

# Qianqian Yu

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		<b>Citizenship</b>	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

<i>feb 2017 — aug 2018</i>	<b>Postdoctoral Researcher</b> • 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.
<i>aug 2011 — oct 2016</i>	<b>Graduate Teaching Assistant</b> • Uppsala University (Sweden) Lecturing, leading seminars, and leading and assisting in laboratory and field activities for both undergraduate and graduate courses.
<i>aug 2011 — oct 2016</i>	<b>Graduate Research Assistant</b> • Uppsala University (Sweden) Design and implementation of hydrology research projects within hydrology, including defining research questions, modelling, data analysis, and reporting scientific results.
<i>jun 2009 — aug 2009</i>	<b>Quality Control Intern</b> • 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.
<i>jul 2008 — sep 2008</i>	<b>Environmental Consultant Intern</b> • 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

<i>aug 2011 — oct 2016</i>	<b>Doctor of Philosophy (PhD)</b> • 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.
<i>aug 2009 — jun 2011</i>	<b>Master of Science (MSc)</b> • Uppsala University (Sweden) Earth Sciences (Hydrology/Hydrogeology) Thesis: Modelling Climatic and Hydrological Variability in Lake Babati, Northern Tanzania.
<i>sep 2004 — jun 2009</i>	<b>Bachelor of Science (BSc)</b> • Universitat Autònoma de Barcelona (Spain) Geology
<i>aug 2007 — jun 2008</i>	<b>Exchange student</b> • 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 •  $\text{\LaTeX}$  • 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.*