Tuesday, the 24th of September, 2013

8:00–9:00: Registration

9:00–9:30: Welcome words (Otomar Linhart, the Dean of the Faculty of Fisheries and Protection of Waters and Director of CENAKVA)

SESSION 1: Quality of Fish Flesh and Nutrition
Chairmen: S. Kaushik, J. Pickova, J. Mráz

9:30-9:50: Flesh quality of farmed fish fed diets with low levels of fishmeal and fish oil. (Sachi Kaushik)

9:50–10:10: New strategies when thinking sustainable feeds to fish. (Jana Picková)

10:10–10:30: Lipids in common carp and effects on human health. (Jan Mráz, Pavel Kozák, Tomáš Zajíc, Věra Adámková, Jana Picková)

10:30–10:50: Preliminary study of optimal feed dosage determination of Cyprinus carpio l. x Carassius auratus l. hybrid reared in cages in cooling water. (Jacek Sadowski, Magdalena Wielopolska, Marek Bartłomiejczyk, Mirosław Półgęsek, Ewelina Giedziun)

10:50–11:20: COFFEE BREAK + POSTERS (session “Quality of Fish Flesh and Nutrition”)

11:20-11:40: Effects of feeding different vegetable foods on output and product quality of marketable Carps (Cyprinus carpio). (Gert Füllner)

11:40-12:00: Different susceptibility to body deformities in juvenile cyprinid fish intensively fed dry diet under controlled conditions. (Justyna Sikorska)

12:00-12:20: The role of zooplankton as food in carp pond management. (Maria Anton-Pardo, David Hlaváč, Zdeněk Adámek)

12:20-12:40: Purging the „off-flavour“ from barramundi (Lates calcarifer) after artificial contamination with geosmin. (Gy. Papp Zs., Biro, J., Feledi T., Adorjan A., Pencze V. and J. Sándor Zs.)

12:40–13:40: LUNCH
SESSION 2: Reproduction and Biotechnology


14:30–14:50: Acipenseriform gynogenesis: progress & re-examination. (William L. Shelton, Stephen D. Mims & Rafael Cuevas)


15:10–15:30: Yolk formation in fish: multiple vitellogenins and their receptors. (Naoshi Hiramatsu, Hiroko Mizuta, Wenshu Luo, Osamu Nishimiya, Meiqin Wu, Yuji Mushirobira, Benjamin J. Reading, Craig V. Sullivan, Takashi Todo, and Akihiro Harasawa)

15:30–15:50: Recent progress in studies on androgenesis of fish. (Katsutoshi Arai)

15:50–16:20: COFFEE BREAK + POSTERS (session “Reproduction and Biotechnology”)

16:20–16:40: Attempts to simulate possible autotriploidization mechanisms in two sturgeon species, the sterlet, Acipenser ruthenus and the Siberian sturgeon, A. baerii. (Martin Flajšhans, Marek Rodina, Miloš Havelka, David Gela, Dmytro Bytytsky)

16:40–17:00: Sperm maturation in sturgeon: verification of existence and possibilities for application. (Viktoriya Dzyuba, Borys Dzyuba, Jacky Cosson, Sergei Boryshpolets, Marek Rodina, Pavlo Fedorov, Taiju Saito, Martin Pšenička, Olga Bondarenko, Otmar Linhart)

17:00–17:20: Embryonic stages and primordial germ cells Development in pikeperch Sander lucioperca (Teleostei: Percidae). (Hilal Guralp, Ksenia Pochernaieva, Miroslav Blecha, Tomáš Policar, Martin Pšenička, Taiju Saito)

17:20–17:40: Androgenic Development of the brook charr (Salvelinus fontinalis, Mitchill 1814) in the eggs originated from the interspecific charr hybrids. (Konrad Ocalowicz, Oliwia Michalik, Stefan Dobosz)

17:40–18:00: Dynamics of changes in cytological characteristics of bester oocytes under controlled conditions. (Piyanova Svetlana, Filippova Olga, Zuevskiy Sergey)

