

Dr Nicolas LAMOUREUX
Le Néanne F-69620 LETRA
FRANCE
age: 54
4 children



≥ 1999 : INRAE Lyon, Research Director (DR1),
≥ 2020 Director, RiverLy Research unit (~130 persons)
≥ 2017 President, LTSER_Rhône_ZABR (23 Research units, ~300 persons)

Previous positions

2018-20: Vice-director RiverLy Research unit (~130 persons)
2018-20: Vice-director RZA (LTSER_France, Réseau des Zones Atelier)
2003 : NIWA, New Zealand. Visiting scientist. River Habitat Modeling.
1998 : COLORADO STATE UNIVERSITY (post-doc, Ecohydraulics) Fort Collins, USA.
94-97 : University of LYON & CNR, France (PhD student, Ecohydraulics).
92-93 : IRD Nouméa, New Caledonia: (national service, Biostatistics & phytopathology).

Education

2002: Habilitation for Research Supervising (Ecological Modelling, University Lyon I).
1997: PhD in Ecology (Lyon I).
1991: Engineer, French National High schools (Ecole Centrale de Paris, Engref).

Relevant experience

Development, test and transfer of hydraulic habitat models predicting the biological impacts of flow management in streams. Models apply from the reach to catchment and global scales. Associated software is currently used by engineering offices for defining environmental flows, in France and elsewhere.

International comparisons of relations between the biological traits of communities (fish, macro-invertebrates) and the physical habitat in streams.

Long-term tests of the effects of physical restoration of rivers on aquatic communities (e.g. Rhône River restoration; <http://restaurationrhone.univ-lyon1.fr>).

Special Issues edition

Special Issue, Freshwater Biology, 2015 (Lamouroux N., Gore J.A., Lepori F., Statzner B.)

Towards a predictive restoration ecology: a case study of the French Rhône River

<http://onlinelibrary.wiley.com/doi/10.1111/fwb.2015.60.issue-6/issuetoc>

Special Issue River Research and Applications: 2017 (Harby A., Lamouroux N., Martinez-Capel F.)

Ecohydraulics: from microhabitats to catchment management.

<http://onlinelibrary.wiley.com/doi/10.1002/rra.v33.2/issuetoc>

Special Issue Journal of Environmental Management, 2017, (Piégay H., Lamouroux N.)

Enlarging spatial and temporal scales for riverine biophysical diagnosis and adaptive management.

<http://www.sciencedirect.com/science/article/pii/S0301479717306941>

Special Issue River Research and Applications, 2020, (Piégay H., Cottet M., Lamouroux N.)

Innovative approaches in river management and restoration.

<https://www.sciencedirect.com/journal/journal-of-environmental-management/vol/202/part/P2>

Special Issue Journal of Ecohydraulics, 2021, (Packman A.I., Robinson C.T., Lamouroux N.)

Hydraulic drivers of populations, communities and ecosystem processes.

<https://www.tandfonline.com/toc/tjoe20/6/2?nav=toCList>

Publications (see <https://ecoflows.inrae.fr/nicolas-lamouroux/>)

Scholar statistics (WoS): **H_factor: 42 (36), Nb_citations: 6373 (3831)**

Submitted

Becquet J., Lamouroux N., Forcellini F., Cauvy-Fraunié S. (submitted). Modelling macroinvertebrate hydraulic preferences in alpine streams.

Morel M., Pella H., Branger F., Sauquet E., Grenouillet G., Côte J., Braud I., Lamouroux N. (submitted) Catchment-scale applications of hydraulic habitat models: climate change effects on fish.

