


[\[Back\]](#)

Poster Programme HS6.4

Catchment hydrology and remote sensing: parameter retrieval and integration with models

Convener: Guy J.-P. Schumann Co-Conveners: Florian Pappenberger , Patrick Matgen , Giuliano Di Baldassarre [Session Details](#) [Oral Programme](#)[Add](#) Session to Personal Programme**Display Time: Tuesday, 05 Apr 08:00–19:30**

Attendance Time: Tuesday, 05 Apr 17:30–19:00

Hall A

Chairperson: Giuliano Di Baldassarre

A357 EGU2011-572

**Abdollah Asadzadeh Jarihani** and John Nikolaus Callow

Development and calibration of hydraulic models using GIS and remotely sensed data

A358 EGU2011-1089

**Alka Singh**, Florian Seitz, Christian Schwadke, Michael Schmidt, and Andreas Güntner

Changing hydrology of the Aral Sea: Results from satellite altimetry, GRACE satellite gravimetry and hydrological modeling

A359 EGU2011-3022

**Sven Borchardt** and Martin H. Trauth

Estimation of actual evapotranspiration using remote sensing data for lake-balance modeling in the Suguta Valley, northern Kenya Rift

A360 EGU2011-3072

**Sylvia Vetter**, David Schaffrath, and Christian Bernhofer

Spatial Simulation of evapotranspiration of semi-arid Inner Mongolian grassland based on MODIS and eddy covariance data

A361 EGU2011-5170










**Konstantinos Andreadis**, Matthew Mersel, Laurence Smith, Michael Durand, and Doug Alsdorf

Hydraulic Geometry Constraints for the Assimilation of SWOT Satellite Observations

A362 EGU2011-5371

**Kevin Fleming**, Joseph Awange, Addisu Hunehaw, Oli Baur, Bernhard Heck, and Ehsan Forootan

Monitoring the waters of the Nile Basin from space

- A363 EGU2011-5694
 **Giuliano Di Baldassarre**, Guy Schumann, Dimitri Solomatine, Yan Kun, and Paul Bates
Can we map floodplains globally?
- A364 EGU2011-6433
 **Mohsin Hafeez**, Umair Rabbani, and Yann Chemin
A New Remote Sensing Based ET Algorithm for Estimation of Crop Water Use in Australia
- A365 EGU2011-6719
 **Nikola Zlatanović**, Irina Milovanović, and Jelena Čotrić
Comparison of automated watershed characteristics extraction using SRTM DEM data vs. traditional methods.
- A366 EGU2011-9746
 **Lia Ramos Fernández** and Félix Francés García
Usefulness of rainfall estimated by remote sensing in hydrologic modeling applied to river basin Júcar in Spain
- A367 EGU2011-10235
 **Jeffrey Neal**, Guy Schumann, Paul Bates, and David Mason
Estimating river discharge and identifying model errors during the UK summer 2007 flooding using remote sensing and data assimilation
- A368 EGU2011-10351
 **Michael Vetter**, Christine Gschöpf, Bernhard Höfle, Markus Hollaus, Werner Mücke, Norbert Pfeifer, Günter Blöschl, and Wolfgang Wagner
Manning's n determination using vertical vegetation structure based on dense airborne laser scanning data
- A369 **EGU2011-10996**
 **Ron Abileah**, Stefano Vignudelli, and **Andrea Scozzari**
On Combining Landsat Imagery and Radar Altimetry To Estimate Reservoirs Water Volume: Case-Study of Lake Nasser (Egypt)
- A370 EGU2011-12660
 **Luz Adriana Cuartas**, Laura De Simone Borma, Daniel Andrés Rodríguez, Antonio Donato Nobre, Maria Cecília Prado, José Lázaro Siqueira Jr., and Javier Tomasella
Distributed Macro-scale Hydrological Modeling in Rainforest Catchments in Amazonia using the HAND Model
- A371 EGU2011-12828
 **Andrea Gioia**, Anna Balenzano, Vito Gigante, Vito Iacobellis, Salvatore Manfreda, Francesco Mattia, and Giovanni Satalino
Use of land cover and vegetation indexes from remote sensing data in the hydrological water balance modelling