

Report of the
“Fishery/Fish Biology” Expert Group
2016

Work of Expert Group Fishery/Fish Biology during 2106 involved different activities connected with the problem of endangered fish species as well as with problem of introduction and spreading of invasive fish species along the Danube Basin.

Meetings

Preparatory meetings for the second call for proposals of the Danube Transnational Programme (DTP). Project proposal “Enhance and protect aquatic bio-corridors for migratory fish in the Danube River Basin”.

23.06.2016. 1st project preparatory meeting, Vienna

11.10.2016. 2nd consortium meeting, Vienna

27.03.2017. 3rd consortium meeting, Vienna

Publications

Bănăduc, D., Rey, S., Trickova, T., Lenhardt, M., Curtean-Banaduc, A. 2016. The Lower Danube River–Danube Delta–North West Black Sea: A pivotal area of major interest for the past, present and future of its fish fauna — A short review. *Science of the Total Environment* 545-546, 137-151.

Morina, A., Morina, F., Djikanović, V., Spasić, S., Krpo-Ćetković, J., Kostić, B., Lenhardt, M. 2016. Common barbel (*Barbus barbus*) as a bioindicator of surface river sediment pollution with Cu and Zn in three rivers of the Danube River Basin in Serbia. *Environmental Science and Pollution Research* 23 (7), 6723-6734.

Marić, S., Stanković, D., Wanzenböck, J., Šanda, R., Erös, T., Takács, P., Specziár, A., Sekulić, N., Bănăduc, D., Čaleta, M., Trombitsky, I., Galambos, L., Sipos, S., Snoj, A., 2016. Phylogeography and population genetics of the European mudminnow (*Umbra krameri*) with a time-calibrated phylogeny for the family Umbridae. *Hidrobiologia*, May 2017, Vol. 792, Issue 1, pp. 151-168. DOI 10.1007/s10750-016-3051-9

Presentations/poster presentations

FITFISH Annual Conference, 22 April 2016, Belgrade, Serbia

Lenhardt, M., Suciú, R., Finn, O., Hont, S., Paraschiv, M., Iani, M., Smederevac-Lalić, M., Skorić, S., Cvijanović, G., Mićković, B., Nikčević, M. 2016. Restoration of fish migration on the Danube focusing on the main migration barrier - the Iron Gates hydropower dams between Romania and Serbia.

Smederevac-Lalić, M., Riha, M., Kubečka, J., Draštik, V., Peterka, J., Muška, M., Tušer, M., Hegediš, A., Skorić, S., Nikčević, M., Mićković, B., Lenhardt, M. 2016. Application of high tech sonar techniques for the monitoring of fish migrations in the Danube River (Serbia).

The 41st International Association for Danube Research (IAD) Conference, Sibiu, Romania, 13-16 September, 2016

Lenhardt, M., Pekarik, L., Spasić, S., Skorić, S., Smederevac-Lalić, M., Hegediš, A., Jaćimović, V. and Đikanović, V. (2016). The influence of diel period on fish assemblage surveys by electro-fishing and beach seining at three locations in the inshore part of the Danube River.

Bănăduc D., Curtean-Bănăduc A. (2016) Lotic systems connectivity an utopia? – Case study South-West Romania.

V Congress Ecologist of R. Macedonia with International participation, Ohrid, Republic of Macedonia, 19-22 October, 2016

Kostić, J., Kolarević, S., Kračun-Kolarević, M., Aborgiba, M., Gačić, Z., Rašković, B., Poleksić, V., Lenhardt, M., Vuković-Gačić, B. DNA damage and histological changes in gills and liver of cyprinid fish as biomarkers of the Sava River pollution.

Southern Division American Fisheries Society Annual Meeting Cox Convention Center, Oklahoma City, February 2-5, 2017

Paddlefish (*Polyodon spathula*) in Europe: An Aquaculture Species and a Potential Invader, Ivan Jarić, Paolo Bronzi, Gorčin Cvijanović, Mirjana Lenhardt, Marija Smederevac-Lalić and Jörn Gessner.

7th ESENIAS Workshop with Scientific Conference "Networking and Regional Cooperation Towards Invasive Alien Species Prevention and Management in Europe", 28-30 March. 2017, Sofia, Bulgaria.

Gabor Guti – Alien fish species in the Hungarian section of the Danube River: Historical overview.

Angela Curtean-Banaduc, Teodora Trichkova, Doru Banaduc – Trophic features related to the explosive spread of the invasive alien species *Pseudorasbora parva* (Schlegel, 1842) in the Romanian-Danubian basin.

Teodora Trichkova, Milcho Todorov, Ivan Botev, Dan Cogalniceanu, Doru Banaduc, Tihomir Stefanov, Luchezar Pehlivanov, Pavel Jurajda - New records of alien fish species in the Danube River and adjacent water bodies in Bulgaria and Romania.

Mirjana Lenhardt, Ladislav Pekarik, Stefan Skorić, Marija Smederevac-Lalić, Aleksandar Hegediš, Milica Jaćimović, Vesna Djikanović - Influence of the diel period and different sampling methods on catch of gobiids at four locations in the inshore part of the Danube River.

Projects

Project proposals

"Ensuring passage of fish during operation of Iron Gates hydroelectric dams" project proposal submitted for funding through the Science for Peace and Security Programme of the North Atlantic Treaty Organization (NATO) at the end of January, 2017, results will be in June, 2017 by University of California, Davis (USA), Institute for Multidisciplinary Research (Serbia) and Danube Delta National Institute (Romania).

“Enhance and protect aquatic bio-corridors for migratory fish in the Danube River Basin” will be submitted for the second call of DTP (May 2017) by BOKU (Austria).

5 May 2017

Mirjana Lenhardt

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