



Fakulta rybnářství
a ochrany vod
Faculty of Fisheries
and Protection
of Waters

Jihočeská univerzita
v Českých Budějovicích
University of South Bohemia
in České Budějovice
Czech Republic



Food and Agriculture Organization
of the United Nations



INLAND FISHERIES MANAGEMENT AND AQUATIC BIODIVERSITY CONSERVATION

08.–14.10.2023



University of South Bohemia,
Faculty of Fisheries and Protection of Waters
Research centre CENAKVA,
Vodnany, Czech Republic

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South Bohemian Research Center
of Aquaculture and Biodiversity
of Hydrocenoses



Monday 9. 10. 2023

07:00 Breakfast (MEVPIS)

Chairman: Jiří Koleček

Topic: Inland waters - characteristics, fish communities, and negative anthropogenic factors

08:00–08:30 Welcome (Pavel Kozák, Haydar Fersoy, Michal Kulík)

08:30–09:00 Inland waters and their characteristics (Tomáš Randák)

09:00–09:30 Fish communities in open waters (Tomáš Randák)

09:30–10:00 Fish population dynamics (Jan Kubečka)

10:00–10:30 Coffee break

10:30–11:00 Communities of macrozoobenthos and their importance in freshwater ecosystems and pond aquaculture (Martin Bláha)

11:00–11:30 Fish predators and their effect on fish assemblages (Zdeněk Adámek)

11:30–13:30 Lunch (Fish banquet)

Chairman: Antonín Kouba

13:30–14:00 Ecological consequences of intensive fishpond aquaculture (Otakar Strunecký)

14:00–14:30 Biological invasions in freshwaters (Paride Balzani)

14:30–15:00 Crayfish pet trade as a source of non-native species in Europe (Antonín Kouba)

15:00–15:30 Coffee break

15:30–16:00 Pollution of aquatic environment and its impact on fish (Anna Koubová)

16:00–16:30 Anthropogenic drivers of emerging problems related to surface water quality (Jindřich Duras)

16:30–17:00 Plenary discussion

18:00 Dinner (Restaurant Zlatý soudek)

Tuesday 10. 10. 2023

07:30 Breakfast (MEVPIS)

Chairman: Tomáš Randák

Topic: Inland fishery management

08:30–09:00 Fishery management in open waters (Milan Hladík)

09:00–09:30 Fishery management in salmonid fishing grounds (Tomáš Randák)

09:30–10:00 Food-web manipulation by fish stock management (Zdeněk Adámek)

10:00–10:30 Coffee break (MEVPIS)

10:30–11:00 European eel and Atlantic salmon managements in open waters (Pavel Vrána)

11:00–11:30 Breeding of stocks for open waters (Tomáš Polícar)

11:30–12:30 Sustainable application of recirculating aquaculture system for fish production and aquatic conservation (Tomáš Polícar)

12:30–13:30 Lunch (MEVPIS)

Chairman: Miloš Buřič

Topic: Methodological approaches in inland fishery management

13:30–14:00 Costs of invasive species in freshwaters (Phillip Haubrock)

14:00–14:30 Monitoring of Fish Ladders by automatic system (Jan Urban)

14:30–15:00 Behavioural aspects in crayfish and their use in freshwater research (Miloš Buřič)

15:00–15:30 Coffee break (MEVPIS)

15:30–16:00 Production of feeding organisms and their application in aquaculture (Václav Kučera)

16:00–16:30 Long-term effects of replacing fish meal with alternative sources on fish immune system and welfare (Ghasem Rashidian)

16:30–17:00 Plenary discussion

18:00 Dinner (Restaurant Zlatý soudek)





Wednesday 11. 10. 2023

07:30 Breakfast (MEVPIS)

Chairman: Petr Císař

Topic: Methodological approaches in inland fishery management

08:30–09:00 Fish capture methods in open waters (Tomáš Jůza)

09:00–09:30 Monitoring of fish population in surface running waters (Petr Blabolil)

09:30–10:00 Possibilities of fish marking (Jan Turek)

10:00–10:30 The overlooked use and monetary costs of non-native species in aquaculture (Francisco J. Oficialdegui)

10:30–11:00 Coffee break

11:00–11:30 Fish migrations and fishways (Ondřej Slavík)

11:30–12:00 Methods used in the fish migration research (Pavel Horký)

12:00–12:30 Fish individuals identification using visual patterns (Petr Císař)

12:30–13:30 Lunch

13:30–17:00 Field visit: Aquaponics (Radek Gebauer)

18:00 Excursion and dinner in the Budvar Brewery

Thursday 12. 10. 2023

07:30 Breakfast (MEVPIS)

08:30–12:30 FFPW USB and the CENAKVA research infrastructure – Genetic Fisheries Centre, Experimental Fish Culture and Facility, Laboratories (David Gela, Pavel Lepič, Martin Pšenička, Roman Grabic, Sergii Boryshpolets)

12:30–13:30 Lunch

Chairman: Bořek Drozd

Topic: Aquatic biodiversity conservation

13:30–14:00 Conservation of genetic resources *in situ* (Martin Hubálek)

14:00–14:30 Sperm cryobanking for fish biodiversity conservation (Borys Dzyuba)

14:30–15:00 Stem cell biotechnology as an alternative way for conservation of genetic resources (Martin Pšenička)

15:00–15:30 Coffee break (MEVPIS)

15:30–16:00 Conservation breeding of selected endangered fish species in the Czech Republic (Markéta Dvořáková Prokešová)

16:00–16:30 Methods of crayfish breeding incl. prevention of vertical transmission of crayfish plague *Aphanomyces astaci* and production of crayfish plague-free juveniles from infected females (Pavel Kozák)

16:30–17:00 LIFE Living Rivers: an effective tool for improving the functioning and biodiversity of watercourses in Slovakia (Bořek Drozd)

17:00–17:30 Plenary discussion

18:00 Dinner (Restaurant Zlatý soudek)

Friday 13. 10. 2023

Full day excursion

07:00 Breakfast (MEVPIS)

08:00–12:00 Field visit: ŘÍMOV – fishery management on a drinking water dam (Jan Kubečka, Jiří Peterka)

12:30–13:30 Lunch

13:30–17:00 Field visit: Český Krumlov – UNESCO heritage site on the Vltava River (Alžběta Strouhová)

18:00 Dinner (Restaurant Zlatý soudek)