Alban Sagouis

Community Ecologist

PERSONAL DETAILS

Birth	November 29, 1988
Address	Elbestrasse 25, Berlin
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EDUCATION

PhD. Community Ecology 2013-2017

University of Aix-Marseille

Assembly rules of lake fish communities: biotic and abiotic influences.

PhD thesis reviewers: Pr. Emili García-Berthou and Dr. Gaël Grenouillet.

MSc. Ecosystem Modeling 2012-2013

University of Toulouse

Comprehensive formation encompassing a wide array of modeling procedures and statistical analyses based on multiple languages (C, MatLab, R and LaTeX).

MSc. Ecosystem Functioning 2011-2012

University of Toulouse

Theoretical and applied courses covering energy and matter cycles, biodiversity function relations, ecotoxicology and risk assessment, global change and statistics.

BSc. Biology of Organisms, Populations and Ecosystems 2007-2010

University of Toulouse

General formation on organism biology, taxonomy, evolution and ecology.

RESEARCH EXPERIENCE

Scientific assistant 2017-present

IGB Leibniz-Institut Berlin AG Jeschke

I lead analyses for a post-doc project studying fish responses following boom-bust invasive species dynamics. I assist post-docs and PhD students preparing and conducting fieldwork. We carried out a 5 day scientific mission on the Aldebaran scientific vessel on the Müritzsee.

PhD student 2013-2017

Irstea Aix en Provence

I analysed lake fish community responses to disturbances using taxonomic and functional diversity indices. Following this first metric assessment, eutrophication and non-native species effects on fish community assembly rules were analysed at the European scale. Under the supervision of Dr. Christine Argillier and Dr. Franck Jabot

Master student 2013

EDB Toulouse, MSc. research training

A large scale database of fish isotopic signature was aggregated and I tested effects of introduced species on fish trophic diversity in lakes and rivers worldwide. Under the supervision of Dr. Julien Cucherousset.

Master student 2012

Irstea Lyon, MSc. research training

I analysed temporal and spatial dataset describing macroinvertebrate communities' responses to environmental conditions of temporary rivers in France. Under the supervision of Dr. Thibault Datry

SKILLS

Languages	French (mother tongue) English (fluent) Spanish (scholar) German (beginner)
Software	R (plyr, parallel, lme4, dismo, sp...), C++, ArcGIS, Office

PUBLICATIONS

Sagouis, A., Jabot F., Holmgren K., Jeppesen E., Kelly F., Krause T., Lauridsen T., Mehner T. & Argillier C., Disturbance effects on assembly rules: eutrophication acts as an environmental filter in European lake fish communities, *in prep.*

Teichert N., Lepage M., Sagouis A., Borja Á., Chust G., Ferreira M.T., Pasquaud S., et al., Functional redundancy and vulnerability of fish assemblages in European rivers, lakes and estuarine ecosystems, *Scientific Reports, in press.* pdf

Sagouis, A., Jabot F. & Argillier C., 2017, Taxonomic versus functional diversity metrics: how do fish communities respond to anthropogenic stressors in reservoirs? *Ecology of Freshwater Fish*, **226**, 621-635. pdf

Nõges, P., Argillier C., Borja Á., Garmendia J. M., Hanganu J., Kodeš V., Pletterbauer F., Sagouis A. & Birk S., 2016, Quantified biotic and abiotic responses to multiple stress in freshwater, marine and ground waters. *Science of The Total Environment*, **540**, 43–52. pdf

Blabolil, P., Logez M., Ricard D., Prchalová M., Říha M., Sagouis A., et al., 2016, An assessment of the ecological potential of Central and Western European reservoirs based on fish communities. *Fisheries Research*, **173**, 80–87. pdf

Vander Vorste, R., Corti R., Sagouis A. & Datry T., 2016, Invertebrate communities in gravel-bed, braided rivers are highly resilient to flow intermittence. *Freshwater Science*, **35**, 164–177. pdf

Sagouis, A., Cucherousset J., Villéger S., Santoul F. & Boulêtreau S., 2015, Non-native species modify the isotopic structure of freshwater fish communities across the globe. *Ecography*, **38**, 979–985. pdf