



# IAHS Newsletter

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Dear IAHS members,

In the years between our scientific and general assemblies, conferences and other events organized by the IAHS Commissions form much of the Association's activities and 2014 is no exception: after the June ICWRS and the August ICRS conferences in, respectively, Bologna, Italy, and Guangzhou, China, the ICSH and the ICCE ones are approaching, in Abu Dhabi, UAE this week and in New Orleans, USA, next month. Key events have also been co-organized with our main partners from the United Nations system: with UNESCO the Kovacs Colloquium on Water Security in June in Paris, France, plus the World FRIEND-Water Conference in Montpellier, France, in October, and with WMO the 3<sup>rd</sup> WMO-IAHR-IAHS course on Stream Gauging in Hanoi, Viet Nam, in September. Red Books relating to three of these events are detailed in this Newsletter.

The Panta Rhei decade has been developing well through these events, and through the setting up of an impressive set of working groups.

These activities, events and publications are proof of the very active and dynamic community that is IAHS in terms of scientific production, facilitation and communication. The recent agreement between IAHS and Copernicus provides a new framework for future events and publications, which will help with the logistics of meetings and, more important for most of us, enables the switching of the Red Book series – the oldest publication series in our discipline – to an e-journal.

Partnerships with UNESCO and WMO, and more generally UN Water, are very active beyond the events listed above, with strongly bilateral – often triangular – cooperation and future events already in preparation.

Our second circle of cooperation is the one connecting scientific associations and unions. We have permanent relationships with IAHR and IAH, as manifested in the panel of the last Kovacs colloquium; and with AGU and EGU, with regular co-convened sessions and participation across our respective assemblies and events. The most important cooperation is with our parent Union, IUGG – the International Union of Geodesy and Geophysics, and our seven sister associations therein, as well as the ICSU umbrella. After the joint IAHS-IAPSO-IASPEI scientific assembly held in Gothenburg, Sweden, in 2013 – from which a Red book titled *Complex Interfaces Under Change: Sea – River – Groundwater – Lake* will soon be published – the XXVIth IUGG General Assembly to be held in Prague, Czech Republic, 22 June–2 July 2015 is fast approaching. The scientific programme covers the wide range of our discipline and interfaces with other geosciences. Major deadlines are:

- 16 November 2014 for abstracts for the three pre-published symposia on *Extreme hydrological events* (JH1) on *Changes in flood risk and perception in catchments and cities* (HS1), and on *Hydrologic non-stationarity and extrapolating models to predict the future* (HS2);
- 15 January 2015 for grant applications;
- 31 January 2015 for the general submissions;

- 10 April 2015 for early-bird registration.

The exact schedule is not known yet, but the IAHS activities will be grouped during the first week of the Assembly.

Elections of new officers of IAHS and of the IAHS Commissions will take place during the Prague Assembly. The Electors are the National Representatives of countries that are IUGG members. Hydrologists who are citizens of, or working in IUGG member countries are eligible for election to office. Candidacies have to go through National Representatives to reach the Nomination Panels by 21st December 2014. The Statutes and Bye-Laws regulating the procedure are available online, as well as the list of actual officers and National Representatives (and correspondents for non-IUGG member countries).

Please feel free to join the IAHS activities, get in contact with myself and any officer, and forward this newsletter to potential members – membership is free and easy to activate online.

Many of you will have communicated with, and may have met, Penny Perrins, who left IAHS Press to take up another research-publishing post in July. Penny worked with IAHS Press for more than 11 years as production editor for numerous Red Books, and latterly was also responsible for the IAHS website and social media. She was a great member of the team and we thank her for her contribution and wish her well in her new role.

Christophe Cudennec  
(IAHS Secretary General)

## [IAHS scientific programme at IUGG2015 in Prague June 2015](#)

2015 IAHS Assembly at IUGG2015 to be held in Prague, Czech Republic from 22 June to 2 July 2015. IAHS events will take place during the first week of the proceedings.



IAHS are organising [two symposia and 18 workshops](#):

- HS01 Changes in Flood Risk and Perception in Catchments and Cities;
- HS02 Hydrologic Non-Stationarity and Extrapolating Models to Predict the Future and Workshops HW01 - HW18.

We are also organising [joint symposia](#) with other IUGG Associations:

- JH1 Extreme Hydrological Events and
- JH3 Assessment of Climate and Anthropogenic Changes Impacts on the Terrestrial Hydrosphere.

Entire papers will be pre-published for symposia HS01, HS02 and JH1.