2021+

Becquet J., Lamouroux N., Condom T., Gouttevin I., Forcellini M., Launay B., Rabatel A., Cauvy-Fraunié S. (in press). Environmental drivers of macroinvertebrate communities in alpine catchments. **Freshwater Biology**. <https://doi.org/10.1111/fwb.13977>

Judes C., Capra H., Gouraud V., Pella H., Lamouroux N. (in press) Past hydraulics influence microhabitat selection by macroinvertebrates and fish in hydropeaking rivers. **River Research and Applications** <https://doi.org/10.1002/rra.3981>

Picard C., Flourey M., Seyedhashemi H., Morel M., Pella H., Lamouroux N., Buisson L., Moatar F., Maire A. (in press) Direct habitat descriptors improve the understanding of the spatial organization of fish and macroinvertebrate communities across a large catchment. **PLoS One**.

Torgersen C., Le Pichon C., Fullerton A., Dugdale S., Duda J., Giovannini F., Tales E., Belliard J., Branco P., Bergeron N., Roy M., Tonolla D., Lamouroux N., Capra H., Baxter C.V. (2022) Riverscape approaches in practice: Perspectives and applications. **Biological Reviews**, 97, 481-504. <https://doi.org/10.1111/brv.12810>

Forcellini M., Plichard L., Dolédec S., Méricoux S., Olivier J.-M., Cauvy-Fraunié S. and Lamouroux N. (2022). Microhabitat selection by macroinvertebrates: generality among rivers and functional interpretation. **Journal of Ecohydraulics**. <https://doi.org/10.1080/24705357.2020.1858724>

Messenger M.L., Lehner B., Cockburn C., Lamouroux N., Pella H., Snelder T., Tockner K., Trautmann T., Watt C., Datry T. (2021) Global prevalence of non-perennial rivers and streams. **Nature**, 594, 391-397. <https://doi.org/10.1038/s41586-021-03565-5>

Judes C., Gouraud V., Capra H., Maire A., Barillier A., Lamouroux N. (2021) Consistent but secondary influence of hydropeaking on stream fish assemblages in space and time. **Journal of Ecohydraulics**, 6, 157-171. <https://doi.org/10.1080/24705357.2020.1790047>

Packman A.I., Robinson C.T., Lamouroux N. (2021) Hydraulic drivers of populations, communities and ecosystem processes. **Journal of Ecohydraulics**, 6, 91-94. <https://doi.org/10.1080/24705357.2021.1951506>

Damiani M., Roux P., Loiseau E., Lamouroux N., Pella H., Morel M., Rosenbaum R.K. (2021) A high-resolution life cycle impact assessment model for continental freshwater habitat change due to water consumption. **Science of The Total Environment**, 782, 146664. <https://doi.org/10.1016/j.scitotenv.2021.146664>

Dolédec S., Lamouroux N., Hildrew A.G., Resh V. (2021). Bernhard Statzner: an outstanding Freshwater Biologist. **Freshwater Biology**, 66, 205-210. <https://doi.org/10.1111/fwb.13676>

2018-2020

Morel M., Booker D.J., Jowett I.G., Gob F., Lamouroux N. (2020) Convergent theoretical, numerical and empirical approaches of at-a-station hydraulic geometry in stream reaches. **Water Resources Research**, 56. <https://doi.org/10.1029/2020WR027242>

Plichard L., Forcellini M., Le Coarer Y., Capra H., Carrel G., Ecochard R., Lamouroux N. (2020) Predictive models of fish microhabitat selection in multiple sites accounting for abundance overdispersion. **River Research and Applications**, 36, 1056–1075. <https://doi.org/10.1002/rra.3631>

Piégay H., Cottet M., Lamouroux N. (2020) Innovative approaches in river management and restoration. **River Research and Applications**, 36, 875-879. <https://doi.org/10.1002/rra.3667>

Cauvy-Fraunié S., Trenkel V., Daufresne M., Maire A., Capra H., Olivier J.-M., Lobry J., Cazelles B., Lamouroux N. (2020) Interpretation of interannual variability in long-term aquatic ecological surveys. **Canadian Journal of Fisheries and Aquatic Sciences**, 77, 894-903. <https://doi.org/10.1139/cjfas-2019-0146>

