Curriculum Vitae

Name	R. Hamed MSc.
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Date of Birth	19 September 1992
Nationality	Lebanese
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Key Qualifications

I am a PhD researcher within the Water & Climate Risk group of the Institute for Environmental Studies (IVM) at Vrije Universiteit Amsterdam. In particular, I do my research part of the climate extremes and hydrological extremes groups lead by Dim Coumou and Anne Van Loon respectively. I study weather and climate extremes and related impacts on the agricultural sector. In specific, I apply data-driven approaches to assess the impacts of local and spatially compound hazard events affecting global hotspot producing regions. Moreover, I focus on the storyline approach to address low probability, high impact events both under current and future climate change conditions. My current research is embedded within RECEIPT, an EU-funded project on climate risk storylines. Before starting at the VU Amsterdam, I worked for the environmental consultancy company FutureWater. My main task focused on the EU-funded project IMPREX where I analyzed process-based and data-driven seasonal forecasting skill of hydrological and crop-related variables for a specific region in the South East of Spain.

Educational background

2019 – present	PhD candidate, Department of Water and Climate Risk at the Institute for Environmental Studies, Vrije Universiteit Amsterdam. **Thesis:** Impacts of current and future climate variability on global staple crop production: A storyline approach. **Supervisors:** Prof. Dr. Jeroen Aerts, Dr. Anne Van Loon, Prof. Dr. Dim Coumou
2016 – 2018	MSc. Climate studies, Wageningen University. **Thesis:** Skill analysis of seasonal forecasting of hydrological anomalies. **Supervisor:** Dr. Ronald Hutjes
2011 – 2016	BSc. Agricultural Engineering, American University of Beirut, Lebanon.
2011 – 2014	BSc. Agribusiness, American University of Beirut, Lebanon.

Professional Experience

2019 – Present	PhD researcher, VU-IVM, Amsterdam, the Netherlands.
2018 – 2019	Climate data analyst/Researcher, FutureWater, Wageningen, the Netherlands.
2015 – 2016	Research assistant, American University of Beirut, Lebanon.

Teaching and Supervision Experience

2020– Present	Teaching staff, Water Risks master course, VU Amsterdam
2020– Present	Teaching staff, Climate Impact and Policy master course, VU Amsterdam
2020– Present	VU Amsterdam Master students thesis supervision

Recent Assignments and projects

2021– Present	Integrating Flood and Drought Management and Early Warning for Climate Change Adaptation in the Volta Basin (VFDM) (WMO study)
2019 – Present	PhD candidate within the European Union-funded (H2020) project RECEIPT(https://climatestorylines.eu/) on developing storylines of climate risk connecting Europe to the world
2019 – 2019	Application of the Decision Tree Framework in Chancay-Lambayeque watershed in Peru- Extreme value analysis. (World Bank study)
2018 – 2019	Researcher within the agriculture-drought work package in European Union-funded (H2020) project IMPREX(https://www.imprex.eu/) on developing climate services and improving predictions of hydrological extremes
2018 – 2019	Develop seasonal climate services for Agriculture using the Copernicus Climate Data Store. (Climate-KIC pathfinder)

Language Skills

Arabic	: mother tongue
English	: fluent in writing and speech
French	: fluent in writing and speech
Spanish	: moderate

Computer Skills

Programming	: R, Bash
Standard software	: MS Office

Publications

Hamed, R., Van Loon, A. F., Aerts, J., and Coumou, D.: Impacts of hot-dry compound extremes on US soybean yields, Earth Syst. Dynam. Discuss. [preprint], https://doi.org/10.5194/esd-2021-24, accepted, 2021.

Koster, R., G.W.H. Simons, J.E. Hunink, R. Hamed. 2021. Rainfall radar for soil moisture forecasts in the Netherlands: Development and testing of climate service DroogteNL. FutureWater Report 225.

Hamed, R., A. De Tomas, S. Contreras, J.E. Hunink, J.E. 2019. Seasonal Hydrological Forecasting for the Segura River Basin, Spain. FutureWater Report 197

Taner M.Ü., J.E. Hunink, S. Contreras, A. Hijar, R. Hamed, D. Morales, A. Wasti, P. Ray. 2019. El Marco del Árbol de Decisión: Aplicación a la Cuenca de Chancay-Lambayeque, Peru. Informe final. Deltares, FutureWater, INSIDEO and University of Cincinnati para el Banco Mundial.