When	22 June - 2 July 2015
Where	Prague Congress Centre, Prague, Czech Republic
Website	<u><a href="http://www.iugg2015prague.com">www.iugg2015prague.com</a></u>
Abstract submission deadline HS01, HS02, JH1	16 November 2014
Abstract submission deadline JH3, HW01-HW18	31 January 2015

You can review these '[at a glance](#)' in our pdf file or you can easily print the full description of each session from our [sessions list](#) both on the IAHS website (<http://iahs.info/>).

## [IUGG Early Career Scientist Award and STAHY Best Paper Award 2014](#)

### **Our congratulations go to the recipients of the IUGG Early Career Scientist Award and the STAHY Best Paper Award.**

On 5th November 2014 ten scientists were awarded the Early Career Scientist Awards of the International Union of Geodesy and Geophysics (IUGG) for their outstanding research in Earth and space sciences and for their international research cooperation. The Hydrology prize went to Markus Hrachowitz (The Netherlands). For full details read the [IUGG news release](#) ([http://www.iugg.org/publications/special/News\\_release\\_IUGG\\_ECSEawardees.pdf](http://www.iugg.org/publications/special/News_release_IUGG_ECSEawardees.pdf)).

IUGG will formally recognize the Awardees at the Opening Ceremony of the XXVI General Assembly of IUGG in Prague, Czech Republic.

### **The STAHY Best Paper Award 2014 is awarded to:**

Ludovic Oudin, University Pierre et Marie Curie, Paris,  
Alison Kay, Centre for Ecology and Hydrology, Wallingford, UK,  
Vazken Andréassian, Irstea, Antony, France,  
Charles Perrin, Irstea, Antony, France

For the paper:

Oudin L., Kay A., Andraassian V., Perrin C. Are seemingly physically similar catchments truly hydrologically similar? *Water Resources Research*. 46 (11) 2010.

The recipient of the STAHY Best Paper award 2014 will be keynote speaker at the STAHY'14 Workshop, Abu Dhabi, November 2014.

For further details including the list of eligible papers, visit the STAHY website.

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## [7th FRIEND-Water Conference Proceedings now available](#)

### **Hydrology in a Changing World: Environmental and Human Dimensions**

IAHS Publ 363 (edited by Trevor M. Daniell et al.) is the reviewed proceedings of the 7th World FRIEND-Water Conference held in France in October 2014.

FRIEND-Water (Flow Regimes from International and Experimental Network Data) is an international collaborative research initiative under the umbrella of UNESCO's International Hydrological Programme (IHP); it facilitates understanding about how climate, river basin and human factors influence the spatial and temporal distribution of water.

The 75 contributions in this volume share knowledge on changes in hydrological processes and their impacts, including ecological flows, erosion and sedimentation, and the development of adaptable water management and water policies to account for these impacts, as well as changes in the frequency and variability of floods and droughts due to a variety of factors.

The book is available to purchase from IAHS ([info@iahs.co.uk](mailto:info@iahs.co.uk)) and through the IAHS website (<http://iahs.info/>). The abstracts to all papers can be viewed and printed.

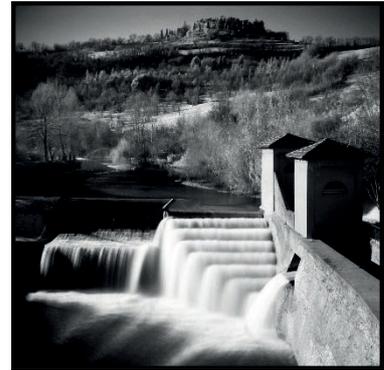
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## [Evolving Water Resources Systems: IAHS Publ 364, now available](#)

### **EVOLVING WATER RESOURCES SYSTEMS: UNDERSTANDING, PREDICTING AND MANAGING WATER– SOCIETY INTERACTIONS**

Proceedings of the recent ICWRS2014 meeting held in Bologna, Italy

Available both online open access as *PIAHS* vol. 364, and to purchase as a Red Book, vol. 364



**Editors: Attilio Castellarin, Serena Ceola, Elena Toth & Alberto Montanari**

IAHS Publ. 364 (2014) ISBN 978-1-907161-42-1, 548 + xii pp.

A selection of 89 peer-reviewed papers by research groups active in 31 different countries in five continents addressing topics associated with water resources assessment and management in a changing environment, and particularly the two-way interaction between water and society, the focus of the Panta Rhei IAHS research initiative (<http://www.iahs.info/pantarhei>). Water resources systems, catchment hydrology, eco-hydrology, groundwater hydrology, water security and socio-hydrology are driving scientific areas, which are covered.

