



# Timo Kelder

PHD HYDROCLIMATOLOGY

Loughborough, UK

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*"Large ensemble simulations to quantify and explain climate extremes"*

## Summary

Timo Kelder is a PhD student in climate science at Loughborough University, with visiting status at Oxford University and ECMWF. Supervised by Professor Rob Wilby and Dr Tim Marjoribanks, he analyses big data from large-ensemble climate model simulations to improve precipitation design standards and to assess trends in extreme precipitation. As part of an MSc in Earth and Environment at Wageningen University, Timo held an internship at the Norwegian Meteorological Institute (MetNor). As hydrologist within the project 'Translating Weather Extremes into the Future' at MetNor, he was part of an integral team to tackle high-impact flood events in Norway.

## Education

### Loughborough University

PHD Loughborough, UK  
Sep. 2018 - exp. Sep. 2021

- Large ensemble simulations to quantify and explain climate extremes.

### Wageningen University and Research

MSC. EARTH AND ENVIRONMENT Wageningen, The Netherlands  
Aug. 2015 - exp. Feb. 2018

- Internship: Hydrological impacts of atmospheric rivers under current and future climate. Graded: 8.
- Thesis: A simplified routing model for data scarce lowland catchments. Graded: 8.
- Courses: 8

### Wageningen University and Research

BSC. SOIL, WATER AND ATMOSPHERE Wageningen, The Netherlands  
Sep. 2012 - Jul. 2015

- Thesis: Bedform height and length increase linearly with distance from the sea in a tidal environment: a pioneering study of the tidal zone of the Kapuas river. Graded: 8.

## Work Experience

### The Norwegian Meteorological Institute

RESEARCHER Oslo, Norway  
Feb. 2018 - Sep. 2018

- Simulating high-impact flood events in Norway as part of the TWEX project.

### Ecovision

INTERN Curaçao  
Dec. 2015 - Feb. 2016

- I applied the SWMM model to Curaçao to understand sediment transport in the rainwater drainage system of Curaçao.

## Presentations

### EGU 2020

PRESENTOR Online!  
May 2020

Title

### AGU 2018

PRESENTOR Washington DC  
Dec 2018

Title

### Still need to add others

PRESENTOR