

## List of recommended reading for RIBES Network School 3

Stijn Bruneel

### Required reading

Bruneel, S., Gobeyn, S., Verhelst, P., Reubens, J., Moens, T., & Goethals, P. (2018). Implications of movement for species distribution models - Rethinking environmental data tools. *Science of the Total Environment*, 628–629, 893–905. <https://doi.org/10.1016/j.scitotenv.2018.02.026>

### Additional reading

Bruneel, S., Verhelst, P., Reubens, J., Luca, S., Coeck, J., Moens, T., & Goethals, P. (2020). Combining disciplines: Dealing with observed and cryptic animal residencies in passive telemetry data by applying econometric decision-making models. *Ecological Modelling*, March, 109340. <https://doi.org/10.1016/j.ecolmodel.2020.109340>

Bruneel, S., Verhelst, P., Reubens, J., Baetens, J. M., Coeck, J., Moens, T., & Goethals, P. (2020). Quantifying and reducing epistemic uncertainty of passive acoustic telemetry data from longitudinal aquatic systems. *Ecological Informatics*, 59(December 2019), 101133. <https://doi.org/10.1016/j.ecoinf.2020.101133>

Ine Pauwels and Pieterjan Verhelst

### Required reading

Pauwels, I. S., Baeyens, R., Toming, G., Schneider, M., Buysse, D., Coeck, J., & Tuhtan, J. A. (2020). Multi-species assessment of injury, mortality, and physical conditions during downstream passage through a large archimedes hydrodynamic screw (Albert canal, Belgium). *Sustainability (Switzerland)*, 12(20), 1–25. <https://doi.org/10.3390/su12208722>

Verhelst, P., Reubens, J., Coeck, J., Moens, T., Simon, J., Van Wichelen, J., Westerberg, H., Wysujack, K., & Righton, D. (2022). Mapping silver eel migration routes in the North Sea. *Scientific Reports*, 12(1), 1–10. <https://doi.org/10.1038/s41598-021-04052-7>

Vergeynst, J., Pauwels, I., Baeyens, R., Mouton, A., De Mulder, T., & Nopens, I. (2020). Shipping canals on the downstream migration route of European eel (*Anguilla anguilla*): Opportunity or bottleneck? *Ecology of Freshwater Fish*. <https://doi.org/10.1111/eff.12565>

### Additional reading

Birnie-Gauvin, K., Lennox, R. J., Guglielmo, C. G., Teffer, A. K., Crossin, G. T., Norris, D. R., Aarestrup, K., & Cooke, S. J. (2020). The Value of Experimental Approaches in Migration Biology. *Physiological and Biochemical Zoology : PBZ*, 93(3), 210–226. <https://doi.org/10.1086/708455>

Vergeynst, J., Vanwyck, T., Baeyens, R., De Mulder, T., Nopens, I., Mouton, A., & Pauwels, I. (2020). Acoustic positioning in a reflective environment: Going beyond point-by-point algorithms. *Animal Biotelemetry*, 8(1). <https://doi.org/10.1186/s40317-020-00203-1>

Verhelst, P., Baeyens, R., Reubens, J., Benitez, J. P., Coeck, J., Goethals, P., Ovidio, M., Vergeynst, J., Moens, T., & Mouton, A. (2018). European silver eel (*Anguilla anguilla* L.) migration behaviour in a highly regulated shipping canal. *Fisheries Research*, 206(January), 176–184. <https://doi.org/10.1016/j.fishres.2018.05.013>

Verhelst, P., Reubens, J., Buysse, D., Goethals, P., Van Wichelen, J., & Moens, T. (2021). Toward a roadmap for diadromous fish conservation: the Big Five considerations. *Frontiers in Ecology and the Environment*, 19(7), 396–403. <https://doi.org/10.1002/fee.2361>

## Peter Goethals

### Required reading

#### *Lecture Modelling*

Goethals, P. L. M., & Forio, M. A. E. (2018). Advances in ecological water system modeling: Integration and leanification as a basis for application in environmental management. *Water (Switzerland)*, 10(9). <https://doi.org/10.3390/w10091216>

#### *Workshop on paper writing*

Science, W. (n.d.). Chapter 9 : Writing Your Paper.

### Additional reading

Forio, M. A. E., & Goethals, P. L. M. (2020). An integrated approach of multi-community monitoring and assessment of aquatic ecosystems to support sustainable development. *Sustainability (Switzerland)*, 12(14). <https://doi.org/10.3390/su12145603>

Maasri, A., Jähnig, S. C., Adamescu, M. C., Adrian, R., Baigun, C., Baird, D. J., Batista-Morales, A., Bonada, N., Brown, L. E., Cai, Q., Campos-Silva, J. V., Clausnitzer, V., Contreras-MacBeath, T., Cooke, S. J., Datry, T., Delacámara, G., De Meester, L., Dijkstra, K. B., Do, V. T., ... Worischka, S. (2021). A global agenda for advancing freshwater biodiversity research. *Ecology Letters*, October, 1–9. <https://doi.org/10.1111/ele.13931>

## Matthias Schneider

### Required reading

Noack, M., Schneider, M., & Wieprecht, S. (2013). The Habitat Modelling System CASiMir: A Multivariate Fuzzy Approach and its Applications. In *Ecohydraulics - An Integrated Approach* (pp. 75–91). [https://www.academia.edu/download/54768371/Ecohydraulics - An Integrated Approach\\_gnv64.pdf#page=90](https://www.academia.edu/download/54768371/Ecohydraulics_-_An_Integrated_Approach_gnv64.pdf#page=90)

### Additional reading

Wegscheider, B., Linnansaari, T., Ndong, M., Haralampides, K., St-Hilaire, A., Schneider, M., & Curry, R. A. (2021). Fish habitat modelling in large rivers: combining expert opinion and hydrodynamic modelling to inform river management. *Journal of Ecohydraulics*, 0(0), 1–19.  
<https://doi.org/10.1080/24705357.2021.1938251>