



UNIVERSITÀ
DEGLI STUDI
FIRENZE

DAGRI
DEPARTMENT OF
AGRICULTURE, FOOD
ENVIRONMENT AND FORESTRY

Catchment Hydrology Day

University of Florence, DAGRI Department,
Aula Magna, piazzale delle Cascine 18,
Tuesday 12 November 2019

Preliminary program

11:00 - 11:15	Welcome: Daniele PENNA and Simone ORLANDINI (head of the DAGRI Dept., Univ. Florence).
11:15 - 12:45	First block of oral presentations.
12:45 - 13:45	Lunch break.
13:45 - 15:15	Second block of oral presentations.
15:15 - 15:30	Coffee break
15:30 - 16:00	Seminar by Jeff MCDONNELL (Global Institute for Water Security, Univ. Saskatchewan, Canada): <i>Which future for catchment hydrology?</i>
16:00 - 17:00	Round table: <i>Catchment functioning: are we missing anything?</i>
17:00	Closure of the Day

Participants:

Anam AMIN (Univ. Padua): *Global patterns of plant root water uptake from different soil depths.*

Giacomo BERTOLDI (EURAC Academy, Bozen-Bolzano): *The alpine Long Term Socio-Ecological Research Site IT25: Val Mazia/Matschertal–Italy: experiences and opportunities for catchment hydrology.*

Nicola BRESSAN (EURAC Academy, Bozen-Bolzano): *Spatial and temporal analysis of soil moisture patterns in an Alpine catchment.*

Luca BROCCA (CNR-IRPI Perugia): *Role of remote sensing for hydrological processes understanding at the catchment scale.*

Matteo CAMPORESE (Univ. Padua): *Simulating the response of intermittent catchments to varying rainfall frequencies with an integrated surface-subsurface hydrological model.*

Fabio CASTELLI (Univ. Florence): *TBA.*

Giulio CASTELLI (Univ. Florence): *An overview of hydrology and eco-hydrology of temporary streams in Italy.*

Albina CUOMO (Univ. Salerno): *Hydro-geochemical behaviour of a Mediterranean headwater catchment.*

Nicola DURIGHETTO (Univ. Padua): *Monitoring and modeling river network dynamics in the Valfredda catchment.*

Michael ENGEL (Free Univ. Bozen-Bolzano): *Tracer-based insights into high-elevation catchments: the Sulden study area in the Eastern Italian Alps.*

Alessandro ERRICO (Univ. Florence): *Monte Serra post-fire analysis: forest restoration dynamics, erosion control and hydrologic-hydraulic processes.*



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Ginevra FABIANI (Univ. Florence/ Luxembourg Institute of Science and Technology): *Where do trees take up water from? An isotope-base study along a hillslope.*

Stefano FERRARIS (Univ. Turin): *Grassland actual evapotranspiration at the Nivolet site (2600 m asl).*

Francesca MANCA DI VILLAHERMOSA (Univ. Florence): *Spatio-temporal variability of hillslope-scale soil moisture patterns in a mountain Mediterranean catchment.*

Christian MASSARI (CNR-IRPI Perugia): *Can we predict runoff without ground-based observations? Limits and potential of remote sensing based approaches to catchment hydrology.*

Riccardo RIGON (Univ. Trient): *Equivalences and differences between the hydrological dynamical systems of water budget, travel time and tracers concentration and the legacy of models' topology.*

Nunzio ROMANO (Univ. Naples): *The Alento Hydrological Observatory: monitoring and modeling activities across scales.*

Giulia ZUECCO (Univ. Padua): *How to determine the $\delta^2\text{H}$ - $\delta^{18}\text{O}$ relation? An application of different regression methods to various water types.*

Other participants (no presentation):

Sina ALAGHMAND (Monash Univ., Australia)

Marco BORGA (Univ. Padua)

Giorgio CASSIANI (Univ. Padua)

Francesco COMITI (Free Univ. Bozen-Bolzano)

Alberto MONTANARI (Univ. Bologna)

Massimiliano SCHIAVO (Univ. Milan)

People and students from Univ. Florence

There is no participation fee. Registration is still possible until Monday 21st October. To register, both as speaker and as listener, please write to: daniele.penna@unifi.it.