Morel M., Booker D.J., Gob F., Lamouroux N. (2020) Intercontinental predictions of river hydraulic geometry from catchment physical characteristics. **Journal of Hydrology**, 582, 124292. <https://doi.org/10.1016/j.jhydrol.2019.124292>

Acuña V., Jorda-Capdevila D., Vezza P., De Girolamo A.M., McClain M., Stubbington R., Pastor A., Lamouroux N., von Schiller D., Munné A., Datry T. (2020) Accounting for flow intermittency in environmental flows design. **Journal of Applied Ecology**, 57, 742-753. <https://doi.org/10.1111/1365-2664.13590>

Riquier J., Piégay H., Lamouroux N., Vaudor L. (2019) Relevance and sustainability of floodplain channel restoration: models based on a 15-years monitoring along the Rhône River. **La Houille Blanche**, 2, 101-108.

Bretagnolle V., Benoit M., Bonnefond M., Breton V., Church J.M., Gaba S., Gilbert D., Gillet F., Glatron S., Guerbois C., Lamouroux N., Lebouvier M., Maze C., Mouchel J.M., Ouin A., Pays O., Piscart C., Ragueneau O., Servain S., Spiegelberger T., Fritz H.

(2019). Action-orientated research and framework: insights from the French Long-Term Socio-Ecological Research network. **Ecology and Society**, 24, 10.

- Damiani M., Lamouroux N., Pella H., Roux P., Loiseau E., Rosenbaum R. (2019) Spatialized freshwater ecosystem Life Cycle Impact Assessment of water consumption based on instream habitat change modeling. **Water Research**, 163, 114884.
- Morel M., Tamisier V., Pella H.; Booker D.J., Navratil O., Piégay H., Gob F., Lamouroux N. (2019) Revisiting the drivers of at-a-station hydraulic geometry in stream reaches. **Geomorphology**, 328, 44-56
- Beaufort A., Lamouroux N., Pella H., Detry T., Sauquet E. (2018) Extrapolating regional probability of drying of headwater streams using discrete observations and gauging networks. **Hydrology and Earth System Sciences**, 22, 3033-3051
- Lamouroux N., Augéard B., Baran P., Capra H., Le Coarer Y., Girard V., Gouraud V., Navarro L., Prost O., Sagnes P., Sauquet E., Tissot L. (2018) Débits écologiques : la place des modèles d'habitat dans une démarche intégrée. **Hydroécologie Appliquée**, 20, 1–26.
- Dick J., Orenstein D.E., Holzer J., Wohner C., Achard A.-L., Andrews C., Avriel-Avni N., Beja P., Blond N., Cabello J., Chen C., Díaz-Delgado R., Giannakis G.V., Gingrich S., Izakovicova Z., Krauze K., Lamouroux N., Leca S., Melecis V., Miklós K., Mimikou M., Niedrist G., Piscart C., Postolache C., Psomas A., Santos-Reis M., Tappeiner U., Vanderbilt K., Van Ryckegem G. (2018) What is socio-ecological research delivering? A literature survey across 25 international LTSER platforms. **Science of the Total Environment**, 622–623, 1225–1240.