This collection provides knowledge for advancing our understanding of water–society interactions, improving integrated water resources systems management and governance, and addressing the water problems for the next generations.

Content available online as [PIAHS vol. 364](#), and to purchase from IAHS ([info@iahs.co.uk](mailto:info@iahs.co.uk)) or via the IAHS website (<http://iahs.info/>).

### [Red Books in press - 365 and 367](#)

Red Books in press – Available from IAHS in December 2014.

#### **IAHS Publ. 365**

Complex Interfaces Under Change: Sea – River – Groundwater – Lake C. Cudennec, *et al.*

Selected papers from two symposia titled: Land–Ocean Interaction – Hydrodynamics and Biogeochemistry, and Implications of Sea Level Change for the Coastal Zone held at the IAHS-IAPSO-IASPEI meeting in Gothenburg last year.

#### **IAHS Publ. 367**

Sediment Dynamics from the Summit to the Sea X. Jun Xu, *et al.*

The pre-published proceedings of ICCE2014 which takes place in New Orleans, 11–13 December this year. The volume reports the latest research progress on topics from hillslope and channel erosion to riverine sediment transport, sediment-associated contamination and pollution, and sediment dynamics in coastal systems.

## [IAHS Red Books transition to an open-access online journal](#)

IAHS is pleased to launch the online open-access continuation of the IAHS Red Book series. The new proceedings journal, *Proceedings of the International Association of Hydrological Sciences*, or *PIAHS*, is published by Copernicus Publications on behalf of IAHS. The Editor-in-Chief is Christophe Cudennec, the IAHS Secretary General. (<http://www.proceedings-international-association-of-hydrological-sciences.net/home.html>)

This change means that future papers published in the IAHS proceedings journal will be free to view/download, and so visible to a worldwide audience. The metadata for each paper will be available to indexing organisations and citations will be recorded. Print copies of *PIAHS* volumes will be available to order. You can already view *PIAHS* as the proceedings of ICWRS2014, *Evolving Water Resources Systems: Predicting and Managing Water–Society Interactions* – is now available as [PIAHS](#) vol. 364.

From 2015, all future IAHS conference proceedings will be published by Copernicus Publications as volumes in *PIAHS*. The first volumes to be so published will be of papers selected for three IAHS symposia at IUGG2015: JS1, HS1 and HS2.

Papers will be published in *PIAHS* by invitation only after selection and review of abstracts/papers submitted for presentation at an IAHS event. Anyone wishing to submit a paper to *PIAHS* should arrange to present a paper at a forthcoming IAHS event (see the [IAHS Calendar](#) on the [iahs.info](http://iahs.info) website). Suggestions for topics for IAHS events should be made to officers of the IAHS Bureau, Commissions or Working Groups.

As with other open-access journals, it will be necessary for authors to pay for publication of their paper. Depending on the event the volume is associated with, this may be incorporated into the registration fee for the event, or direct payment to Copernicus Publications may be necessary. Copernicus's online publication fees are low compared to other publishers; IAHS/event organizers may subsidize costs for authors from financially-disadvantaged countries.

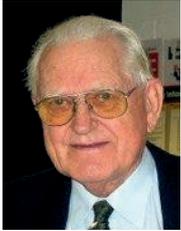
For now, the backfile of earlier IAHS Red Books/proceedings volumes will remain at the [IAHS website](#); abstracts of papers in all recent volumes are available, and PDFs of the full papers in volumes 1–318 are free to view/download. Uploading of full papers of more recent volumes will continue and eventually all will be freely available online.

*“Publishing our Red Books open access will give our members and conference participants more exposure and access to the international hydrological community. I am very pleased with the agreement that we signed with Copernicus, which marks the beginning of a new open access publication policy of IAHS. Through our cooperation with Copernicus, not only will the open access publications of our Red Books be more visible and accessible, but the organization of our conferences will also become more uniform, more efficient and professional. We look forward to a very fruitful and lasting cooperation with Copernicus”* comments Hubert Savenije, President of IAHS.

*“This new collaboration with IAHS provides us with the opportunity to serve this lively scientific community with our wide array of services in the best way possible,”* says Martin Rasmussen, Managing Director of Copernicus.org. *“We are proud that we can assist IAHS in the work they do for their scientists.”*

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## [In Memoriam, Dr Jim McCulloch](#)



It is with great sadness that we report the recent death of Jim McCulloch.

Dr J S G McCulloch (Jim), internationally recognized as a leader in developing the science of hydrology and strong supporter of the International Association of Hydrological Sciences, died on 15 September after a long illness, aged 86.

