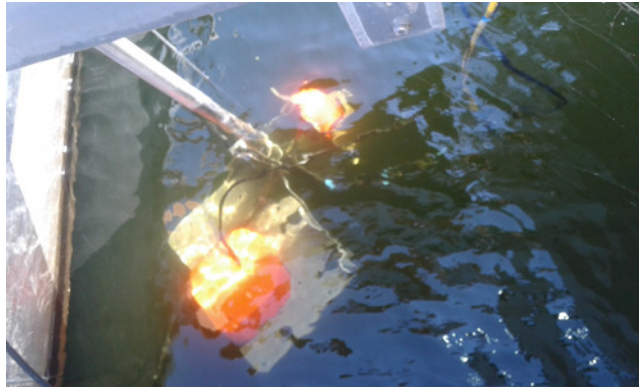




SCIENTIFIC REPORT	
<b>Reference</b>	Short Term Scientific Mission COST FA1304
<b>Beneficiary</b>	<p><b>Dr Marija Smederevac-Lalić</b>                      Institute for Multidisciplinary Research, University of Belgrade                      Kneza Višeslava 1, 11030 Belgrade                      Serbia                      Tel: + 381 11 2078 477, 2078 475                      Fax: + 381 11 3 055 289                      e-mail: <a href="mailto:marijasmederevac@imsi.rs">marijasmederevac@imsi.rs</a>  <a href="http://www.imsi.rs">www.imsi.rs</a></p>
<b>Host Researcher</b>	<p><b>Milan Riha Ph.D.</b>                      Biology Centre AS CR v.v.i.                      Institute of Hydrobiology                      Fish Ecology Unit (FishEcu)                      Na Sadkach 7                      Ceske Budejovice 370 05, Czech Republic                      e-mail: <a href="mailto:mriha00@gmail.com">mriha00@gmail.com</a>  <a href="http://www.fishecu.cz">www.fishecu.cz</a></p>
<b>Period</b>	from 10/08/2015 to 06/11/2015
<b>STSM Reference Code</b>	<b>COST-STSM -FA1304-27714</b>
<b>STSM Title</b>	Application of high tech sonar techniques for the monitoring of fish migrations in the Danube River (Serbia)

**1. Summary (300 words, a photograph of you alongside your collaborators and a short quote describing your experience), to be published on the web site of the action)**

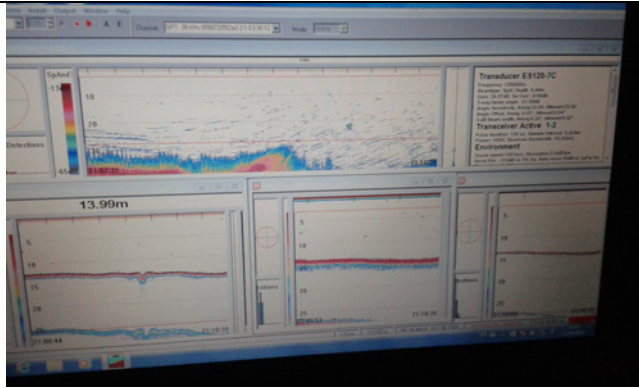
Application of high tech sonar techniques (split-beam echosounder SIMRAD EK60 and multi-beam acoustic camera – DIDSON/ARIS) have been employed as important devices for the monitoring of fish stock, spatio-temporal distribution, migrations and behavior of fish in last decades. Endangered migratory fish species live in Serbia and our Group for ichthyology and aquaculture, Department of Natural Resources and Environmental Sciences of the Institute for Multidisciplinary Research (IMSI) University of Belgrade, study the migration of these species, especially sturgeons and Pontic shads, as well as other local migratory species. To study such endangered species, non intrusive methods are the best to apply because fish welfare and lowest potential harm is highly demanded. The collaboration with Fish Ecology Unit (FishEcu), Institute of Hydrobiology, Biology Centre AS CR v.v.i. provided me with training and knowledge how to use this sophisticated equipment in the field (data collection during August and September), as well as how to process data after successful recording (done during October and November). I have got basic knowledge how to properly deploy and use this type of equipment for collection of good quality data and process my recordings after sampling in the field.



Rimov reservoir



Milada reservoir



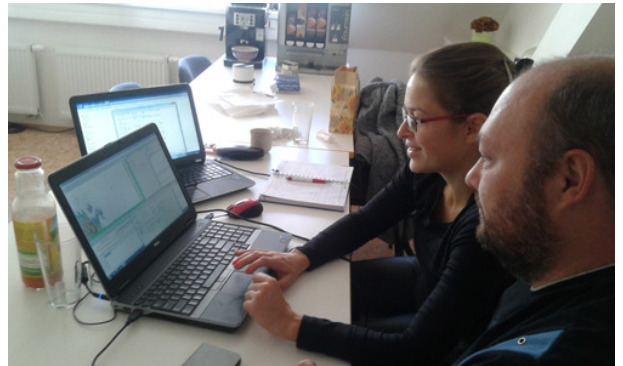
Medard reservoir



Most reservoir



Deployment of equipment



Post-processing data



Presentation at the Institute of Hydrobiology