

**IAHR/IWA Joint Committee on Urban Drainage**  
**Draft Meeting Agenda (Version Sep. 2, 2014)**

Date & Time: Sunday, Sep. 7, 2014, 10 a.m. – 4 p.m.; Kuching, Sarawak, Malaysia, Venue: Riverside  
Majestic Hotel ( [www.riversidemajestic.com](http://www.riversidemajestic.com) ), Meeting Suites 1-3

1. Welcome by David Butler (DB)
2. Introduction of the new chairman
3. Introduction of the recently elected new JC members (Hiafeng Jia and David McCarthy)
4. Review of the JC meeting minutes from Lyon 2013 (all)
5. Review of the memberships (prepared by JM)
6. Update on the 2014 call and future calls for new JC members
7. Working Group Reports (WG represented at the meeting will present reports orally; The received WG annual reports are attached)
8. Report on the JC account (Neil Armitage)
9. Search for a new treasurer
10. Report on JC newsletters (prepared by JM)
11. Report on journals linked to the JCUD:
  - Urban Water Journal (DB)
  - Report on UD papers in Wat. Sci. Tech. (Karsten Arnbjerg-Nielsen, James Ball, Slobodan Djordjevic, Gabriele Freni, Fumiyuki Nakajima, and Zhiguo Yuan)
12. Report on IAHR activities (JM)
13. Reports on special JC projects:
  - Stormwater terminology paper (Tim Fletcher)
  - JC website (Jeroen Langeveld)
  - Urban Drainage Email List (Manfred Schütze)
14. Linkages to other IWA Specialist Groups and emerging clusters (all)
15. Involvement in IWA affairs:
  - Report on IWA Strategic Council activities (Jean-Luc Bertrand-Krajewski [JLBK])
16. Recent or forthcoming conferences co-sponsored by JCUD or affiliated groups
  - 13<sup>th</sup> ICUD in Malaysia, 2014 (Organizers)
  - 10<sup>th</sup> UDM conference, 2015, Mont Ste. Anne, Quebec, Canada
  - 9<sup>th</sup> Novatech Conference, 2016, Lyon, France
  - 14<sup>th</sup> ICUD in Prague, 2017, Czech Republic (Vojtech Bares)
17. Awards co-sponsored by the Joint Committee
  - Poul Harremoes award
  - Mid-career and career-long awards (David Butler)
18. Round table business
19. Future JC meetings: 2015 (at the 10<sup>th</sup> UDM conference in Mont Ste. Anne, Quebec, Canada), 2016 (at the 9<sup>th</sup> Novatech conference in Lyon), 2017 (at the 14<sup>th</sup> ICUD in Prague, Czech Republic)
20. Closure

**IAHR/IWA Joint Committee for Urban Drainage  
New Membership Roster  
(Updated on Oct. 9, 2014)**

Name	Country	Membership in parental organizations		End of the first term (second term)
		IAHR	IWA	
1. Manfred Schütze Chair	Germany		Y	2011 (elected chairman 2014-17)
2. Karsten Arnbjerg-Nielsen	Denmark		Y	2015 (2018)
3. Vojtěch Bareš	Czech Republic		Y	2016 (2019)
4. Elizabeth Fassman-Beck	USA		Y	2014 (2017)
5. Haifeng Jia	China	Y		2017(2020)
6. Jeroen Langeveld	The Netherlands		Y	2015 (2018)
7. David McCarthy	Australia		Y	2017(2020)
8. Fumiyuki Nakajima	Japan		Y	2014 (2017)
9. Patrizia Piro	Italy			2016 (2019)
<b>Associate members</b>				<b>Appointed</b>
J.-L. Bertrand-Krajewski	France	Y	Y	2008
R. Ashley	UK			2006
J. Ball	Australia	Y		2006
B. Chocat	France			2006
J.B. Ellis	UK			2006
H. Furumai	Japan	Y		2011
P.S. Mikkelsen	Denmark	Y	Y	2011
W. Rauch	Austria	Y		2006
<b>Non-Voting secretary</b>				
J. Marsalek	Canada	Y	Y	-----

