

IAHS 2022 Scientific Assembly ECC Workshops

1. W1: Open Science starring Hydrology
2. W2: How to write a proposal in Hydrology
3. W3: Promoting your research findings to the scientific community
4. W4: Applications of satellite remote sensing in hydrological assessments

W1	Open Science starring Hydrology
Scheduled on	Tuesday, 12:15-13:15, Antigone 1
Conveners	<i>Nilay Dogulu</i>, Honeyeh Iravani, Jean N. Namugize, Michelle Newcomer
Description	<p>Open Science is the new black! In recent years there has been a massive shift towards making science and research open. There are five principles of Open Science: open access, open data, open source, open peer review, open methodology. Many scientific disciplines are joining the Open Science movement. Hydrological sciences are also taking their part to nurture a culture of Open Science. Several efforts led by the early career hydrologists are gaining further momentum. However, awareness on the purpose, scope and benefits of Open Science remains considerably low at the larger scale.</p> <p>In this workshop, the participants will get familiar with Open Science concepts and tools, and learn how to apply these in their scientific research and beyond. We will discuss the recent developments regarding Open Science within the hydrology community. We will also share recommendations and best practices on how to support the transition to Open Science at both individual and institutional levels.</p> <p>The workshop is tailored for early career researchers with very little or basic knowledge of Open Science. If you are interested in Open Science you are kindly invited to join regardless of your career stage and background.</p> <p>Please note that pre-registration is not necessary. The workshop will be open to a limited number of participants selected on a first come-first served basis. In cooperation with the Young Hydrologic Society (http://younghs.com/).</p> <p>Invited panellists are:</p> <ul style="list-style-type: none"> ● Dr. Ana Persic (UNESCO, Division of Science Policy and Capacity Building, France) ● Dr. Andrea Popp (University of Oslo & Swedish Meteorological and Hydrological Institute) ● Dr. Lina Stein (University of Potsdam, Germany)



W2	How to write a proposal in Hydrology
Scheduled on	Wednesday, 12:15-13:15, Barthez

Conveners	Giova Mosquera , Joris Eekhout, Nilay Dogulu, Tirthankar Roy
Description	<p>Did you recently finish your water-related PhD in which financial and logistical resources were at hand through the grant/project of your advisor/s? Did you just get your “dream” postdoctoral job position? Even though you have mastered the “art” of writing and publishing papers in hydrology during your doctoral studies, are you now struggling to draft a competitive proposal to acquire funding to address those sneaky questions that you couldn’t unravel during your PhD work? If your answer is yes to these questions, don’t worry, you are not alone and we are here to help!</p> <p>Obtaining funds from local, national and/or international organizations to finance the advancement of hydrological knowledge is a crucial step in the career of a young hydrologist. Recognizing that such endeavour is not a trivial and straightforward task, this workshop aims to provide early career hydrologists with support to overcome the challenges of preparing and submitting relevant and competitive proposals to develop their own research ideas and move forward with their academic careers. Particular attention will be given to the selection of an appropriate call for a given project and how to increase the chance of getting a project funded while giving crucial tips on managing the proposal preparation process. Come join us to hear the advice of highly experienced researchers in hydrological sciences!</p> <p>Please note that pre-registration is not necessary. The course will be open to a limited number of participants selected on a first come-first served basis. In cooperation with the Young Hydrologic Society (http://younghs.com/).</p> <p>Invited panellists are:</p> <ul style="list-style-type: none"> • Assoc. Prof. Anne van Loon (Institute for Environmental Studies, VU Amsterdam, Netherlands) • Prof. David Hannah (University of Birmingham, United Kingdom) • Prof. Wouter Buytaert (Imperial College London, United Kingdom)



W3	Promoting your research findings to the scientific community
Scheduled on	Thursday, 13:30-15:00, Barthez 2
Conveners	Joris Eekhout , Svenja Fischer, Elzbieta Czyzowska-Wisniewski, Nilay Dogulu
Description	<p>Due to the increasing number of publications, it is becoming more and more important to promote your latest research findings to your fellow scientists. This is a step out of many researchers’ comfort zone, but could potentially increase the impact of your publication. This workshop aims to give some practical tips and tricks on how to promote your papers to fellow scientists. First of all, you can let your paper stand out through well-designed figures, which often give the first impression of a paper. Nowadays, journals require a graphical abstract which should convey the key message of the paper, which is an excellent opportunity to let your paper stand out. Through blogging you can also promote your research. For instance, by giving background info about the process that led to your latest paper or by sharing the non-scientific skills you have obtained during your research career.</p>

	<p>This workshop will provide design tips, good/bad examples and a selection of (open-source) tools that could help you to reach a wider scientific audience. It is intended for early career researchers, but please feel free to join along as the topic is of interest to many.</p> <p>Please note that pre-registration is not necessary. The course will be open to a limited number of participants selected on a first come-first served basis. In cooperation with the Young Hydrologic Society (http://younghs.com/).</p> <p>Invited panellists are:</p> <ul style="list-style-type: none"> ● Dr. Lina Stein (University of Potsdam, Germany) ● Dr. Joris Eekhout (CEBAS-CSIC, Spain) ● Nilay Dogulu (Independent researcher, Turkey)
--	---



W4	Applications of satellite remote sensing in hydrological assessments
Scheduled on	Thursday, 10:30-12:00, Barthez 2
Conveners	<i>Tirthankar Roy</i> , Kartic Bera, Honeyeh Irvani, Jean N. Namugize, Gokcen Uysal
Description	<p>The advances in remote sensing have brought considerable benefit to the field of hydrology, especially in areas where in situ measurements and observations are scarce. Satellite-based remote sensing data cover a wide range of variables (e.g., evapotranspiration, soil moisture, rainfall, snowmelt, land cover, flood extent) that are applicable to different types of hydrological investigations. This further accommodates the opportunity to conduct research on the intersection of hydrology with other disciplines, such as food security, forest fire, etc.</p> <p>This workshop aims to familiarize the participants with a range of satellite data and software products applicable to various hydrological investigations and demonstrate some of the latest applications of remote sensing in hydrology and hydrological modelling. There will also be a Q&A session at the end.</p> <p>Please note that pre-registration is not necessary. The course will be open to a limited number of participants selected on a first come-first served basis. In cooperation with the Young Hydrologic Society (http://younghs.com/).</p> <p>Invited panellists are:</p> <ul style="list-style-type: none"> ● Prof. María José Polo Gómez (University of Cordoba, Spain) ● Asst. Prof. Gökçen Uysal (Eskisehir Technical University, Turkey)