2013-2017

- Bret V., Capra H., Gouraud V., Lamouroux N., Piffady J., Tissot L., Rivot E. (2017) Understanding inter-reach variation in brown trout (*Salmo trutta*) mortality rates using a hierarchical Bayesian state-space model. **Canadian Journal of Fisheries and Aquatic Sciences**, 74, 1612-1627
- Piégay H., Lamouroux N. (2017) Enlarging spatial and temporal scales for riverine biophysical diagnosis and adaptive management. **Journal of Environmental Management**, 202, 333-336.
- Riquier J., Piégay H., Lamouroux N., Vaudor L (2017) Are restored side channels sustainable aquatic habitat features? Predicting the potential persistence of side channels as aquatic habitats based on their fine sedimentation dynamics. **Geomorphology**, 295, 507-528.
- Harby A., Martinez-Capel F., Lamouroux N. (2017) From microhabitat ecohydraulics to an improved management of river catchments: bridging the gap between scales. Special Issue, **River Research and Applications**, 33,189–191
- Capra H., Plichard L., Bergé J., Pella H., Ovidio M., McNeil E., Lamouroux N. (2017) Fish habitat selection in a large hydropeaking river: strong individual and temporal variations revealed by telemetry. **Science of the Total Environment**, 578, 109-120.
- Plichard L., Capra H., Mons H., Pella H., Lamouroux N. (2017). Comparing electrofishing and snorkelling for characterizing fish assemblages over time and space. **Canadian Journal of Fisheries and Aquatic Sciences**, 74, 75-86.
- Lamouroux N., Gore J.A., Lepori F. & Statzner B. (2015) The ecological restoration of large rivers needs science-based, predictive tools meeting public expectations: an overview of the Rhône project. **Freshwater Biology**, 60, 1069-1084.
- Castella E., Beguin O., Besacier-Monbertrand A.-L., Hug Peter D., Lamouroux N., Mayor Siméant H. et al. (2015) Changes in benthic invertebrates and their prediction after the restoration of lateral connectivity in a large river floodplain. **Freshwater Biology**, 60, 1131-1146.
- Daufresne M., Veslot J., Capra H., Carrel G., Poirel A., Olivier J.-M., lamouroux N. (2015) Fish community dynamics (1985-2010) in multiple reaches of a large river subjected to flow restoration and other environmental changes. **Freshwater Biology**, 60, 1176-1191.
- Vaudor L., Lamouroux N., Olivier J.-M. & Forcellini M. (2015) How sampling influences the statistical power to detect changes in abundance: an application to river restoration. **Freshwater Biology**, 60, 1192-1207
- Mérigoux S., Forcellini M., Dessaix J., Fruget J.-F., Lamouroux N. & Statzner B. (2015) Testing predictions of changes in benthic invertebrate abundance and community structure after flow restoration in a large river (French Rhône). **Freshwater Biology**, 60, 1104-1117.
- Lamouroux N. & Olivier J.-M. (2015) Testing predictions of changes in fish abundance and community structure after flow restoration in four reaches of a large river (French Rhône). **Freshwater Biology**, 60, 1118-1130.
- Detry T., Lamouroux N., Thivin G., Descloux S., Baudoin J.M. (2015) Estimation of Sediment Hydraulic Conductivity in River Reaches and its Potential Use to Evaluate Streambed Clogging. **River Research and Applications**, 31, 880-891.
- Morandi B., Piégay H., Lamouroux N., Vaudor L. (2014) How is success or failure in river restoration projects evaluated? Feedback from French restoration projects. **Journal of Environmental Management**, 137, 178-188.
- Girard V., Lamouroux N., Mons R. (2014) Modeling point velocity and depth statistical distributions in steep tropical and alpine stream reaches. **Water Resources Research**, 50, 427–439.
- Lamouroux N., Pella H., Snelder T.H., Sauquet E., Lejot J., Shankar U. (2014) Uncertainty models for estimates of physical characteristics of river segments over large areas. **Journal of the American Water Resources Association**, 50, 1-13.
- Girard V., Monti D., Valade P., Lamouroux N., Mallet J.P., Grondin H. (2014). Hydraulic preferences of shrimps and fishes in tropical insular rivers. **River Research and Applications**, 30, 766-779.
- Snelder T.H., Detry T., Lamouroux N., Larned S.T., Sauquet E., Pella H., Catalogne C. (2013) Regionalization of patterns of flow intermittence from gauging station records. **Hydrology and Earth System Sciences**, 17, 2685-2699.
- Girard V., Le Goulven P., Calvez R., Lamouroux N. (2013) Velocity and depth distributions in stream reaches: testing European models in tropical Andean highlands. **Journal of Hydraulic Engineering**, 139, 794–798.

