

Dear colleagues,

We would like to invite you to participate in the special session "DROUGHT and WATER SCARCITY" of the upcoming 13th International Conference on Environmental Science and Technology, which will be held in Athens-Greece, 5-7 September 2013.

Session title: DROUGHT and WATER

Session outline:

Droughts and are increasingly being observed. There is evidence that in many European regions summer low flows have decreased and occur earlier in the season. In vast areas droughts will likely increase due to global change. This alarming observational evidence has to be put in the context of water scarcity that also is reported in many regions. Drought describes a natural hazard due to climate variability, whereas water scarcity is related to the long-term unsustainable use of water resources. Current drought and water scarcity conditions and projected developments require innovative hydrological monitoring, forecasting (month, season) and prediction (intermediate and far future) approaches to assess availability and quality of water resources and their associated socio-economic and environmental impacts. Although drought and water scarcity are fundamentally different (natural versus human-induced causes), these activities need to consider that they are closely linked and careful attention needs to be paid to the complex interrelationships, incl. the feedbacks between these two phenomena. This demands for increased knowledge and skills on comprehensive hydrological observational-modelling frameworks that are supported with data on past and projected land and water use changes.

The session will address combined monitoring-modelling techniques that aim at monitoring, forecasting and prediction of hydrometeorological variables that drive drought and drought/water scarcity conditions. The session brings together scientists in the fields of hydrology and meteorology, water resources management and stakeholders interested in monitoring, modelling forecasting and prediction of the interrelationships between drought and water scarcity and their hydrological impacts. Particularly welcome are real-world case studies.

The deadline for abstract submissions is 1st November 2013.

Instructions to the authors for abstracts can be found at:
<http://cest2013.gnest.org/index.php?q=node/36>

Registration and abstract submission through:
<http://cest2013.gnest.org/index.php?q=user/register>

We are at your disposal for any further information.

Best regards,

Henny A.J. van Lanen, Wageningen University (henny.vanlanen@wsur.nl)
Athanasios Loukas, University of Thessaly (aloukas@civ.uth.gr)