Jim McCulloch became head of the Hydrological Research Unit in 1964. Under his benign leadership, this small unit developed over the next 25 years to become an Institute of Hydrology with a total of 150 staff and to form an outstanding research institute of the Natural Environment Research Council. When Jim McCulloch retired, "IH" had a world-wide reputation for excellence in hydrological research and was a mecca for visiting hydrologists and water resources experts from all over the English-speaking world, Europe, Africa and South America. From IH's earliest days, Jim gave a home to the IAHS Press.

Jim McCulloch's efforts in hydrological science continued long after his retirement as Director of IH. Having pressed for full recognition by the European Geophysical Society, EGS, of the importance of hydrology in many fields of scientific endeavour, he became founding editor of the EGU journal *Hydrology and Earth System Sciences*, HESS, setting high standards for reviewing and editing of papers concerned with all aspects of water science and its relevance to all human activity. He was also a founding member of the British Hydrological Society. The warmth, idiosyncracies and sometimes maddening digressions of this remarkable man will be remembered with affection by hydrologists the world over.

The full obituary by Robin T Clarke is available on the IAHS website.

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## [In Memoriam, Professor Mike Bonell](#)

It was with deep regret that the international community of hydrologists learned of the death of Mike Bonell.

Mike was a man of many parts, one part being his allegiance and affinity to IAHS. Perhaps overshadowed by his activities in UNESCO for the International Hydrology Programme (IHP) and with the Dundee Centre, Mike nevertheless made a considerable contribution to the Association. His role in the organization of the joint IAHS/IHP Kovacs Colloquiums was one of these contributions but there were others, particularly promoting the FRIEND Project with IAHS over a number of Phases of the IHP. This was paralleled by his involvement in HELP. But Mike was also a prolific author, many papers carry his name and he was the editor and joint editor of a number of Red Books. One of his areas of concern was the humid tropics, following his sojourn in Queensland before joining the Division of Water Sciences in 1992, while catchment hydrology was another.

Mike was a very likeable and approachable person: he was always willing to have a chat. With his Aussie background his accent was often mistaken for an Australian one, but in fact it was a largely Yorkshire twang. And, of course, he usually came straight to the point. We shall miss him!

John Rodda

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## [ICCE/IAHS 2014 Symposium in New Orleans 11-14 December 2014](#)

The International Symposium on [Sediment Dynamics: From the Summit to the Sea](#) is part of a series of symposia organized under auspices of The International Commission on Continental Erosion (ICCE), which is one of ten commissions of the International Association of Hydrological Sciences (IAHS). It will be held in New Orleans, USA from 11-14 December 2014.

The Schedules for the Oral Presentations and Poster sessions are now available. The schedules are subject to minor changes.

[Complete Symposium Agenda and Schedule](http://www.rnr.lsu.edu/icce2014/schedule.htm) – (<http://www.rnr.lsu.edu/icce2014/schedule.htm>)

[Poster Presentation Schedule](http://www.rnr.lsu.edu/icce2014/posters.htm) – (<http://www.rnr.lsu.edu/icce2014/posters.htm>)

## [Natural resources and water management for African researchers December 2-22, 2014 in New Delhi](#)

Natural resources and water management course for African researchers from December 2-22, 2014 in New Delhi.

Organised by Department of Science and Technology (DST) and Ministry of External Affairs along with Jawaharlal Nehru University (JNU), New Delhi.

The 3 weeks training course is for about 30 mid career researchers, engineers and scientist from African countries with master's degree in Earth sciences or related subjects, environmental sciences/ engineering and water / sciences/engineering (including hydrology/ hydrogeology). Govt. of India will be sponsoring for travel, boarding and lodging of the selected participants. A brochure of the training programme is available. DST would be providing return air fare, boarding – lodging and course fee to selected participants.

The filled in applications should be sent through Indian Mission in Africa to following address under intimation to Dr. Sulakshana Jain, Scientist C, DST , email [jain.s@nic.in](mailto:jain.s@nic.in)

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The last date for the nominations will be November 24, 2014.



[www.iahs.info](http://www.iahs.info)

## International Association of Hydrological Sciences Association Internationale des Sciences Hydrologiques

### **Officers of IAHS, 2011–2015** (unless indicated otherwise)

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T. WAGENER, UK  
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**Treasurer:** C. A. ONSTAD, USA

### **Contacting IAHS and the Commissions**

Information about all aspects of IAHS is available from the IAHS web site: [www.iahs.info](http://www.iahs.info) or:

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