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Xavier LAVIRON

MSc. Student in Ecology
University of Burgundy

WORK EXPERIENCE

MSc. Research Internship – *INRA Dijon* FEBRUARY 2017 – JULY 2017
Detecting co-occurence patterns in weed communities using a probabilistic clustering method: the Latent Dirichlet Allocation (supervised by Sabrina Gaba & Joël Chadœuf)

MSc. Research Internship – *INRA Dijon* MARCH 2016 – MAY 2016
How ecological processes drive weed communities assembly, evaluation of community scale metrics (supervised by Lucie Mahaut)

Technical Degree Internship – *INRA Dijon* MARCH 2013 – JUNE 2013
Effect of repeated antibiotics soil input on *B. japonicum* populations (supervised by Cécile Revellin)

EDUCATION & QUALIFICATIONS

2015–2017 **MSc. Biology of Organisms and Populations** – *Dijon, University of Burgundy*
2013–2015 **BSc. Biology of Organisms and Populations** – *Dijon, University of Burgundy*
2011–2013 **Technical College Degree in Biological Analyses** – *Dijon, University of Burgundy*
2009 **A-Level in Mathematics, Biology and Physics** – *Cusset, Lycée S^{t} Pierre*

RESEARCH WORK

Talk at Ecology and Agriculture Summit for Young scientists *23/03/2017, Chizé*- Review of studies on crop-weed interactions reveals a lack of methodological standardization

Workshop Week WS3 with Discoweed Project at CESAB *April 2017*- Work on weeds abundance estimation from semi-quantitative samples

OTHER ACTIVITIES

Enthusiast Programmer - I like to code for fun, making useful (or useless) programs to make life easier when sitting at my computer. I am also very interested in software development tools (like git) and how they can be used in various collaborative tasks.

Free Software Supporter - I am a fervent supporter of the Free Software Community, and I am used to help people taking their first steps in this community

Enthusiast Mechanic - I like fixing and hacking all sort of machines, with a passion for old mopeds

SKILLS

LANGUAGES

English: Good oral and written skills
French: Native speaker

SCIENTIFIC

Biology: Comfortable with various methods in biochemical analyses, molecular biology, microbiology. Some experience with field work (vegetation and benthic macro-invertebrates sampling).

Data Analysis: Comfortable with various parametric and non-parametric tests, randomized tests, multivariate analyses, basic knowledge of bayesian statistics and good experience with large datasets analysis in the R environment. Basic knowledge of relational databases management (SQL).

SOFTWARES

OS: ArchLinux and other GNU/Linux distros, comfortable with Linux command line

Programming: R, Python, C++, LaTeX, bash

Tools: Git, SSH, nginx, Gimp, Inkscape, Vim, GPG