## **SOCOMA**

(Source Control Management)

Working Group Report – September 2014

(Chairman: Gilles Rivard, Aquavidya Inc, 948, Donat-Belisle, LAVAL (PQ), Canada, H7X 3W5; Phone: 001-450-689-2967, Fax: 001-450-689-2969, E-mail:

[grivard@aquavidya.com](mailto:grivard@aquavidya.com) ;

Vice-chair & Secretary: Sylvie Barraud, INSA Lyon - LGCIE - Bâtiment Coulomb, 34 Avenue des Arts, F-69621 Villeurbanne Cedex. Phone: 04 72 43 83 88 - Fax: 04 72 43 85 21 - E-mail: [sylvie.barraud@insa-lyon.fr](mailto:sylvie.barraud@insa-lyon.fr));

Secretary: Tim Fletcher, Melbourne School of Land & Environment, The University of Melbourne, 221 Bouverie St, Parkville, Vic, 3010, Australia. Tel: +61 3 8344 0621, E-mail: [tim.fletcher@unimelb.edu.au](mailto:tim.fletcher@unimelb.edu.au)).

A summary of the other activities in 2013 and upcoming ones in 2014 is as follows:

- Terminology paper. The paper, with Tim Fletcher as a leader, has been published in the Urban Water Journal. See other posting by Tim.
- Other possible papers, which have been discussed at the Novatech Conference in 2010, were not initiated in 2013 but are still under discussion. Topics include: Hydrologic performance of source control for low-flow and high-flow restoration; Modelling source control techniques; Water quality performance unit processes in source control measures; Targets for source control: review and rationale. Some of these topics could be addressed by SOCOMA members in 2014.
- The SOCOMA web site (<http://graie.org/SOCOMA>) was updated and other references and documents will be added in 2014.

Another item that was discussed previously was to develop a multi-language Wikipedia-type of glossary that could be put on-line and provide basic technical information on topics associated with source control and stormwater management measures. This has yet to be implemented.

SOCOMA members have been called to participate in a survey for stormwater financing during 2013. The survey has been initiated by a French Ministry and has as an objective to have a look at the approaches used in different countries to finance stormwater management projects. Information for an update of this project could be obtained from Nathalie Lenouveau ([Nathalie.Lenouveau@developpement-durable.gouv.fr](mailto:Nathalie.Lenouveau@developpement-durable.gouv.fr)).

### **Other future activities**

- Participation in the UDM Conference in Quebec City (Sept. 2015).
- Possible Joint activity with the Cold Climate Group in 2015

Next meeting: UDM Conference (sept. 2015)



# International Working Group on Urban Rainfall (IGUR)

## Working group report August 2014

**International Working Group on Urban Rainfall (IGUR)** (Chairman: Prof. Patrick Willems, KU Leuven, Hydraulics Division, Kasteelpark Arenberg 40, B-3001 Leuven, Belgium; Phone: +32-16-321658, Fax: +32-16-321989, e-mail: [Patrick.Willems@bwk.kuleuven.be](mailto:Patrick.Willems@bwk.kuleuven.be). Secretary: Dr. Thomas Einfalt, hydro & meteo GmbH & Co. KG, Breite Strasse 6-8, D-23552 Lübeck, Germany. Phone: +49-451-7027333 Fax: +49-451-7027339, e-mail: [einfalt@hydrometeo.de](mailto:einfalt@hydrometeo.de). Group's web site: <http://www.kuleuven.be/hydr/gur>

- The IGUR first of all announces the terribly sad news that Mohammed Nor Mohd Desa, who was a very active member of the IGUR for Malaysia, passed away on 4 March 2014. He was the initiator and organizer of the current 13ICUD conference, and actively attended many IGUR meetings. The IGUR has sent a card and flowers to the family of Mohammed to express our deepest sympathy and the fact that we will remember him forever for his friendship and significant contributions to our field of urban rainfall and hydrology.
- IGUR members were involved in the review of abstracts dealing with the rainfall topic for the Novatech2013 conference, Lyon, 23-27 June 2013.
- The IGUR had its annual meeting 2013 during the Novatech2013 conference, Lyon, 24 June 2013; and will have its annual meeting 2014 during the 13ICUD conference.
- Further promotion was done on the IGUR book on "Impacts of climate change on rainfall extremes and urban drainage". Seven IGUR members were involved in its preparation. The book has been published by IWA Publishing:

*Willems, P., Olsson, J., Arnbjerg-Nielsen, K., Beecham, S., Pathirana, A., Bülow Gregersen, I., Madsen, H., Nguyen, V-T-V. (2012), 'Impacts of climate change on rainfall extremes and urban drainage', IWA Publishing, 252p., Paperback Print ISBN 9781780401256; Ebook ISBN 9781780401263*

<http://www.iwapublishing.com/template.cfm?name=isbn9781780401256>

and its electronic supplement, which is published as IWA Water Wiki page:

<http://www.iwawaterwiki.org/xwiki/bin/view/Articles/ICCREUDS>

Many presentations were given at international conferences and workshops. The most recent ones are:

*'Key note: Climate change as driver for paradigm change in urban water management', Third Nordic International Conference on Climate Change Adaptation, Copenhagen, 25-27 August 2014: invited key note by Patrick Willems*

*'Key note: Rainfall variability and change and its impact on urban water management', 8th Annual Meeting of Danish Research and Innovation Platform (DWRIP), KU Science, Frederiksberg, Denmark, 30 January 2014: invited key note by Patrick Willems*

*'Multidecadal climate oscillations and trends in hydrological extremes', Boussinesq Lecture 2013, Boussinesq Center for Hydrology, 24 October 2013, Royal Netherlands Academy of Arts and Sciences (KNAW) Amsterdam: invited lecture by Patrick Willems*

- IGUR members Ida Bülow Gregersen, Karsten Arnbjerg-Nielsen, Henrik Madsen and Patrick Willems cooperated on the analysis of the implications of long term oscillations in rainfall extremes on urban drainage design practices. A paper has been prepared to be presented during the 13ICUD conference:

*Gregersen, I.B., Madsen, H., Willems, P., Arnbjerg-Nielsen, K. (2014), 'Implications of long term oscillations in rainfall extremes on urban drainage design practices', 13th International Conference on Urban Drainage (13ICUD), Sarawak, Malaysia, 7-12 September 2014, 8 p.*

- IGUR members Thomas Einfalt and Patrick Willems were invited as external examiners for the PhD by Jesper Ellerbæk Nielsen on 'Combining C- and X -band Weather Radars for Improving Precipitation Estimates over Urban Areas' at Aalborg University (promoter Michael Robdrup Rasmussen). They also gave a radar seminar at Aalborg University on 20 December 2013.
- Thomas Einfalt became chairman of the ISO new standard working group ISO/TC 146/SC 5/WG 7 on "Ground-based remote sensing of precipitation - Weather radar".

The most recent information related to IGUR activities as well as the meeting reports can be found on the IGUR website which is regularly updated, see [www.kuleuven.be/hydr/gur](http://www.kuleuven.be/hydr/gur).

## Working Group contacts

<b>International Working Group on Urban Rainfall (IGUR) Web Site: <a href="http://www.kuleuven.be/hydr/gur">http://www.kuleuven.be/hydr/gur</a></b>	
<i>Chairman:</i> Prof. Patrick Willems KU Leuven Hydraulics Division Kasteelpark Arenberg 40 B-3001 Leuven, Belgium Ph. : +32-16-321658, Fax: +32-16-321989 E-mail: <a href="mailto:Patrick.Willems@bwk.kuleuven.be">Patrick.Willems@bwk.kuleuven.be</a>	<i>Secretary:</i> Dr. Thomas Einfalt hydro & meteo GmbH & Co. KG Breite Strasse 6-8 D-23552 Lübeck GERMANY Ph.: +49-451-7027333, Fax: +49-451-7027339 E-mail: <a href="mailto:einfalt@hydrometeo.de">einfalt@hydrometeo.de</a>

## **Report of the activities of the Working Group on Urban Storm Water Harvesting (USWH)**

**Chairman:** Alberto Campisano, Department of Civil Engineering and Architecture, University of Catania, Viale A. Doria, 6, 95125, Catania, Italy. Phone: +39 (0)957382730, Fax: +39 (0)957382748; E-mail: [acampisa@dica.unict.it](mailto:acampisa@dica.unict.it).