18:00–18:20: Comparison of the quality of pikeperch (Sander lucioperca) sperm in different spawning seasons. (Miroslav Blecha, Jiri Krišťan, Azin Mohagheghy, Marek Rodina, Tomáš Policar)

Wednesday, the 25th of September 2013

SESSION 3: Pollutants in the Aquatic Environment
Chairmen: I. Brandt, W. Kloas, T. Randák

9:00–9:20: Impact of seasonal soil fertilizers on crayfish cardiac and behavioural activity. (Kuklina Iryna, Kouba Antonín, Pautsina Aliaksandr, Cisal Petr, Kozák Pavel)

9:20–9:40: Environmental pollutants alter both regulation and catalytic activity of the CYP1 system in fish. (Ingvar Brandt)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
<th>Authors</th>
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<tbody>
<tr>
<td>9:40–10:00</td>
<td>Complex approach to monitoring of aquatic environment contamination in Czech Republic.</td>
<td>(Randák T., Gracic R., Fedorova G., Grabicová K., Burkina V., Golovko O., Steinbach Ch., Žlábek V.)</td>
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<tr>
<td>10:00–10:20</td>
<td>High resolution mass spectrometry as a bridge between environmental chemistry and toxicology.</td>
<td>(Gracic R., Randák T., Fedorova G., Grabicová K., Burkina V., Golovko O., Steinbach Ch., Žlábek V.)</td>
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<td>10:20–10:50</td>
<td>COFFEE BREAK + POSTERS (session “Pollutants in the Aquatic Environment”)</td>
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<td>10:50–11:10</td>
<td>Contaminant Bioaccumulation in Paddlefish and Hybrid Striped Bass Fingerlings Cultured in Reclaimed Effluent Water at a Decommissioned Wastewater Treatment Facility.</td>
<td>(Steven D. Mims and Rafael Uribe-Cuevas)</td>
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<td>11:10–11:30</td>
<td>Recent approaches to assess endocrine disruptors in aquatic environments.</td>
<td>(Werner Kloas, Frauke Hoffmann, Josefin Garmshausen, Andrea Zikova, Ilka Lutz)</td>
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<td>11:30–11:50</td>
<td>Analgesics, psycholeptics, antidepressants and illicit drugs in aquatic environment of Czech Republic.</td>
<td>(G. Fedorova, T. Randák, C. Golovko, V. Kodeš, K. Grabicová, R. Gracic)</td>
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<td>11:50–12:10</td>
<td>Photodegradation characteristics of pharmaceuticals in water under impact of UV and sunlight.</td>
<td>(Oksana Golovko, Roman Gracic, Jerker Fick, Richard Lindberg, Marcus Ostman)</td>
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<td>12:10–12:30</td>
<td>Occurrence, toxicity and fate of natural progesterone and synthetic progestin in aquatic environment: a review.</td>
<td>(Vimal Kumar, Roman Gracic, Hana Kocour Kroupová)</td>
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<td>12:30–12:50</td>
<td>Screening of emerging pollutants by passive sampling in middle and lower reaches of Yangtze river.</td>
<td>(Žlábek Vladimir, Randák Tomáš, Fedorova Ganna, Burkina Viktoria, Ru Huijun, Li Yunfeng, Ni Zhaohui, Chen Daqing, Gracic Roman)</td>
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<td>12:50–13:50</td>
<td>LUNCH</td>
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<td>13:50–14:10</td>
<td>Bio concentration of antidepressant in fish exposed to wastewater treatment plant’s effluent.</td>
<td>(Kateřina Grabicová, Richard H. Lindberg, Marcus Ostman, Roman Gracic, Tomáš Randák, Jerker Fick)</td>
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<td>14:10–14:30</td>
<td>Managing water quality of the HS DTD as a prerequisite for supporting fish fund</td>
<td>(Jasna Grabić, Attila Bezdan, Pavel Benka, Attila Salvai, Jasmina Josimov-Dunderski)</td>
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<td>14:30–14:50</td>
<td>A histology-based health assessment of selected fish species from two rivers in the Kruger national park, South Africa.</td>
<td>(Ina Wagenaar, Warren Smith and Nico Smit)</td>
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<td>14:50–15:10</td>
<td>How does vinclozolin modulate reproductive genes in male goldfish?</td>
<td>(Mahdi Golshan, Azadeh Hatef, Magdalena Socha, Mirosław Sokolowski – Mikołajczyk, Hamid Reza Habibi, Sayyed Mohammad Hadi Alavi)</td>
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<td>15:10–15:30</td>
<td>In vitro inhibition of hepatic cytochrome P450-mediated reactions by human pharmaceuticals in rainbow trout microsomes.</td>
<td>(Viktoria Burkina, Vladimir Žlábek, Galia Zamaratskaia)</td>
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<td>15:50–16:10</td>
<td>Crayfish monitoring system.</td>
<td>(Aliaksandr Pautsina, Dalibor Štys, Petr Cisař)</td>
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SESSION 4: Freshwater Aquaculture of Commercially Interesting Fish – 1st PART

