

Constance Brouillet – Doctoral researcher

27 years old, French Nationality

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Education and training

Doctoral researcher, Planning of Landscape and Urban Systems (PLUS), ETH Zürich	05/2021- now
MSc in Environmental Sciences and Engineering, EPFL, Lausanne <i>Specialization in Water, Soil and Ecosystems Engineering</i>	09/2017-08/2020
Exchange semester at ETH Zurich <i>Specialization in Forest and Landscape management</i>	09/2019-02/2020
BSc in Environmental Sciences and Engineering, EPFL, Lausanne	09/2013-07/2017
Exchange year in Aalto University, Helsinki, Finland	09/2016-07/2017

Training

Companion modelling summer school - INRA - CIRAD - IRSTEA – LISODE, Crillon-le-Brave, France	09/2021
Citizen Science Research course – Participatory Science Academy , ETH Zürich & UZH	11/22 - now

Professional experience

Teaching assistant , GIS Exercise <i>Landscape Planning and Environmental Systems</i> , ETH Zürich	05/2021 - now
Research assistant , PLUS, ETH Zürich	11/2020-02/2021
Evaluating the impact of the COVID-19 pandemic on the demand for public open spaces in Swiss cities and small towns. Development of a spatial high-resolution model using ArcGIS and R software.	
Trainee , Oréade-Brèche , Consulting office in Environment and Development, Toulouse, France	03-08/2019
Trainee , Rougier S.A. , Timber company, Republic of the Congo	06-07/2017

Main projects

Master thesis project. Supervisors: Stéphane Joost, Prof. Grêt-Regamey & Dr. Ana Stritih Investigated the perceptions of cultural and social values of various stakeholders attached to the Sava river in Slovenia. Developed a participatory approach to integrate local stakeholders' knowledge and assess their preferences for river management (interviews, map-based survey).	03-08/2020
Anthropological study of water-borne diseases in the Amazon , Field work (3 weeks) and semester project Investigated people's relationship with water resources in urban, rural, and indigenous communities. Proposed lines of research for the development of a spatial and temporal model including social and cultural factors on the occurrence of diarrhoeal diseases.	02-08/2018

Skills

- French - Native | English – C1 | Spanish – B2 | German – B1
- IT Skills: Proficient in R, ArcGIS, QGIS, Matlab.
- Thorough experience in statistical and geospatial analysis.

Publications and conferences

- Scaini A., Stritih A., **Brouillet C.**, and Scaini C. (2021). *Flood Risk and River Conservation: Mapping Citizen Perception to Support Sustainable River Management*. *Frontiers Earth Science*. 9. <https://doi.org/10.3389/feart.2021.675131>
- Scaini A., Stritih A., **Brouillet C.** and Scaini C. (2022). *What locals want: citizen preferences and priorities for the Tagliamento River*. *Environmental Research Letters*, 17(2), p. 025008. <https://doi.org/10.1088/1748-9326/ac4d50>
- Galleguillos T. M., **Brouillet C.**, Molloy J., Axhausen K. W., Zani D., Van Strien M., and Grêt-Regamey A. (2022). *Do we have enough recreational spaces during pandemics? An answer based on the analysis of individual mobility patterns in Switzerland*. *Landscape and Urban Planning*, 221 p. 104373. <http://dx.doi.org/10.1016/j.landurbplan.2022.104373>

Conferences

- [ESP](#) (Ecosystem Services Partnership) (2021) - Europe, Tartu (Estonia)
- ETH for Development Doctoral Colloquium (17-18.11.2022) – ETH Zürich