



2nd Announcement and Call for Papers

International Workshop on

Status and Perspectives of Hydrology in Small Basins

On the occasion of 60 years of hydrological
measurements in the Bramke research basins
in the Upper Harz Mountains, Germany

*Goslar-Hahnenklee, Federal Republic of
Germany*

30 March-2 April 2009

convened jointly by

the Technical University of Braunschweig (TUBS), Germany
the National Committee of Germany for the International
Hydrological Programme (IHP) of UNESCO and the
Hydrology and Water Resources Programme (HWRP) of
WMO

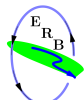


in cooperation with

the Northern European FRIEND Project 5 (NE FRIEND 5)
the Alpine and Mediterranean Hydrology FRIEND AMHY
the Euromediterranean Network of Experimental and
Representative Basins (ERB)
the IAHS Predictions in Ungauged Basins (PUB) Initiative

organised jointly with

UNESCO/IHP and WMO in cooperation with IAHS and
Fachgemeinschaft Hydrologische Wissenschaften



Hydrologische Wissenschaften
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Venue

Venue of the conference will be a conference hotel in
Goslar-Hahnenklee in the Harz Mountains. Goslar has a
direct train connection to Hannover or Braunschweig. From
Goslar to Hahnenklee a public bus connection is on service.
Travellers from abroad will arrive by air at Frankfurt or
Hannover Airport.

Background of the Workshop

In 1948, four small research basins in the Upper Harz
Mountains were equipped with instruments under extremely
difficult financial and logistic conditions. Deeply committed
researchers from the forestry administration and the
Research Centre of Hydrology (today Federal Institute of
Hydrology) concentrated *ab initio* on questions of forest
hydrology. In the following decades however, miscellaneous
research projects were implemented in these basins, in
particular in the Lange Bramke basin. In November 2009 it
will hence own discharge data series of 60 years conjointly
recorded by various institutes and agencies.

Similarly, numerous small basins in many countries are
monitored as to various research aspects. These
investigations have contributed to the achievement of
objectives published by IHD and IHP. The announced
workshop is a follow-up to UNESCO IHP-V Project 2.4
*Comprehensive assessment of the surficial ecohydrological
processes*, Phase VI, Theme 3 *Land Habitat Hydrology*, and
Phase VII Theme 3 *Ecohydrology for Sustainability*.

Within the framework of IHP, small basin research in
Europe is implemented in the IHP-FRIEND cross-cutting
component, especially in the Northern European FRIEND
Project 5 *Catchment Hydrological and Biogeochemical
Processes in a Changing Environment*, and FRIEND AMHY.
Additionally, European FRIEND research groups are linked
within the scope of the Euromediterranean basin network
ERB, and under the IAHS PUB initiative.

Continuously operating small hydrological research basins
has often proven difficult in times of limited resources.
However, long-term monitoring in hydrological research
has reached a new rating due to the expected global
warming impacts on water balances and availability, and
consequently on environments and societies. Process
studies and the integration of hydrological research
findings from small study basins with their well-defined
boundary conditions into model development may also
gain in importance. With the recent Pan-European
implementation of the Bachelor/Master Degree new tasks
are expected to arise in capacity building.

The workshop will hence serve as a platform to assess the
aspects connected with the questions "*Where do we
stand?*" and "*What are we heading for?*" in the field of
operation and research in small hydrological basins.

The Workshop addresses, besides researchers working in
small hydrological basins, extension or consulting services
and administrative bodies covering hydrological and water
management aspects to elaborate recommendations for
future research and operation of small basins.

Objectives and Key Aspects of the Workshop

The workshop primarily aims at highlighting the overall
hydrological research results and benefits to hydrology
derived from work in small basins. Based on these
deliverables, activities shall focus on questions concerning
the need for further operation of small research basins and
their role in meeting future challenges in hydrological
research.

The workshop will comprise paper and poster presentations
with discussion of the results in plenary sessions as well as
working group activities. Working groups will be set up at
the beginning of the workshop. All workshop participants
will be invited to join a working group.

