowski M., Zmysłowska I., Szarek J.: Can fish be a bioindicator of pond contamination?

Vejsada P.: Influence of long-term storage of common carp flesh on PUFA content.

Turkowski K.: Use and market value of fish ponds in Poland.

Demeš M.: AgroWeb Network in the CEE region.

Robin J, **Vallod D.**: Geosmin and carp off-flavors in France.

Poster presentations

Kouřil J., Adámek Z.: Fish production and its species diversity in the Czech Republic during last 15 years.

Vejsada P.: Test results of organoleptic characteristic of carp flesh.

New Challenges in Pond Aquaculture

České Budějovice, Czech Republic, April 26–28, 2005

2nd Announcement – Registration

Conference Fee is **70 €**, which covers:

- admission to all scientific sessions
- admission to the exhibition area (posters area)
- conference materials
- coffee break refreshments
- bus trip to RIFCH Vodňany experimental facilities
- admission to the opening ceremony of the international exhibition of fish farming equipment, “FISHTECH 2005”

In the conference fee there is NOT included:

- accommodation
- lunches during the conference days (Tuesday and Wednesday)
- lunch during the organised trip to RIFCH Vodňany experimental facilities
- any type of transport costs

Organisers can provide accommodation and lunches for the registered participants, see below for details.

Accommodation

Low class accommodation – Bed & Breakfast, different places in České Budějovice (e.g. hotel-cz.moonface.cz/pension-ceske-budejovice-dvorak.htm)

- double room 18 € per person

Middle class accommodation – Hotel Gomel, České Budějovice (www.gomel.cz)

- single room 51 € per room
- double room 78 € per room, meaning 39 € per person
- triple room 99 € per room, meaning 33 € per person

High class accommodation – Please provide your individual reservation.

We recommend: Grand Hotel Zvon, České Budějovice (www.hotel-zvon.cz)

Hotel Štekl, Hluboká nad Vltavou (<http://www.bohemiagold.cz/frame0.html>)

Lunches

Tuesday and Wednesday - lunches will be reserved for in the University Campus Canteen, for 4 € per person/day.

Thursday (trip to RIFCH Vodňany experimental facilities and the FISHTECH exhibition) – lunch can be reserved in a restaurant nearby the exhibition centre, payment „on-site“ by each participant.

Registration is to be sent until March 31, 2005 to pond.aquaculture@seznam.cz

Payment for conference fee, accommodation and lunches (see details below) **is to be sent prior to April 10, 2005** to the account No. **2303-291/0100** (CZ78 0100 0000 0000 0230 3291) with the determination (variable symbol) of the payment **110**.

A **copy of the Bank Transfer Order** should be sent to the symposium secretariat (Pond Aquaculture Workshop, Research Institute of Fish Culture and Hydrobiology, Zatisi 728/II, Vodnany, CZ - 389 25, e-mail: musil_jiri@quick.cz). All payments are requested to be **made free of charge for the beneficiary**. Please make sure that the participant's name (matching with the name on the registration form) and company/institution is given on the bank transfer.

New Challenges in Pond Aquaculture

České Budějovice, Czech Republic, April 26–28, 2005

Registration details

Mr./Ms./Dr. Last Name..... First Name.....

Title and/or Position.....

Institution/Company.....

Address.....

..... Country.....

Tel..... Fax..... E-mail.....

Would like to give a presentation (Please provide the final version if not done yet.)

• **preferred presentation form (please tick only one)**

oral only

oral preferred

poster only

poster preferred

oral or poster (no preference)

participation without presentation

• **title of proposed presentation**.....

.....

.....

• **authors of proposed presentation (underline the name of presenting author)**

.....

• **to be treated in the session:**

Biological Background of Pond Aquaculture

Pond Management Strategies

Interactions with Protected Plants and Animals

Multipurpose Pond Usage

Raising Product Quality from Pond Aquaculture

If not done yet, please send abstract (250 words max) A.S.A.P. to:

Pond Aquaculture Workshop
Research Institute of Fish Culture and Hydrobiology
Zatíší 728/II
389 25 Vodňany
Czech Republic
E-mail: musil_jiri@quick.cz
Website: www.vurh.jcu.cz

Is to pay the conference fee of 70 € **70 €**

Wants to reserve accommodation in the hotel.....

Arrival date:

Departure date:

- Double room (18 € per person)
- Single room (51 € per room)
- Double room (39 € per person)
- Triple room (33 € per person)

Total price

€

Wants to reserve lunch for Tuesday **4 €**

Wants to reserve lunch for Wednesday **4 €**

Wants to reserve lunch in Vodnany for Thursday

Is vegetarian?

Wants to visit the Budweiser Brewery on Tuesday evening

guided excursion in the brewery **10 €**

restaurant (payment "on-site" by each participant)

TOTAL PAYMENT

Payment details (we accept bank transfer ONLY)

Please insert number of your account (necessary for identification of your payment):

.....

If more than one participant is going to transfer fees from one account, please insert number and names of all of these participant:

1. your name (above)
2.
3.
4.
5.
6.
7.

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Registration has to be send by e-mail until March 31, 2005 to pond.aquaculture@seznam.cz