

Professor (Associate) Dr. ILIAS G. PECHLIVANIDIS

Docent, PhD, DIC, MEng

Sex: Male Date of birth: 07/06/1982 Nationality: Hellenic/Swedish Webpage: [SMHI](#) / [Personal](#)



PROFESSIONAL ROLE

- 2021 – Today - **Member** of the [World Meteorological Organization \(WMO\) Research Board](#)
- 2021 – Today - **EO Evangelist** for the Agriculture sector of the [FIRE forum](#)
- 2020 – Today - **Chair** of the EGU Hydrological Sciences subdivision on [Hydrological Forecasting](#)
- 2019 – Today - **Reference Group Member** of the [Centre of Natural Hazards and Disaster Science \(CNDS\)](#)
- 2018 – Today - **Project Leader** of the [Copernicus EMS-Hydrological Forecasting Analytics & Dissemination Centre](#)
- 2018 – Today - **Co-Chair** of the [Hydrological Ensemble Prediction Experiment \(HEPEX\)](#) scientific initiative
- 2012 – Today - **Senior Researcher** at SMHI [Hydrology Research & Development unit](#)
- 2017 – 2020 - **Scientific Leader** in Forecasting of the Water Variables at SMHI Hydrology R&D unit

Other roles include:

- **Principal investigator (PI) & Project leader** in: Hydrological predictions, Multi-hazard early warning systems, Process-based modelling, AI/ML, Climate change impacts, Uncertainty, Data assimilation, Novel data types, Science communication
- **Scientific coordinator** of operational SMHI (sub-)seasonal forecasting service in Europe & globe (<https://hypeweb.smhi.se>)
- **Officer on Duty** for the Copernicus Emergency Management Service – Hydrological Forecasting (2012 - Today)
- **Officer on Duty** for the ARISTOTLE-eENHSP Multi-Hazard Early Warning System (2015 - 2017)
- **Invited Expert** in advisory committees, i.e., JRC, Copernicus CEMS/C3S, ESA, NASA, ITU, UNEP, IWA, IHA

EDUCATION

- 2022 - **Assoc. Professor (Docent) in Environmental Analysis**, Uppsala Univ. (Sweden), Nominator: [Prof. G. Di Baldassarre](#)
- 2009 - **PhD in Hydrology**, Imperial College London (UK), Supervisor: [Prof. Howard S. Wheater](#) & [Neil McIntyre](#)
- 2005 - **M.Eng. (Distinction), Environ. Engineer**, Democritus University of Thrace (Greece), Supervisor: [Prof. V. Tsihrintzis](#)

SCIENTIFIC AND ACADEMIC MERITS

- (Co-) Author of some **50 peer-reviewed scientific articles** in international journals and **> 150 reports / abstracts** on international conference proceedings (peer-reviewed). ORCID: 0000-0002-3416-317X
- **Main supervisor** of 2 (and co-supervisor of 5) Post-Doctoral students at SMHI
- **Co-supervisor of 2 PhD students** at Uppsala University and KTH
- **PhD Examiner of 3 PhD theses** (based at Uppsala University, University of Oslo, Sapienza University of Rome)
- **Teaching (including field work)** of 11 MSc/BSc courses (since 2005). Coordination and marking of final exams.
- **Pedagogic courses** undertaken on supervising PhD and MSc students at Uppsala University and Imperial College London.
- **Scientific/Organisation committee** in workshops and conferences (HEPEX and CEST). **Convener** at sessions of EGU/AGU/IAHS/ EMS/CEST. Poster evaluator. **150+ presentations**

HONOURS AND AWARDS

- **Guest Editor** in 4 journal special issues (2016 - Today)
- **Associate Editor** in the Global NEST journal (since 2012)
- **Invited Speaker** at international workshops/symposia/conferences (>30 since 2012)
- **Outstanding Reviewer** for ASCE Journal of Hydrologic Engineering (2012 and 2015)
- **Scholarship and (Travel) Awards:** i.e., Technical Chamber of Greece and National Scholarship Foundation (2000-2005, 2008), British Hydrological Society (2007, 2008), Greek Minister of Defence (2012), L'Institut Francais de Suede (2019)
- **Student Awards:** i.e., iEMs Society's Student paper commendation for excellent paper and presentation (2008)

FUNDING ACQUISITION, PROJECT MANAGEMENT AND TRAINING COURSES

- **Funding acquisition** (as PI) reaching a total sum of >10 M€ (only for the SMHI group) over the past 10 years
- **Coordinating and managing** (as (co-) PI) 23+ national and EU-funded FP7/H2020/HorizonEurope/DG-ECHO projects
- 2005 - Today - More than 10 courses on **Leadership, Transferable Skills and Management**

TRAINING TOOLS – GAMES – GAMIFICATION – SCIART

- 2018 - Co-developer of the SciArt interactive game for training users in the water-sector "[Call4Water: Seasonal forecasting for water management in different certainty & reliability contexts](#)". Publication: <https://doi.org/10.1175/BAMS-D-20-0169.1>

PROFESSIONAL AFFILIATIONS

World Meteorological Organization (WMO) – *Research Board Member*; Centre of Natural Hazards and Disaster Science (CNDS) – *Reference Group Member*; Hydrologic Ensemble Predictions Experiment (HEPEX) – *Co-Chair*; Global Flood Partnership (GFP); Institution of Civil Engineers (ICE); British Hydrological Society (BHS); American/European Geophysical Society; Technical Chamber of Greece; Environmental Modelling & Software Society (EMS); European Water Association (EWA)

VOLUNTEERING WORK, INTERESTS AND HOBBIES

Club Instructor: SMHI Self-Defence and Boxing (SE; since 2012 and 2015; volunteer); Yong-Gi Taekwondo (SE; since 2017; volunteer); Imperial College Union Taekwondo (2006-2009); Victoria University of Wellington Taekwondo (2009-2011)