The workshop will be topically arranged in two parts:

1. Achievements and State of the Art

Papers and posters with oral presentations

- 1.1 Presently operated small hydrological research basins (key note);
- 1.2 Fundamental hydrological research results drawn from studies in/the operation of small basins;
- 1.3 Hydrological processes knowledge drawn from studies in/the operation of small basins;
- 1.4 Importance of hydrological data and results from small basins for hydrological modelling (i.e. regionalisation, forecast of water balances e.g. due to changes in land use and of physical processes from changing water fluxes, high/low flow forecast).

2. Heading for Knowledge

Working groups with introductory papers

- 2.1 Concepts and strategies for future research in small basins (key note);
- 2.2 Research on hydrological processes: Which achievements are expected from research in small basins in the coming decades?
- 2.3 Which contribution to the monitoring and understanding of changes in physical processes, water fluxes, water balance and global warming effects is expected from hydrological small basin research?
- 2.4 Research in small study basins: What may be the scientific contribution to the PUB initiative and what is expected *vice versa*?
- 2.5 Do we need research results from small basins for the further development of mathematical hydrological models?
- 2.6 What future contribution to capacity building of specialists and researchers is expected from operating small study basins?

The main outcomes of the workshop will be included in a special Braunschweig Declaration that will point out future demands and challenges for scientific activity in the field of small-scale hydrology at the basin scale.

The Declaration is meant to address scientists, professionals, stakeholders and policy makers as well as last but not least potential donors and invite them to start, continue or renew their support of research in small study basins and their maintenance.

Language, Proceedings and Publications

The working language of the workshop will be English.

Extended abstracts of papers and posters will be pre-published for distribution at the workshop. The workshop proceedings will be post-published in the IAHS Red Book series.

Tentative Time Schedule

Monday, 30 March 2009

Morning	Arrival, registration
Afternoon	Part 1: Paper and poster sessions
Evening	Reception

Tuesday, 31 March 2009

Morning	Part 1 cont.: Paper and poster sessions
Afternoon	Part 2: Working groups

Wednesday, 1 April 2009

Morning	Part 2 cont.: Working groups
Afternoon	Field trip
Evening	Workshop dinner

Thursday, 2 April 2009

Morning	Presentation and discussion of working group results in plenum
	Adoption of Braunschweig Declaration

Field Trip

The scientific field trip will go to the Lange Bramke research basin. It will be complemented by questions of historical and present-day water management in the Harz Mountains. A guided walk through the old town and UNESCO world heritage of Goslar will be concluded by the workshop dinner where Harz gastronomic specialities will be served.

Registration Fee

The registration fee will amount to € 145 (including volume of abstracts, workshop proceedings, excursion and workshop dinner).

Accommodation and Meals

Participants will be accommodated full board for the duration of the workshop at a rate of € 255,-(three nights) in the conference hotel. Extension of stay is possible at a rate of € 49,- pP/ night incl. Breakfast.

(<http://www.hahnenkleerhof.harz.de>)

Call for Papers/Posters

It will be possible to present papers and posters. Posters informing about current research in small basins are especially welcome. Authors of posters will be given the opportunity to introduce their posters briefly to the audience before the poster session.

Scientists are invited to pre-register and submit an abstract in WORD (Times New Roman 12pt., single-spaced, maximum one page) including title, author(s) name(s) and affiliation before 17.10.2008 electronically via internet (www.ws.small-hydro-basins.org/) or e-mail to the organisers: abstracts@small-hydro-basins.org. Notification of acceptance will be given within two months after this date with an invitation to submit a revised and extended abstract of up to three A4 pages by 31.01.2009 for inclusion in the volume of abstracts, and to register for the workshop. Full papers including poster papers must be submitted after the Workshop by 30.05.2009 at the latest.

Participation in the Workshop and Pre-registration

The number of workshop participants is limited to 50.

Potential workshop participants are invited to express their interest by pre-registering on-line via homepage (www.ws.small-hydro-basins.org) or by sending an e-mail to pre-registration@small-hydro-basins.org. Final registration will only be possible at the organisers' invitation.

Homepage of the Workshop

www.ws.small-hydro-basins.org

Important Dates

17.10.2008	Submission of abstracts
30.11.2008	Notification of acceptance of abstracts
31.01.2009	Submission of extended abstracts
30.03 - 02.04.2009	Workshop
30.05.2009	Submission of full papers
Autumn 2009	Delivery of Workshop proceedings

Communication

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