Curriculum Vitae

Name:	Pascalle van Dijck, MSc
First Name:	Pascalle
Date of Birth:	10 September 1997
Nationality:	Dutch
Main Disciplines:	Climate Risk Assessment
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Key Qualifications

Pascalle van Dijck holds an MSc in Environmental Science with a specialization in Environmental Change & Ecosystems from Utrecht University, focusing on modeling climate scenarios, hazards and environmental systems. Her master's thesis focused on evaluating and correcting vertical motion biases in the ERA5 reanalysis dataset to improve Lagrangian moisture tracking simulations. Now part of the FutureWater team, Pascalle brings her skills in atmospheric moisture transport, and data-driven environmental modeling to support climate resilience projects.

Educational Background

2022 – 2026	Environmental Science, Utrecht University, the Netherlands. Specializing in Environmental Change and Ecosystems
2016 – 2021	BA Liberal Arts & Sciences (Honours), Amsterdam University College, the Netherlands
2009 – 2015	General Secondary Education at Advanced Level (VWO, Gymnasium, Bilingual), Dr. Mollercollege, Waalwijk

Professional Experience

2026 – present *Consultant / Researcher* at FutureWater, Wageningen, The Netherlands

2025 – 2026 MSc. Thesis “Evaluating and Correcting ERA5 Vertical Motion Biases for Improved Lagrangian Moisture Tracking (UTrack)”
Organization: Utrecht University

- Evaluated systematic biases in ERA5 atmospheric vertical velocity (omega) in comparison to Doppler Lidar observations across five distinct climatic and geographic regimes (mountainous, maritime, Arctic, continental).
- Assessed the sensitivity to and uncertainty of the Lagrangian moisture tracking model UTrack to atmospheric forcing, and implications of vertical velocity biases for precipitation source attribution.

Language Skills

Dutch:	Mother tongue
English:	Bilingual
Spanish:	Intermediate/fluent
Swedish/French/German:	Elementary