Lamouroux N., Mérioux S., Dolédec S., Snelder T.H. (2013) Transferability of hydraulic preference models of aquatic macroinvertebrates. **River Research and Applications**, 29, 933-937.

2010-2013

- Bergé J., Capra H., Pella H., Steig T.W., Ovidio M., Bultel E., Lamouroux N. (2012) Probability of detection and positioning error of a hydro acoustic telemetry system in a fast-flowing river: intrinsic and environmental determinants. **Fisheries Research**, 125-126, 1-13
- Snelder T.H., Barquin Ortiz J., Booker D., Lamouroux N., Pella H., Shankar U. (2012) Can bottom-up procedures improve the performance of stream classifications? **Aquatic Sciences** 74, 45-59.
- Pella H., Lejot J., Lamouroux N., Snelder T. (2012) The theoretical hydrographical network (RHT) for France and its environmental attributes. **Géomorphologie : Relief, Processus, Environnement**, 3, 317-336.
- Snelder T.H., Booker D., Lamouroux N. (2011) A method to assess and define environmental flow rules for large jurisdictional regions. **Journal of the American Water Resources Association**, 47, 828-840.
- Snelder T.H., Lamouroux N., Pella H. (2011) Empirical modelling of large scale patterns in river bed surface grain size. **Geomorphology**, 127, 189-197.
- Vaudor L., Lamouroux N., Olivier J.-M. (2011) Comparing distribution models for small samples of overdispersed counts of freshwater fish. **Acta Oecologia**, 37, 170-178.
- Friberg N., Bonada N., Bradley D.C., Dunbar M.J., Edwards F.K., Grey J., Hayes R.B., Hildrew A.G., Lamouroux N., Trimmer M., Woodward G. (2011) Biomonitoring of human impacts in freshwater ecosystems: the good, the bad, and the ugly. **Advances in Ecological Research**, 44, 1-68.
- Lamouroux N., Mérioux S., Capra H., Dolédec S., Jowett I.G., Statzner B. (2010) The generality of abundance-environment relationships in microhabitats: a comment on Lancaster and Downes (2009). **River Research and Applications**, 26, 915-920.
- Snelder T.H., Lehmann A., Lamouroux N., Leathwick J., Allenbach K. (2010) Effect of classification procedure on the performance of numerically defined ecological regions. **Environmental management**, 45, 939-952.
- Snelder T.H., Lamouroux N. (2010) Co-variation of fish assemblages, flow regimes and other habitat factors in French rivers. **Freshwater Biology**, 55, 881-892.

