

Programme groups:

46 search results for "irstea"

MAL14/HS


[Henry Darcy Medal Lecture by Petra Döll](#)

Conveners: Elena Toth , Maria-Helena Ramos [Abstract](#) ★ | Thu, 11 Apr, 19:00–20:00 Room B

HS2.1.2

[Snow and ice accumulation, melt, and runoff generation in catchment hydrology: monitoring and modelling](#) ▶

Co-organized as CR3.11

Convener: Guillaume Thirel Co-conveners: Francesco Avanzi , Doris Duethmann , Abror Gafurov , Juraj Parajka [Orals](#) ★ | Tue, 09 Apr, 08:30–10:15, 10:45–12:30 Room 2.95[Posters](#) ★ | Attendance Tue, 09 Apr, 14:00–15:45 Hall ADM13/HS **ECS**

[Division meeting for Hydrological Sciences \(HS\)](#)


Conveners: Elena Toth , Maria-Helena Ramos 

★ Tue, 09 Apr, 12:45–13:45 Room B

HS1.2.1

[The Science-policy interface in hydrology – essentials for more impactful science](#) ▶

Co-organized as EOS8.2

Convener: Maria-Helena Ramos Co-conveners: Wouter Buytaert , Jutta Thielen-del Pozo , Elena Toth [Orals](#) ★ | Wed, 10 Apr, 14:00–15:45 Room C[Posters](#) ★ | Attendance Wed, 10 Apr, 16:15–18:00 Hall AMAL37/HS **ECS**

[HS Division Outstanding ECS Lecture by Serena Ceola](#)

Conveners: Elena Toth , Maria-Helena Ramos [Programme](#) ★ | Wed, 10 Apr, 14:00–14:30 Room B

MAL17/HS

[John Dalton Medal Lecture by Günter Blöschl](#)

Conveners: Elena Toth , Maria-Helena Ramos [Abstract](#) ★ | Tue, 09 Apr, 19:00–20:00 Room B

BG2.3

[Natural Disturbances in Forest Ecosystems: linking natural processes with human needs](#) ▶

Convener: Emanuele Lingua Co-conveners: Frédéric Berger , Alexandro B Leverkus , Raffaella Marzano , Tom Nagel [Orals](#) ★ | Fri, 12 Apr, 14:00–15:45 Room 2.31[Posters](#) ★ | Attendance Fri, 12 Apr, 10:45–12:30 Hall A

HS4.1.3


[Flash floods and associated hydro-geomorphic processes: observation, modelling and warning](#) ▶

Co-organized as NH1.32

Convener: Olivier Payrastra Co-conveners: Isabelle Braud , Jonathan Gourley , Marcel Hürlimann , Massimiliano Zappa [Orals](#) ★ | Thu, 11 Apr, 16:15–18:00 Room 2.25[Posters](#) ★ | Attendance Thu, 11 Apr, 14:00–15:45 Hall A

CR3.01 | PICO

[Snow avalanche formation and dynamics: from basic physical knowledge to avalanche detection and mitigation strategies](#) ▶

Convener: Alec van Herwijnen Co-conveners: Bernardino Chiaia , Thierry Faug , Jan-Thomas Fischer , Florence Naaim-Bouvet [PICOs](#) ★ | Tue, 09 Apr, 16:15–18:00 PICO spot 1


HS8.1.9 | PICO

[Hydrogeophysics: an tool for hydrology, ecology, agronomy and beyond](#) ▶

Convener: Ulrike Werban Co-conveners: Remi Clement , Sarah Garré , Philippe Leroy , Damien Jougnot [PICOs](#) ★ | Fri, 12 Apr, 14:00–15:45, 16:15–18:00 PICO spot 5bSC1.44 **ECS**

[Using R in Hydrology](#) ▶


Co-organized as HS12.5




Convener: Alexander Hurley Co-conveners: Lucy Barker , Louise Slater , Guillaume Thirel , Claudia Vitolo [Programme](#) ★ | Mon, 08 Apr, 16:15–18:00 Room -2.16

SSS2.5


[Control works and soil conservation techniques for watershed management and forest protection: effect evaluation and novel design criteria](#) ▶

Co-organized as GM7.12/HS11.67

Convener: Demetrio Antonio Zema 

Co-conveners: Manuel Esteban Lucas-Borja , Guillaume Piton , Yang Yu 


[Orals](#)  | Mon, 08 Apr, 14:00–15:45 Room -2.32

[Posters](#)  | Attendance Mon, 08 Apr, 16:15–18:00 Hall X1


HS5.4.2


[Hydropower and other renewable energy sources: Integration and Planning amid the Water-Energy Nexus](#) 

