

Curriculum Vitae

Name: J.E. Beard MSc.
 First Name: Jack
 Date of Birth: 20 November 1993
 Nationality: British
 Main Disciplines: Water Resources, Climate Change, Water Reuse, Drought, Nature Based Solutions.
 Telephone: +44 (0) 7718 046845
 Email: j.beard@futurewater.nl
 LinkedIn: [linkedin.com/in/jackbeard/](https://www.linkedin.com/in/jackbeard/)



Key Qualifications

Jack Beard (MSc.) is a hydrologist with expertise in water resources, drought and climate change. His MSc thesis research, conducted with KWR Watercycle Research Institute, focused on water balance modelling and to better characterise the influence of drought on streamflows, with a specific focus on the reuse dynamics of treated wastewater. Through his research within the University of Bristol hydrology group and subsequent position at a hydrological consultancy he has also gained experience in the field of flood risk and hydrodynamic modelling. Jack also has experience with teaching, having assisted with the delivery of several MSc courses whilst at Utrecht University. At FutureWater, Jack works regularly on problems relating to Climate Change and Vulnerability assessments for development projects.

Educational Background

2017 – 2019 MSc. Water Science and Management, Utrecht University, Utrecht, The Netherlands (cum laude)
 Thesis: “Following the Water: Characterising de facto Wastewater Reuse in the Netherlands”
 Supervisors: Dr. Ruud Bartholemeus, Prof. dr. ir. Marc Bierkens
 2013 – 2016 BSc. Geography, University of Bristol, Bristol, United Kingdom (first class honours)
 Thesis: “Re-Imagining the Severn: A comparative study of hydrodynamic modelling techniques in data rich and data sparse areas”
 Supervisor: Dr. Jeffrey Neal

Professional Experience

2019 – present Hydrologist / Water Management Advisor, FutureWater, Wageningen, The Netherlands
 2019 – 2019 Research Assistant, KWR Watercycle Research Institute, Nieuwegein, The Netherlands
 2018 – 2019 Teaching / Research Assistant, Utrecht University, Utrecht, The Netherlands
 2016 – 2017 Graduate Flood Risk Consultant, Katherine Colby Hydrologists, Stroud, United Kingdom

Overseas Professional Experience

As non-resident: Spain, United Kingdom

Selection of Assignments and Projects

2020	Preparing the Irrigation and Drainage Modernization in the Vaksh River Basin Project
2020	Preparing Climate Adaptive Water Resources Management in the Aral Sea Basin Project, Uzbekistan.
2020	Supporting Ambitious Climate Action through implementation of Developing Member Countries Nationally Determined Contributions, Armenia, Georgia and Uzbekistan.
2019	Climate Risk Assessment in support of surface water infrastructure investments in the Tonle Sap and Mekong Basins, Cambodia.

Publications (peer-reviewed in scientific journals)

- **Beard, J. E.,** Bierkens, M. F., & Bartholomeus, R. P. (2019). Following the water: Characterising de facto wastewater reuse in agriculture in the Netherlands. *Sustainability*, 11(21), 5936.

Language Skills

English:	Native Speaker
Dutch:	Intermediate
Spanish:	Intermediate

Computer Skills

Standard software:	MS Office
Spatial analysis:	ArcGIS, QGIS
Programming:	R, Python, Google Earth Engine