**Secretary:** Matthew Burns, Melbourne School of Land & Environment, The University of Melbourne, Building 379, Parkville, Vic, 3010, Australia. E-mail: [matthew.burns@unimelb.edu.au](mailto:matthew.burns@unimelb.edu.au).

September 2014

### **Recent meetings**

- Bari, Italy - July 2014 during the WDSA 2014 Conference

### **Activities developed and in progress**

- The participation of the WG at the ICUD Conference in Malaysia with the organisation of one special session on USWH and of the review process of abstracts and papers has been carried out according to local organisers instructions.
- Group members from Australia (Matthew Burns and Tim Fletcher) are currently contributing a chapter to a future IWA book entitled "Rainwater Tank Systems for Urban Water Supply: design, yield, health risks, economics and social perceptions". Their specific contribution concerns the impact of rainwater tanks on urban hydrology and stormwater quality.
- Several members of the working group attended the *Third Symposium on Urbanization and Stream Ecology in Portland, Oregon (2014)*. Delegates from the University of Melbourne gave a keynote presentation on the importance of using stormwater harvesting to help mitigate the impacts of urbanization on streams (receiving waters). In discussions after the presentation, it became clear that 1) stormwater harvesting is not common in North America, and 2) substantial volumes of stormwater can be harvested without detrimental impacts to the stream. In addition, Burns was involved in a workshop which discussed setting local stormwater objectives for the protection or restoration of downstream hydrology.
- Several members of the working group are currently in the preliminary stages of writing a review paper on rainwater harvesting applications and modelling. The paper will address the modelling of rainwater harvesting systems, water quality impacts, and social aspects. They are hoping to have the paper submitted to the Urban Water Journal late this year.
- The group sponsored a conference session at the recent WDSA Conference held in Bari in July 2014. The session included topics related to rainwater harvesting and reuse and dual networks.
- The WG is working on the setup of an own website in which news on main events and activities and new links to other web sites dealing with RWH topics will be highlighted. A member of the WG will be appointed as web manager.

## IAHR 36<sup>th</sup> World Congress – call for abstracts

The 36<sup>th</sup> IAHR world congress will be held in Delft – The Hague, The Netherlands, from June 28 to July 3, 2015. The congress has seven main themes further subdivided into sub-themes, and will cover a broad range of topics, including those related to urban drainage. In fact, the organizers will even consider proposals of additional sessions. A brief listing follows; for details, go to the IAHR website ([www.iahr.org](http://www.iahr.org)). Most importantly, note the deadline for abstract submission – **Sep. 30, 2014**.

Managing deltas (•wetland protection and shore restoration, •impacts of urbanization and land reclamation, •saline and freshwater interactions, •adaptive delta management)

Hydro-environment (•eco-hydraulics and eco-hydrology, •impacts of pollutants on the water environment, •rehabilitation of water systems, •renewable energy resources)

Sediment management and morphodynamics (•sediment transport mechanisms and modelling, •morphodynamics of estuaries and coastal areas, •river morphodynamics, •basin-wide sediment management)

Water engineering (•river and coastal engineering, •hydraulic facilities and instrumentation, •hydraulic machinery and industrial flows, •computational methods)

Flood risk management and adaptation (•flooding along rivers and coasts, •flood risk assessment, •adaptation measures, •early warning systems)

Water resources and hydroinformatics (•catchment hydrology, •surface and subsurface flow, interactions, •management support systems and serious gaming, •the water-food-energy nexus)

Extreme events, natural variability and climate change (•hydrological extremes: floods and droughts, •flood resilient cities and infrastructures, •interaction society and water systems, •learning from disasters)

Special sessions - Requests for special sessions can be put forward to the chair of LOC2015. Please send an email to [iahr2015@unesco-ihe.org](mailto:iahr2015@unesco-ihe.org).