Co-organized as ERE2.9

Convener: Baptiste François 

Co-conveners: Benoit Hingray , E. Sauquet , Casey Brown , Emmanouil Anagnostou 

[Orals](#)  | Mon, 08 Apr, 16:15–18:00 Room C

[Posters](#)  | Attendance Mon, 08 Apr, 14:00–15:45 Hall A


HS1.1.2

[Frontiers in river flow monitoring: hydrologic extremes, complex flows, unstable sites, uncertainties](#) 

Convener: Nick Everard 

Co-conveners: Alexandre Hauet , Jérôme Le Coz 

[Orals](#)  | Mon, 08 Apr, 10:45–12:30 Room 2.44


[Posters](#)  | Attendance Mon, 08 Apr, 16:15–18:00 Hall A

HS2.2.3 | PICO

[Hydrological connectivity: linking surface and subsurface flow](#) 

Convener: Ilja van Meerveld 

Co-conveners: E. Sauquet , Luisa Hopp , Daniele Penna , Francesc Gallart 


[PICOs](#)  | Tue, 09 Apr, 14:00–15:45 PICO spot 5b


HS2.4.6

[Challenges understanding the links between hydrological variability and large-scale climate variations in a changing climate and environment](#) 

Convener: Bastien Dieppois 

Co-conveners: David Hannah , Nicolas Massei , Jean-Philippe Vidal 

[Orals](#)  | Wed, 10 Apr, 10:45–12:30 Room 2.25

[Posters](#)  | Attendance Wed, 10 Apr, 08:30–10:15 Hall A

EGU2019-15026 | PICOs | [HS2.2.3](#) 

[A catalogue of the representative European intermittent rivers](#)

Eric Sauquet, Ilja van Meerveld, Cath Sefton, Francesc Gallart, Gregor Laaha, Atila Bezdán, Kazimierz Banasik, Anna Maria De Girolamo, Tobias Gauster, Tzviatka Karagiozova, Jurate Kriauciuniene, Plamen Ninov, Marzena Osuch, Simon Parry, Agnieszka Rutkowska, and Ourania Tzoraki

Tue, 09 Apr, 14:22–14:24 PICO spot 5b

EGU2019-13826 | PICOs | [CR3.01](#) | [Highlight](#) 

[Avalanche impact force on a rigid wall in presence of a granular jump](#)

Thierry Faug

Tue, 09 Apr, 16:37–16:39 PICO spot 1

EGU2019-17202 | PICOs | [CR3.01](#) 

[18-years blowing snow data set from a high-elevation alpine site \(Col du Lac Blanc, France, 2720 m a.s.l.\)](#)

Florence Naaïm-Bouvet, Gilbert Guyomarc'h, Hervé Bellot, Vincent Vionnet, Yannick Deliot, Firmin Fontaine, Hugo Merzisen, Isabelle Gouttevin, and Mohamed Naaïm

Tue, 09 Apr, 16:27–16:29 PICO spot 1

EGU2019-10655 | PICOs | [CR3.01](#) | [Highlight](#) 

[Survey of snow avalanche interaction with retarding mounds at Taconnaz, French Alps](#)

Hervé Bellot, Thierry Faug, Florence Naaïm-Bouvet, Emmanuel Thibert, Firmin Fontaine, Frédéric Ousset, and Mohamed Naaïm

Tue, 09 Apr, 16:35–16:37 PICO spot 1

EGU2019-12316 | PICOs | [HS2.5.2](#) 

[Characterizing the memory of catchments: a large sample challenge?](#)

Vazken Andréassian

Wed, 10 Apr, 08:30–08:40 PICO spot 5b

EGU2019-5744 | Posters | [ESSI2.1](#) 

[Building the common data portal of the OZCAR French Critical Zone Observatories network: principles and first prototype](#)

Isabelle Braud, Charly Coussot, Véronique Chaffard, Patrick Juen, and Sylvie Galle

Thu, 11 Apr, 08:30–10:15 Hall X1

EGU2019-17024 | Orals | [HS10.8/BG6.5](#) 

[Tracking groundwater signature in the stream to characterize flow and denitrification in the aquifer](#)

