

Marc Girons Lopez

Address	Oberwiesenstrasse 50 8050 Zurich (Switzerland)	Website	gironslopez.me
Birth	5 September 1986 Barcelona (Spain)	Telephone	+41 (0) 78-775 89 93
		E-mail	gironslopez@gmail.com
		Citizenship	Spain

I am a hydrologist with an interdisciplinary background working as postdoctoral researcher at the University of Zurich. I aim at contributing to build up knowledge and understanding about water related issues to make society more resilient and sustainable. I believe in continuous learning and communication and I am also interested in societal behaviour and data analysis. Everything is connected!

Professional Experience

- feb 2017 – aug 2018* **Postdoctoral Researcher** • University of Zurich (Switzerland)
My research focuses on improving the realism of the snow routine of the HBV rainfall-runoff model while maintaining a low model uncertainty.
- aug 2011 – oct 2016* **Graduate Teaching Assistant** • Uppsala University (Sweden)
Lecturing, leading seminars, and leading and assisting in laboratory and field activities for both undergraduate and graduate courses.
- aug 2011 – oct 2016* **Graduate Research Assistant** • Uppsala University (Sweden)
Design and implementation of hydrology research projects within hydrology, including defining research questions, modelling, data analysis, and reporting scientific results.
- jun 2009 – aug 2009* **Quality Control Intern** • Laboratori Català de Control (Spain)
Quality control tests of cement, concrete and anchorages. Tests of soil properties, water sampling and analysis. Defining procedures for adopting ISO rules.
- jul 2008 – sep 2008* **Environmental Consultant Intern** • URS Corporation (Spain)
Environmental control tests of petrol stations, soil decontamination, and hydrogeological data processing. Fauna and sediment sampling for the quality control of rivers and dams.

Education

- aug 2011 – oct 2016* **Doctor of Philosophy (PhD)** • Uppsala University (Sweden)
Hydrology and Water Resources Science
Thesis: Information Needs for Water Resource and Risk Management: Hydro-Meteorological Data Value and Non-Traditional Information.
- aug 2009 – jun 2011* **Master of Science (MSc)** • Uppsala University (Sweden)
Earth Sciences (Hydrology/Hydrogeology)
Thesis: Modelling Climatic and Hydrological Variability in Lake Babati, Northern Tanzania.
- sep 2004 – jun 2009* **Bachelor of Science (BSc)** • Universitat Autònoma de Barcelona (Spain)
Geology
- aug 2007 – jun 2008* **Exchange student** • Université Joseph Fourier (Grenoble I) (France)
Geology and Earth Sciences

Selected Publications

(A comprehensive list of publications can be found on the website.)

- Girons Lopez, M.**, Di Baldassarre, G., and Seibert, J. (2017). "Impact of social preparedness on flood early warning systems". In: *Water Resources Research* 53.1, pp. 522–534. ISSN: 1944-7973. DOI: [10.1002/2016WR019387](https://doi.org/10.1002/2016WR019387).
- Girons Lopez, M.** and Seibert, J. (2016). "Influence of hydro-meteorological data spatial aggregation on streamflow modelling". In: *Journal of Hydrology* 541, pp. 1212–1220. ISSN: 0022-1694. DOI: [10.1016/j.jhydrol.2016.08.026](https://doi.org/10.1016/j.jhydrol.2016.08.026).
- Girons Lopez, M.**, Wennerström, H., Nordén, L.-Å., and Seibert, J. (2015). "Location and Density of Rain Gauges for the Estimation of Spatial Varying Precipitation". In: *Geografiska Annaler: Series A, Physical Geography* 97.1, pp. 167–179. ISSN: 1468-0459. DOI: [10.1111/geoa.12094](https://doi.org/10.1111/geoa.12094).

Skills

Programming	Python • Matlab • \LaTeX • Fortran
Software	ArcGIS • QGIS • HBV • Git • Inkscape • Linux
Instrumentation	Campbell data loggers • hydro-meteorological sensors
Languages	Native Catalan • Spanish Full professional proficiency English Professional working proficiency Swedish • French Elementary proficiency German
Other	Swedish driving license (B)

Grants, Awards, & Honours

2017	Travel grant • Swiss Association of Geography
2016	Photo contest winner • EGU
2015	Research Fellowship • CUAHSI
2014	Travel grant • Liljewalchs Foundation
2007	Scholarship • Swedish-Spanish Foundation
2007	Scholarship • Erasmus Programme

Other Activities

2016 – 2017	Translator • Planet Press I translate short scientific articles for kids from the European Geosciences Union (EGU) Planet Press initiative from English to Spanish.
2013	Volunteer • IAHS I volunteered supporting the organisation of the 2013 IAHS, IAPSO, IAPSEI Joint Assembly in Gothenburg (Sweden).

References available on request.