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- Snelder T.H., Lehmann A., Lamouroux N., Leathwick J., Allenbach K. (2009) Strong influence of variable treatment on the performance of numerically defined ecological regions. **Environmental Management**, 44, 658-670.
- Mérioux S., Lamouroux N., Olivier J.M., Dolédec S. (2009) Invertebrate hydraulic preferences and predicted impacts of changes in discharge in a large river. **Freshwater Biology**, 54, 1343-1356.
- Snelder T.H., Lamouroux N., Leathwick J.R., Pella H., Sauquet E., Shankar U. (2009) Predictive mapping of natural flow regimes of France. **Journal of Hydrology**, 373, 57-67.
- Ibañez C., Belliard J., Hughes R.M., Irz P., Kamdem-Toham A., Lamouroux N., Tedesco P.A., Oberdorff T. (2009) Convergence of temperate and tropical stream fish assemblages. **Ecography**, 32, 658-670.
- Pella H., Snelder T., Lamouroux N., Vanderbecq A., Shankar U., Rogers C. (2008) Réseau hydrographique naturel étendu (RHE) construit à partir de la BD Carthage®. **Ingénieries**, 55, 13-26
- Snelder T.H., Pella H., Wasson J.G., Lamouroux N. (2008) Definition procedures have little effect on performance of environmental classifications of streams and rivers. **Environmental Management**, 44, 771-788
- Blanck A., Tedesco P.A., Lamouroux N. (2007) Relationships between life-history strategies of European freshwater fish species and their habitat preferences. **Freshwater Biology**, 52, 843-859.
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- Blanck A., Lamouroux N. (2007) Large-scale intraspecific variation in life history traits: European freshwater fish. **Journal of Biogeography**, 34, 862-875.
- Callaghan F.M., Cooper G.G., Nikora V.I., Lamouroux N., Statzner B., Sagnes P., Radford M., Malet E., Biggs B.J.F. (2007) A submersible device for measuring drag forces on aquatic plants and other organisms. **New Zealand Journal of Marine and Freshwater Research**, 41, 119-127.
- Cooper G.G., Callaghan F.M., Nikora V.I., Lamouroux N., Statzner B., Sagnes P. (2007) Effects of flume characteristics on the assessment of drag on flexible macrophytes and a rigid cylinder. **New Zealand Journal of Marine and Freshwater Research**, 41, 129-135.
- Dolédec S., Lamouroux N., Fuchs U., Mérioux S. (2007) Modelling the hydraulic preferences of benthic macroinvertebrates in small European streams. **Freshwater Biology**, 52, 145-164.
- Lamouroux N., Olivier J.M., Capra H., Zylberlat M., Chandèsris A., Roger P. (2006) Fish community changes after minimum flow increase: testing quantitative predictions in the Rhône River at Pierre-Bénite, France. **Freshwater Biology**, 51, 1730-1743.
- Lamouroux N., Cattaneo F. (2006). Fish assemblages and stream hydraulics: consistent relations across spatial scales and regions. **River Research and Applications**, 22, 727-737.
- Statzner B., Lamouroux N., Nikora V., Sagnes P. (2006) The debate about drag and reconfiguration of freshwater macrophytes: comparing results obtained by three recently discussed approaches. **Freshwater Biology**, 51, 2173-2183.

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- Lamouroux N., Dolédec S., Gayraud S. (2004) Biological traits of stream macroinvertebrate assemblages: effects of microhabitat, reach and basin filters. **Journal of the North American Benthological Society**, 23, 449-466.
- Daufresne M., Roger M.C., Capra H., Lamouroux N. (2003) Long-term changes within the invertebrate and fish communities of the Upper Rhone River: effects of climatic factors. **Global Change Biology**, 10, 124-140.
- Cattanéo F., Huguéy B., Lamouroux N. (2003) Synchrony in brown trout (*Salmo trutta* L.) population dynamics: a 'Moran effect' on early-life stages. **Oikos**, 100, 43-54.
- Lamouroux N., Poff N.L., Angermeier P.L. (2002) Intercontinental convergence of stream fish community traits along geomorphic and hydraulic gradients. **Ecology**, 83, 1792-1807.
- Lamouroux N., Souchon Y. (2002) Simple predictions of instream habitat model outputs for fish habitat guilds in large streams. **Freshwater Biology**, 47, 1531-1542.
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- Cattanéo F., Lamouroux N., Breil P., Capra H. (2002) The influence of hydrological and biotic processes on brown trout population dynamics. **Canadian Journal of Fisheries and Aquatic Sciences**, 59, 12-22.
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- Lamouroux N. (1998) Depth probability distributions in stream reaches. **Journal of Hydraulic Engineering**, 124, 224-227.
- Lamouroux N., Capra H., Pouilly M. (1998) Predicting habitat suitability for lotic fish: linking statistical hydraulic models with multivariate habitat use models. **Regulated Rivers: Research and Management**, 14, 1-11.
- Bornette G., Amoros C., Lamouroux N. (1998) Aquatic plant diversity in riverine wetlands: the role of connectivity. **Freshwater Biology**, 39, 267-283.
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- Lamouroux N., Pellegrin F., Nandris D., Kohler F. (1995) The coffee arabica fungal pathosystem in New-Caledonia: interactions at two different spatial scales. **Journal of Phytopathology**, 143, 403-413.
- Lamouroux N. (1995) Les modèles statistiques de description de l'habitat hydraulique : des outils pour l'écologie. **Bulletin Français de la Pêche et de la Pisciculture**, 337/338/339, 157-163.
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- Lamouroux N., Statzner B., Fuchs U., Kohmann F., Schmedtje U. (1992) An unconventional approach to modeling spatial and temporal variability of local shear stress in stream segments. **Water Resources Research**, 28, 3251-3258.