Camille Vautier, Ronan Abhervé, Tamara Kolbe, Luca Guillaumot, Jean Marçais, Ben Abbott, Christophe Petton, Thierry Labasque, Eliot Chatton, Aurélie Guillou, Annet Laverman, Luc Aquilina, Gilles Pinay, and Jean-Raynald de Dreuzy

Mon, 08 Apr, 15:30–15:45 Room 2.15

EGU2019-15651 | Posters | [HS1.1.2](#) 

[The OURSIN method for computing the uncertainty of moving-boat ADCP discharge measurements](#)

Aurélien Despax, Gilles Pierrefeu, Grégoire Naudet, Jérôme Le Coz, Dave Mueller, Alexandre Hauet, Karine Delamarre, Elodie Dufeu, and Arnaud Belleville

Mon, 08 Apr, 16:15–18:00 Hall A

EGU2019-5722 | Posters | [HS1.1.2](#) 

[Improvements of LSPIV method and implementation in Fudaa-LSPIV software](#)

Guillaume Bodart, Alexandre Hauet, Jérôme Le Coz, Magali Jodeau, Jean-Baptiste Faure, and Bertrand Marchand

Mon, 08 Apr, 16:15–18:00 Hall A

EGU2019-13956 | Posters | [HS1.1.2](#) 

[Stage-discharge rating curve model including the effect of seasonal aquatic vegetation](#)

Emeline Perret, Jérôme Le Coz, Benjamin Renard, and Michel Lang

Mon, 08 Apr, 16:15–18:00 Hall A

EGU2019-4024 | Orals | [HS1.1.2](#) 

[A method to evaluate the hysteresis effect due to transient flow on rating curves: application to the French hydrometric station network](#)

Michel Lang, Emeline Perret, Jérôme Le Coz, and Benjamin Renard

Mon, 08 Apr, 11:00–11:15 Room 2.44

EGU2019-14977 | PICOs | [NH3.2/CL2.24](#) ★[Evaluation of future impacts of global change in mountainous areas with a novel multi-risk assessment web-tool](#)

Gilles Grandjean, Severine Bernardie, Loic Thomas, Anne Piuissant, Jean-Philippe Malet, Thomas Houet, Franck Bourrier, and Gilles Arnaud-Fassetta

Mon, 08 Apr, 08:30–08:32 PICO spot 1

EGU2019-13262 | PICOs | [HS1.2.7/EOS8.1/GM2.16](#) ★[airGRteaching: How an interactive visualization tool can help students evaluate the performance of a hydrological model and understand the role of its parameters](#)

Pierre Brigode, Olivier Delaigue, Guillaume Thirel, and Laurent Coron

Fri, 12 Apr, 10:57–10:59 PICO spot 5b

EGU2019-11553 | Posters | [CL4.30/AS4.47/CR1.13/HS11.22](#) ★[Evaluation of water resources of the Pyrenees in a context of climate change and adaptation strategies](#)Santiago Beguería, José Miguel Sánchez-Pérez, Iñaki Antigüedad, Yvan Caballero, Luis Javier Lambán, Pere Quintana-Seguí, Carmen Llasat, Cristina Pesado, Jean-Philippe Vidal, and Jorge Jódar and the [POCTEFA-PIRAGUA Team](#)

Tue, 09 Apr, 10:45–12:30 Hall X5

EGU2019-8309 | Posters | [BG2.3](#) | **Highlight** ★[Numerical evaluation of the forest protective role against rockfall after a windthrow: the case study of the Mt. Pore \(North-Eastern Italy\)](#)

Francesco Bettella, Paola Bolzon, Emanuele Lingua, Marco Piras, and Frédéric Berger

Fri, 12 Apr, 10:45–12:30 Hall A

EGU2019-2250 | Orals | [SSS2.5/GM7.12/HS11.67](#) ★[Open check dams: field inventory overview and feedback from the French experience](#)

Simon Carlados, Guillaume Piton, Mélanie Brachet, and Yann Quefféléan

Mon, 08 Apr, 15:30–15:45 Room -2.32

EGU2019-16150 | Orals | [HS7.5/NH1.20](#) ★[Towards real time assessment of flood risk damage : an application of the AIGA method in the south of France.](#)

Pierre Javelle, Clotilde Saint-Martin, Freddy Vinet, and Olivier Payrastre

Wed, 10 Apr, 15:15–15:30 Room 2.15

EGU2019-15788 | Orals | [NH9.4](#) ★[Cost-Benefit Analysis of individual adaptation to floods](#)

