

Olivier DELAIGUE

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born on September 16th, 1981
in Sainte-Colombe (France)

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Data Scientist

Work experience

Since Feb. 2013	Permanent position at IRSTEA – HYCAR research unit (Antony) <ul style="list-style-type: none">Hydrological modelingDatabase management for the ORACLE hydrological observatoryCartography and spatial analysisStatistics and data analysis
Sept. 2012 to Jan. 2013	Fixed term contract at the French Government Agency of Water and Aquatic Environments [ONEMA] – Research & development and Water information production & management departments (Vincennes) <ul style="list-style-type: none">Assessing the impact of new bioindicators (study for French Ministry of Environment) Interface with scientists to identify adjustment class limits opportunities in connection with the results of the European intercalibration
May 2008 to Aug. 2012	Fixed term contract at IRSTEA – Hydrosystems and Bioprocesses research unit (Antony) <ul style="list-style-type: none">IPR+ programme (study for the ONEMA) Developing the new French fish-based index to evaluate river ecological quality <ul style="list-style-type: none">WFD intercalibration exercise (study for the European ECOSTAT group) Developing methods and computing programs in order the harmonization of European indices
Oct. 2006 to Apr. 2008	Fixed term contract at IRSTEA – Hydrobiology research unit (Aix-en-Provence) <ul style="list-style-type: none">CYPREF project (study for IRSTEA) Computing cyprinids habitat preferences and developing fish-habitat models on 5M7 software <ul style="list-style-type: none">Therm and Hydrobiology programme (study for Electricity of France [EDF]) Analysis of the influence of temperature on growth of juvenile cyprinid fish

Academic education

2006	Master's 2nd year in Biomathematics & Biocomputing Claude Bernard University, Lyon 1 [UCBL] (Villeurbanne)
2004	Maîtrise [4th year post-graduate degree] in Population & Ecosystems Biology - UCBL (Villeurbanne)

Teachings and Training Courses offered

2017	Hydrological modelling course – Master 2 SAGE - ENPC (Marne-la-Vallée)
Since 2016	Hydrological modelling course – Master 2 SDUEE - Sorbonne University (Paris)
2016	Statistical hydrology course – 1 st year engineers in Water engineering - Polytech Nice-Sophia (Antibes)
Since 2014	R training (programming, statistics and geomatics) researchers and students from IRSTEA (Antony), Sorbonne University (Paris), CNRS (Paris) and the GRNE Doctoral School (ED 398)
2014	IPR+ training for the engineers from ONEMA and the French water agencies

Publications (scientific papers)

- Belliard, J., Beslagic, S., Delaigue, O. & Tales, E. (in press). Reconstructing long-term trajectories of fish assemblages using historical data: the Seine River basin (France) during the last two centuries. *Environmental Science and Pollution Research*, 1–21. DOI: 10.1007/s11356-016-7095-1.
- Uher, E., Besse, J., Delaigue, O., Husson, F. & Lebrun, J. (2018). Comparison of the metal contamination in water measured by diffusive gradient in thin film (DGT), biomonitoring and total metal dissolved concentration at a national scale. *Applied Geochemistry* **88**, 247–257. DOI: 10.1016/j.apgeochem.2017.05.003.
- Beslagic, S. & Delaigue, O. (2017). The otter in Belgium: an unpopular and maltreated species (19th-early 20th centuries). *Anthropozoologica* **52**, 155–170. DOI: 10.5252/az2017n2a2.
- Coron, L., Thirel, G., Delaigue, O., Perrin, C. & Andréassian, V. (2017). The suite of lumped GR hydrological models in an R package. *Environmental Modelling & Software* **94**, 166–171. DOI: 10.1016/j.envsoft.2017.05.002.
- Marzin, A., Delaigue, O., Logez, M., Belliard, J. & Pont, D. (2014). Uncertainty associated with river health assessment in a varying environment: the case of a predictive fish-based index in France. *Ecological Indicators* **43**, 195–204. DOI: 10.1016/j.ecolind.2014.02.011.
- Segurado, P., Caiola, N., Pont, D., Oliveira, J., Delaigue, O. & Ferreira, T. (2014). Comparability of fish-based ecological quality assessment for geographically distinct Iberian regions. *Science of the Total Environment* **476–477**, 785–794. DOI: 10.1016/j.scitotenv.2013.09.004.