Book chapters (reviewed)

- Olivier J.M., Carrel G., Lamouroux N., Dole-Olivier M.-J., Malard F., Bravard J.-P., Piégay H., Castella E., Barthélémy C. (2021) The Rhône river basin. In **Rivers of Europe, 2nd edition**. Academic Press, London, pp.391-451.
- Lamouroux N., Hauer C., Stewardson M.J., Poff N.L. (2017) Physical habitat modeling and ecohydrological tools. In Horne A., Webb A., Stewardson M.J., Richter B., Acreman M. (Eds). *Water for the Environment*. Elsevier, Amsterdam. p. 265-285.
- Olivier J.M., Carrel G., Lamouroux N., Dole-Olivier M.-J., Malard F., Bravard J.-P., Amoros C. (2009) The Rhône river basin. In **Rivers of Europe**. Academic Press, London
- Lamouroux N., Zylberblat (2008) Quel est l'impact de l'augmentation des débits dans les vieux Rhône. In **Le Rhône en 100 questions**. Graie, Lyon. pp. 244-245.
- Lamouroux N. (2007) Hydraulic geometry of stream reaches and ecological implications. In **Gravel Bed Rivers 6: From Process Understanding to the Restoration of Mountain Rivers**, edited by H. Habersack, H. Piégay, M. Rinaldi. *Developments in Earth Surface Processes*, 11, 661-675. Elsevier

Edition

Associate Editor: Journal of Ecohydraulics 2016-2018; KMAE > 2008

Guest Editor: Freshwater Biology 2015, Journal of Environmental Management 2017, River Research and Applications 2017, 2020
Journal of Ecohydraulics 2020.

Article reviews for:

Freshwater Biology, Ecology, Ecology Letters, Ecological Applications, Global Ecology and Biogeography, Water Resources Research, Journal of Hydrology, Canadian Journal of Fisheries and Aquatic Sciences, Journal of the North American Benthological Society, Environmental Management, Geomorphology, Ecological Indicators, Ecological Modeling, Hydrobiologia, Estuarine Coastal and Shelf Science, Archiv fur Hydrobiologie, Catena, Journal of Fish Biology, River Research and Applications, Journal of Environmental Management, Fisheries Management and Ecology, Science of the Total Environment, Journal of Ecohydraulics, Ecological Engineering, Ecology of Freshwater Fish, Aquatic Living Resources, Environmental Modelling & Software, Fundamental and Applied Limnology, Journal of Applied Ichthyology, Cybium, Knowledge and Management of Aquatic Ecosystems, Aquatic Sciences, Limnetica, Wires.

Involvement in previous or current EC (and other) funded projects

Coordinator for France of the EC – ERA-Net IWRM-Net "Forecaster" 2007-2009. Facilitating the application of Output from Research and Case Studies on Ecological Responses to hydromorphological degradation and rehabilitation. 130 K€ (for France).

Scientific responsible for EC - Marie-Curie Fellowship IIF –Ton Snelder (New Zealand) 2006-2008. Isfrem project (river environmental regionalisation and habitat modeling). 216 K€.

Coordinator of several regional and national projects (funded by water agencies and the ministry of environment, 2009-2014, 300 K€) dedicated to the ecological translation of flow alteration.

Coordinator of the bio-physical monitoring of the Rhône River ecohydraulic restoration (400 K€/year 1998-2023).