

PERSONAL INFORMATION **Christiana Photiadou**


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WORK EXPERIENCE

 09/2017 - Onwards **Swedish Meteorological and Hydrological Institute (SMHI), Hydrology R&D Unit**

- **Scientific Leader** for the field Water and Climate Services (from October 2020)
- Senior Scientist – Climate Impact researcher
- Advancing the quality of tailored seasonal forecasts and climate projection data (regional & global scale) & communicating uncertainties in climate models.
- Communication of services – User engagement and community building, understanding user needs
- Adaptation and mitigation strategies – water resources management and societal adaptation
- Data, Tools and Applications, User community for building Water and Climate services
- Preparation of European and International proposal
- Scientific coordinator [AQUACLEW](#) (ERA4CS, JPI Climate, Formas) and [Climate Science basis](#) (WMO, GCF).
- WP leader for C3S_422_Lot1_SMHI (Global Climate Impact Indicators) and C3S_424_SMHI (Operational service for the Water sector).
- SMHI PI and WP leader in CLARA - Advancing climate services (H2020), participating in S2S4E (H2020) for the energy sector.

 01/2014 - 07/2017 **Royal Netherlands Meteorological Institute (KNMI), International Climate Services, R&D Observations and Data Technology**

- Climate Impact Researcher. Participation in EU projects: EUPORIAS (PI, WP co-leader), CLIPc, IS-ENES, UERRA, Euro4m.
- Internal/national project leader for climate scenarios. Responsible for communicating with internal and external users (climate impact scientists and policy makers).
- Climate impact indicators: responsible of bridging Expert Team (ET) consortiums on climate indices such as the ET on Climate Change detection and Indices (ETCCDI) and the ET on Sector-specific Climate Indices (ET-SCI).

 09/2009 - 12/2013 **Deltares and Institute for Marine and Atmospheric research (Netherlands)**

Research assistant: Developing bias correction methods with incorporating circulation patterns for the Rhine River for improving hydrological modeling. Investigating relationships and adapting statistical tools for European heat spells and large-scale atmospheric circulations. Extensive teaching at master level course on Atmospheric Dynamics, Land Surface interactions and modeling, statistical analysis with emphasis on extreme value theory.

 03/2007 - 08/2009 **Hellenic Center for Marine Research, Institute of Oceanography (Greece)**

Researcher: Long-term and extreme value analysis of sea waves and wave climate analysis and modeling, wind and wave energy assessment and development methods for wave and wind data evaluation and calibration.

EDUCATION AND TRAINING

May 2017 Predictability and Ocean-Atmosphere ensemble forecasting at **ECMWF**

June -July 2011 Advance Study Program National Centre for Atmospheric Research (**NCAR**) Boulder, USA

09/2009-12/2013 PhD Utrecht University and Deltares Institute (Netherlands)
Supervisors: Dr. Bart van den Hurk (KNMI), Dr. Albrecht Weerts (Deltares)

PERSONAL SKILLS

Mother tongue(s)	Greek, English				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Dutch	C2	C2	B1	B1	B1
Spanish	B1	B1	A2	A2	A1
Swedish	A1	A1	-	-	-

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

- Communication skills**
 - Good communication skills, gained through experience in working in multidisciplinary and international research projects, user requirement assessments, by giving numerous presentations, project leader of multi-disciplinary project.
- Organisational / managerial skills**
 - Good organisational / managerial skills acquired during climate research projects as WP leader, Project leader and PI. Course completion on PRINCE2 (May 2017) and Swedish course on Leadership and understanding the dynamics of a group (UGL, March 2019).
- Job-related skills**
 - Preparation of international proposal (H2020, C3S, NCF, ERA4CS) and internal proposal (climate scenarios, ECA&D). Supervising bachelor, master students and PhD researchers.
- Computer skills**

R (professional user, parallel computing), Python (advanced user), NCO, CDO, GIT, Unix, Latex. Hydrological models (HBV, SOBEK, Mike 21 PCR-GLOBWB), Delft-FEWS (Advance User).
- Other skills**

Yoga, swimming, traveling
- Driving licence**

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ADDITIONAL INFORMATION

<p>Selected Publications</p> <p>Annual press release on behalf of WMO RA VI RCC-Network, Contribution to the Annual State of the Climate</p>	<ul style="list-style-type: none"> • Merks, J., Photiadou, C., Ludwig, F. and Arheimer, B., 2020. Comparison of open access global climate services for hydrological data. <i>Hydrological Sciences Journal</i>, https://doi.org/10.1080/02626667.2020.1820012 • Contreras, E., Herrero, J., Crochemore, L., Pechlivanidis, I., Photiadou, C., Aguilar, C., Polo, M.J., 2020. Advances in the Definition of Needs and Specifications for a Climate Service Tool Aimed at Small Hydropower Plants' Operation and Management. <i>Energies</i>, 13, 1827, https://doi.org/10.3390/en13071827 • Photiadou, C.S., B. van den Hurk, A. van Delden and A. Weerts: Incorporating circulation statistics in bias correction of GCM ensembles: Hydrological application for the Rhine basin. <i>Climate Dynamics</i>, 2015, doi: 10.1007/s00382-015-2578-1 • Photiadou, C.S., M.R. Jones, D. Keellings and C.F. Dewes: Modeling European hot spells using extreme value analysis. <i>Climate Research</i>, 58:193-207, 2014, http://dx.doi.org/10.3354/cr01191 • Photiadou, C.S., A.H. Weerts and B.J.J.M. van den Hurk: Evaluation of two precipitation data sets for the Rhine River using streamflow simulations, <i>Hydrol. Earth Syst. Sci.</i>, 15:3355-3366, 2011, doi:10.5194/hess-15-3355-2011 • Cornes, R., Photiadou, C., Squintu, A., van den Besselaar, E., van der Schrier, G., Stepanov, I., Azorin-Molina, C. and Verver, G.: "European climate in 2016" <i>Climate Indicator Bulletin</i> • Van den Besselaar, E., Cornes, R., Photiadou, C., van der Schrier, G., Verver, G., Klein Tank, A. and Squintu A.: "2015: joint warmest year on record in Europe" <i>Climate Indicator Bulletin</i>
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Honours and awards	<ul style="list-style-type: none">• Photiadou C., van der Schrier, G., van Oldenborgh, G.J., Verver, G., Klein Tank, A., Plieger, M., Mänchel, H., Bissoli, P. and Rössner, S.: "2014 warmest year on record" Climate Indicator Bulletin• Annual (2015) performance award on outstanding researcher at KNMI for the R&D Observations and Data Technology Department• Early Career Scientist Award (2013) for collaboration with Mary Tye and Greg Holland at Mesoscale and Microscale Meteorology Division, National Centre for Atmospheric Research (NCAR), Boulder, USA• NCAR/US CLIVAR 2011 Advanced Study Program Summer Colloquium scholarship
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