### Deadlines

~~SEPTEMBER 30, 2014~~ Deadline submission of abstracts

NOVEMBER 4, 2014 ~~Notification of acceptance~~

FEBRUARY 1, 2015 Full paper submission

APRIL 1, 2015 Final paper submission

JUNE 21–JUNE 27, 2015 Short courses / Master Classes, Delft

JUNE 28–JULY 3, 2015 IAHR World Congress, The Hague

## **Stormwater terminology paper – Report by Tim Fletcher**

This paper came about as an initiative of the JCUD, with the underlying motivation being to provide those new to our field (e.g. students or experts from other disciplines) with an understanding of the evolution and context of terms used to describe urban drainage.

The paper was co-authored by 17 co-authors: Tim D. Fletcher , William Shuster , William F. Hunt , Richard Ashley , David Butlere, Scott Arthur, Sam Trowsdale, Sylvie Barraud , Annette Semadeni-Davies, Jean-Luc Bertrand-Krajewski , Peter Steen Mikkelsen , Gilles Rivard, Mathias Uhl , Danielle Dagenais and Maria Viklander.

The paper thus had wide input from the JCUD and particularly from the SOCOMA and WSUD Working Groups.

The paper is published in *Urban Water* and as we have paid to make it Open Access so that anyone can download it for free, at: <http://www.tandfonline.com/doi/abs/10.1080/1573062X.2014.916314#.U9t8HUIMWSk>

We hope that the paper proves to be useful both to our profession and to those with whom we wish to engage (e.g. architects, planners, etc).

Kind regards,  
Tim



### **3 points for the Kuching JCUD meeting submitted by Jean-Luc Bertrand-Krajewski (Sep. 6, 2014)**

**Point 1 : Novatech 2016** : will be held in Lyon, France, at the Congress Center (same venue as Novatech 2013), on 3-6 July 2016.

- Three main themes :
  - a. Integrated strategies and approaches for water management in urban areas
  - b. Innovative technologies for stormwater management :  
design, implementation & operation
  - c. Drainage and stormwater management at catchment scale:  
flooding, erosion and pollution issues

Novatech 2016 will propose

- Scientific communications & Case studies
- Keynote speakers
- Oral communications & poster sessions
- Pre-conference workshops
- Knowledge transfer sessions
- Novatech Awards for practitioners
- Technical visits
- A few new surprises for 2016...

Deadlines:

- Announcement & Call for papers, **May, 2015**
- Declarations of intent, **September, 2015**
- Full paper submission, **November, 2015** (max 4 pages papers)
- Notification of acceptance, **February, 2016**
- Registration opening, **April, 2016**

Scientific Committee, like for each Novatech, will be partly renewed and will include some JCUD members.

### **Point 2 : IWA Strategic council**

A new IWA Strategic Plan for the next years will be voted by the General Assembly during the Lisbon Congress on 20 September 2014. Will be an opportunity for all Specialist Groups to be involved and insert their activities in this plan.

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A Forum for SG Chairs is organized by IWA (and chaired by JLBK) on 26 September 2014 at the end of the Congress with following main objectives :

- information about and action of SGs for the new Strategic Plan
- continue to promote collaborations between SGs
- inform SGs about the new material and assistance of IWA headquarters for SGs in communication, websites, events and conferences organization.

Much more information will be available after the Lisbon congress : JLBK will keep the JCUD informed.

### **Point 3 : ICUD papers**

This is not explicitly in the agenda, but I have questions and worries about how ICUD 2014 papers were reviewed or not. The recent ICUDs (2008 in UK, 2011 in Brasil) were not reviewing and publishing papers as in the past times, even if this was an objective and a quality indicator of ICUDs. Should we reinforce this? How? Should we change the rules? (if you remember, I suggested in Lyon in 2013 that I was in favor of changing our paper format as the journal publishing policies have substantially evolved since a couple of years). May I recommend that we explicitly redefine / remind rules for the next ICUD in Prague?