Chairmen: P. Kestemont, D. Kucharczyk, T. Policar

16:10–16:40: COFFEE BREAK + POSTERS (session “Freshwater Aquaculture of Commercially Interesting Fish”)

16:40–17:00: Improvement of larval rearing in percid fish through dietary enrichment with nutrients, immunostimulants and probiotics. (Patrick Kestemont, Robert Mandiki)

17:00–17:20: Effect of age, size and digestive tract development on weaning effectiveness in crucian carp, Carassius carassius (L.), under laboratory condition. (Dariusz Kucharczyk, Beata Łączyńska, Daniel Zbarski, Joanna Nowosad, Katarzyna Palifnska-Zanska, Maria Bilas, Sławomir Krejczell, Tamas Müller)

17:20–17:40: Processing traits of European catfish (Silurus glanis) from outdoor flow-through and indoor recycling aquaculture units. (Z. Adámek, I. Grecau, I. Metaxa, L. Sabarich, J. -P. Blancheton)

Thursday, the 26th of September 2013

SESSION 4: Freshwater Aquaculture of Commercially Interesting Fish – 2nd PART

Chairmen: P. Kestemont, D. Kucharczyk, T. Policar

9:00–9:20: Differences in antioxidant status among important representatives of Cyprinidae, Acipegseridae and Siluridae reared in cage culture. (Radoslaw Drozd, Remigiusz Panicz, Dorota Jankowiak, Arleta Drozd, Arkadiusz Nędzarek)

9:20–9:40: First detection of Herpesvirus anguillae (HVA) in Poland from various eel (Anguillidae sp.) samples. (Paulina Hofsoe)

9:40–10:00: Nursing of pikeperch (Sander lucioperca L.) fry in shallow fishponds. (Balázs Csorbai, Tamás Szabó, Éva Kovács, Ádám Németh, Beatrix Béres, László Horváth)

10:00–10:20: Efficiency of two spawning techniques evaluated by reproductive performance in pikeperch (Sander lucioperca L.). (Tomáš Policar, Miroslav Blecha, Jiří Klíšan)

10:20–10:50: COFFEE BREAK

10:50–11:10: Effect of temperature and stocking density on food utilization and growth of European whitefish (Coregonus lavaretus L.) from lake constance. (Susanne E. Göbel, Jan Baer)

11:10–11:30: Preliminary results of on-growing during hatching of burbot (Lota lota) using chironomidae larvae and chicken liver. (Miroslaw Półgęsek, Jacek Sadowski)

11:30–12:00: Awards for best student presentation and best student poster

Closing words (Martin Pšenička, DIFA II workshop convenor)

12:00–13:00: LUNCH

13:30 – Ceremonial opening of the new CENAKVA facilities