

## Important Dates

First notice and call for abstracts	April, 2012
Final abstract submission deadline	June 15, 2012
Notification of acceptance and preliminary programme	July 15, 2012

## Organization

The Conference is organized around oral and poster presentations. Perspective participants may submit abstracts to [eguleonardo@polito.it](mailto:eguleonardo@polito.it). Notification of abstract approval will be sent by e-mail by July 15th 2012. Proceedings will be published in a Special Issue of an EGU journal. Fee reduction and possible financial support is possible (see web site).

## International Scientific Committee

Joaquin Andreu	(Universidad Politecnica de Valencia, Spain)
Paolo D'Odorico	(University of Virginia, USA)
Giorgio Galeati	(ENEL, Italy)
Maria Lodovica Gullino	(President ISPP, Univ. of Torino, Italy)
Angela Gurnell	(Queen Mary Univ. London, UK)
Jim Hall	(University of Oxford, UK)
Demetris Koutsoyiannis	(Technical University of Athens, Greece)
Gero Michel	(Willis Re, UK)
Alberto Montanari	(University of Bologna, Italy)
Jaroslav Mysiak	(Fondazione Eni Enrico Mattei, Italy)
Philippe Quevauviller	(European Commission, Bruxelles, Belgium)
Renzo Rosso	(Politecnico di Milano, Italy)
Hubert Savenije	(TU Delft, The Netherlands)
Pieter van der Zaag	(Unesco IHE, Delft, The Netherlands)

## Organizing committee

Pierluigi Claps, Chair  
Luca Ridolfi  
Francesco Laio  
Davide Poggi  
Paola Allamano  
Daniele Ganora  
Alessandro Masoero  
Anna Botto



Venue: [www.circololettori.it](http://www.circololettori.it)

## Contacts

### Conference Chair:

Prof. Pierluigi Claps  
Department DIATI  
Politecnico di Torino,  
corso Duca degli Abruzzi 24,  
10129, Torino - Italy  
[pierluigi.claps@polito.it](mailto:pierluigi.claps@polito.it)

### General contact:

[eguleonardo@polito.it](mailto:eguleonardo@polito.it)  
**Info:** Alessandro Masoero,  
Anna Botto, Julia Winter  
Ph. +39 011 0905674  
Fax +39 011 0905698

## EGU Leonardo

# Topical Conference Series on the hydrological cycle 2012



# Hydrology and Society

Connections between Hydrology and  
**Population dynamics, Policy making  
and Power generation**

**14-16 November 2012**  
**Torino (Italy)**  
**Circolo dei Lettori**

Organization: Politecnico di Torino (DIATI)



and Consortium of Italian Universities for Hydrology (CINID)



Scientific and Organizing Patronages



Web: <http://eguleonardo2012.polito.it>

## Scope and Objectives

At the start of the third millennium, population pressure and changes in climate patterns are intensifying the water crisis in several regions of the world, where freshwater shortages and pollution are causing major problems for ecosystems and societies. Meanwhile, the increasing occurrence of flood disasters is also challenging the resilience of our societies to extreme hydrological events. Additionally, the increase in energy demand from new growing economies poses new challenges and opens new perspectives on the management of water resources. Hydrology will be increasingly called upon to propose solutions and interact with policy makers, particularly in the face of the climate variability. In the meantime, scientists around the world are becoming aware that the interaction between hydrology and societies is not sufficiently understood.

Research pathways can involve the water-human-ecosystem interactions and the economic implications of water-related productions, particularly those aiming at developing and sustaining food demand from areas with strong demographic pressure.

To address these goals, scientific international initiatives would gain greater impact if well connected to UN objectives, as those identified in the Hyogo Framework for Action (HFA) for the reduction of disaster losses.

The conference aims to bring together scientists, members of governmental institutions and professionals dealing with the impact of hydrologic processes on different aspects and domains experiencing societal pressure. Participation of representatives of natural, social, economical and engineering sciences is solicited, to encourage exchange of experiences and presentation of views on how the research in hydrology can better meet current and future societal needs.



## Conference Themes

Contributions are sought for presentations on state-of-the-art research and real-world case studies in water research, in particular related to the global change in climate, population dynamics, and water and energy availability. In particular, the following themes are proposed:

### Hydrology and Demographic pressure under global change

- Impact of societal adaptations and human induced land changes on catchment hydrology
- Water relevance in trade and agriculture in emerging countries
- Virtual water trade and food security
- Desertification and primary water requirements
- Open science (data and tools) for sustainable development

### Hydrology and water policies

- Opportunities and problems in the implementation of the international protocols and EU environmental legislation
- Water policies supporting agriculture and trade
- EU and international programs impact on the research in Hydrology
- Interplay between the EU and member states water regulations
- Economic policy instruments and regulations measures for water management

### Hydrology and Power availability for sustainable development

- Environmental sustainability and water conflicts related to hydropower
- Hydrological tools for assessing policies of hydropower efficiency
- Climatological implications in energy production from the sea
- Water-related energy issues in developed and emerging countries
- Water as an integrating element for renewable energies

Cross-Cutting Theme, in collaboration with the Kulturisk Project:  
**Governance of Water-related Risks**