Claire Richert and Frédéric Grelot

Wed, 10 Apr, 09:00–09:15 Room L1

EGU2019-15153 | Posters | [HS4.1.3/NH1.32](#) ★[Sensitivity analysis for a flood and inundation mapping forecasting modelling chain](#)

Daniela Peredo Ramirez, Maria Helena Ramos, Vazken Andréassian, Ludovic Oudin, and Nicolas Le Moine

Thu, 11 Apr, 14:00–15:45 Hall A

EGU2019-14887 | Posters | [HS5.4.2/ERE2.9](#) ★ | OSPP: [volunteer to judge](#)[Using climate services to evaluate projected changes in the management and planning of hydropower production](#)

Anthony Lemoine, Maria-Helena Ramos, Guillaume Thirel, and Vazken Andréassian

Mon, 08 Apr, 14:00–15:45 Hall A

EGU2019-14475 | Posters | [HS4.1.1/NH1.31](#) ★[Drought severity characterization based on hydro-meteorological indices](#)

Lila Collet, Guillaume Thirel, Jean-Pierre Wagner, Joël Gailhard, Fabienne Rousset Regimbeau, and Jean-Philippe Vidal

Wed, 10 Apr, 14:00–15:45 Hall A

EGU2019-13608 | Posters | [GM1.4/CR2.9/GI4.12/GMPV7.1/HS11.55/NH4.6/SM1.4/SSS12.13](#) ★[Cross-sectional characterization of seismic response and bedload transport in an Alpine braided river](#)

Maarten Bakker, Florent Gimbert, Thomas Geay, Clément Misset, Sébastien Zanker, and Alain Recking

Mon, 08 Apr, 16:15–18:00 Hall X2

EGU2019-13002 | Posters | [HS2.4.6](#) ★ | OSPP: [volunteer to judge](#)[A 140-year ensemble streamflow reconstruction of over 662 catchments in France](#)

Alexandre Devers, Jean-Philippe Vidal, Claire Lauvernet, and Olivier Vannier

Wed, 10 Apr, 08:30–10:15 Hall A

EGU2019-12796 | Orals | [HS2.3.6](#) ★[A novel framework to characterize solute and sediment export regime and optimize their monitoring](#)

Florentina Moatar, Mathieu Floury, Benjamin Renard, Michel Meybeck, Jérémy Piffady, André Chandresris, Art Gold, Kelly Addy Lowder, and Gilles Pinay

Fri, 12 Apr, 14:15–14:30 Room 2.95

EGU2019-12685 | Posters | [HS1.2.1/EOS8.2](#) ★[Policy brief: making climate services impactful on hydropower reservoir optimization](#)

Maria-Helena Ramos, Andrea Castelletti, Manuel Pulido Velázquez, David Gustafsson, Matteo Giuliani, Hector Macian-Sorribes, Manon Cassagnole, Louise Crochemore, Ilias Pechlivanidis, and Guillaume Thirel

Wed, 10 Apr, 16:15–18:00 Hall A

EGU2019-10082 | Orals | [HS2.2.4](#) ★[Relating model failures to the variability of observed runoff ratio](#)

Paul Royer-Gaspard, Vazken Andréassian, Guillaume Thirel, and Charles Perrin

Fri, 12 Apr, 15:30–15:45 Room C

EGU2019-5583 | Orals | [HS2.2.4](#) ★[The difficult use of discharge transformations in efficiency criteria calculation](#)

Guillaume Thirel, Léonard Santos, Charles Perrin, and Olivier Delaigue

Fri, 12 Apr, 12:15–12:30 Room C

EGU2019-4219 | Posters | [HS2.2.4](#) ★

[Latest developments of the airGR rainfall-runoff modelling R-package: composite calibration/evaluation criterion and improved snow model to take into account satellite products](#)

Olivier Delaigue, Guillaume Thirel, and Philippe Riboust

Fri, 12 Apr, 08:30–10:15 Hall A

EGU2019-3278 | Posters | [HS2.2.4](#) ★

[Contribution of a parsimonious distributed conceptual model for low flow simulation](#)

Flinck Axel, Folton Nathalie, Arnaud Patrick, and Organde Didier

Fri, 12 Apr, 08:30–10:15 Hall A

EGU2019-8551 | Posters | [GM5.1/BG3.12/HS9.2.12](#) ★

[A new method to quantify the area impacted by sub-surface drainage network in wetlands.](#)

Henine Hocine, Chelil Samy, Vincent Bernard, and Tournebize Julien

Wed, 10 Apr, 08:30–10:15 Hall X2