

## Curriculum Vitae<sup>1</sup>

<b>Name</b>	<b>Prof. Dr. Robert Arlinghaus</b>
<b>Contact</b>	Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB) & Humboldt-Universität zu Berlin (HU) – double affiliation Department of Biology and Ecology of Fishes (IGB) & Division of Integrative Fisheries Management (HU) Müggelseedamm 310 +49-30-64181-653 <a href="mailto:arlinghaus@igb-berlin.de">arlinghaus@igb-berlin.de</a> ( <a href="http://www.ifishman.de">www.ifishman.de</a> )
<b>Education</b>	
2003	Dr. rer. agr. in Fisheries Science (HU)
2000	M.Sc. in Ichthyology (HU)
<b>Research Experience</b>	
Since 2013	Professor for Integrative Fisheries Management (HU) & Senior Scientist for Inland Fisheries Science (IGB)
2006 – 2012	Junior Professor Inland Fisheries Management (HU)
2004 – 2006	Postdoc for recreational fisheries science (IGB)
2000 - 2003	Doctoral student on human dimensions of recreational fisheries (IGB)
<b>Funding</b>	
2019 – 2023	Boddenhecht funded by EMFF and state of M-V (coordinator)
2019 – 2022	Aquatag funded by BMBF (PI)
2019 – 2022	marEEshift funded by BMBF (PI)
2016 – 2022	Baggersee funded by BMBF (coordinator)
2015 – 2018	Impress funded by EU Horizon 2020, ITN (PI)
2014 – 2016	SalmoInvade funded by German Science Foundation (PI)
2013 – 2015	Btypes funded by Leibniz-Competition (PI)
2010 – 2014	Besatzfisch funded by BMBF (Coordinator Young Research Group)
2006 – 2009	Adaptfish funded by Leibniz Competition (coordinator and group leader)
<b>Professional Activities and Memberships</b>	
Since 2019	Co-Editor in Chief Fish and Fisheries
2017 – 2019	Associated Editor Journal of Applied Ecology
2008 – 2016	Associated Editor North American Journal of Fisheries Management
2015 – 2016	Speaker of Humboldt-Princeton Centre for the Reality Mining of Animal Social Systems
Since 2019	Scientific Advisory Board of the German Fisheries Association
Since 2017	Member of the German Advisory Council for Inland Fisheries and Aquaculture Research
2014	Organizer of recreational fisheries as complex adaptive system, SESYNC USA, funded by NSF
2011	Organizer of the 6 <sup>th</sup> World Recreational Fishing Conference in Berlin
2011	Organizer of Fish Stocking Symposium at the American Fisheries Society Conference
Since 2006	Consultant for the Food and Agricultural Organization of the Food and Agricultural Organization (FAO) of the United Nations

<sup>1</sup> Please note that the CV including the list of ten key publications should not exceed a total length of two pages per (sub-)project leader

## Honors and Recognitions

2018	Award by the AFS for Excellence in Public Outreach
2018	Best Paper Award by Spring Simulation Multi-Conference ANSS
2018	Best Paper Award (3 <sup>rd</sup> rang) by the German Limnological Society
2016	Cultura-Prize by Alfred-Töpfer Foundation
2014	Award by German UNESCO Commission
2012	Medal by FSBI for a young scientist < 40
2008	Award of Excellence in Fisheries Management, AFS
2007	Elected into the Young Elite of 40 young researchers younger than 40
2006	Teaching Award by the Faculty of Agriculture and Horticulture
2006	Dream-Team of German Young Scientists
2004	Leibniz-Young Researcher Award for outstanding doctoral thesis
2004	Albrecht-Daniel-Thaer Dissertation Award
2004	Bscher-Media Award for excellence in popular science communication
2003	„Writer of the Year“ by 1000 readers of the angling magazine „Carp Connect“
2001	Humboldt-Preis for outstanding master thesis
2001	Award by VDFF for master thesis “particularly beneficial for German fisheries”
2001	Award by Ministry for Agriculture, Environment and Rural Planning

## Ten key publications of relevance to this proposal

1. **Arlinghaus, R.**, Laskowski, K.L., Alós, J., Klefoth, T., Monk, C.T., Nakayama, S., Schröder, A. (2017). Passive gear-induced timidity syndrome in wild fish populations and its potential ecological and managerial implications. *Fish and Fisheries*, 18, 360-373
2. Baktoft, H., Zajicek, P., ... **Arlinghaus, R.** (2015). Performance assessment of two whole-lake acoustic positional telemetry systems - Is reality mining of free-ranging aquatic animals technologically possible? *PLoS ONE*, 10(5), e0126534
3. Jørgensen, C., Enberg, K., Dunlop, E. S., **Arlinghaus, R.**, ... Dieckmann, Heino, M., Rijnsdorp, A. D. 2007. Managing evolving fish stocks. *Science*, 318:1247-1248.
4. Klefoth, T., Skov, C., Krause, J., **Arlinghaus, R.** (2012). The role of ecological context and predation risk-stimuli in revealing the true picture about the genetic basis of boldness evolution in fish. *Behavioral Ecology and Sociobiology*, 66, 547–559.
5. Kobler, A., Klefoth, T., Mehner, T., **Arlinghaus, R.** (2009). Coexistence of behavioural types in an aquatic top predator: a response to resource limitation? *Oecologia*, 161, 837–847
6. Laskowski, K.L., Monk, C. T., Polverino, G., Alós, J., Nakayama, S., Staaks, G., Mehner, T., **Arlinghaus, R.** (2016). Behaviour in a standardized assay, but not metabolic or growth rate, predicts behavioural variation in an adult aquatic top predator *Esox lucius* in the wild. *Journal of Fish Biology*, 88, 1544–1563.
7. Monk, C. T., **Arlinghaus, R.** (2018). Eurasian perch, *Perca fluviatilis*, spatial behaviour determines vulnerability to angling independent of angler skill in a whole-lake reality mining experiment. *Canadian Journal of Fisheries and Aquatic Sciences*, 75, 417-428
8. Monk, C., Barbier, M., Romanczuk, P., Watson, J., Alós, J., Rubenstein, D., Levin, S., **Arlinghaus, R.** 2018. How ecology shapes exploitation: a framework to predict the behavioural response of human and animal foragers along exploration-exploitation tradeoffs. *Ecology Letters*, in press.
9. Nakayama, S., Doering-Arjes, P., Linzmaier, S., Brieger, J., Klefoth, T., Pieterek, T., **Arlinghaus R.** (2018). Fine-scale movement ecology of a freshwater top predator, Eurasian perch (*Perca fluviatilis*), in response to the abiotic environment over the course of a year. *Ecology of Freshwater Fish*, 27, 798-812.
10. Nakayama, S., Rapp, T., **Arlinghaus, R.** (2017). Fast–slow life history is correlated with individual differences in movements and prey selection in an aquatic predator in the wild *Journal of Animal Ecology*, 86, 192–201.