

# IGUR Annual Meeting 2022

## Minutes

*Time: 4.00 p.m. – 5.15 p.m., Wednesday 12 October 2022*

*Location: Meteorological Technology World Expo, Paris (hybrid, via Microsoft Teams)*

### Participants:

Daniel Schertzer, ENPC, Paris, France (IGUR Chair)  
Simon Beecham, University of South Australia, Adelaide, Australia  
Martin FencI, Czech Technical University, Prague, Czech Republic  
Auguste Gires, ENPC, Paris, France  
Thomas Einfalt (IGUR Secretary, minutes)

### 1. Welcome

Daniel Schertzer (as Chair of IGUR) welcomed the participants in the room and remotely. He recalled that following the wish of IGUR members to meet again face to face, as well the postponement of Urban Rainfall 2022, the Meteorological Technology World Expo has seemed to be a good opportunity. Unfortunately, it has taken some time since the beginning of July to find a venue as quiet as possible. This could be easier in the future.

### 2. Round Table

This item was skipped since all persons knew each other.

### 3. Minutes of previous meeting

There were no comments on the Minutes of the last meeting (virtual) on 29 October 2021. Thus, the Minutes were approved.

The following points were discussed that are linked to potential new activities:

- IGUR, research projects and other initiatives
- Previously proposed papers: rainfall extremes + COVID
- Improvement of organisation / membership

### 4. Discussion

#### 4.1 IGUR, research projects and other initiatives

One of the objectives of the IGUR network is to facilitate the preparation and success of research projects and international initiatives such as the COST Action

OpenSense<sup>1</sup> and the H2020 project WaterSense<sup>2</sup>, which IGUR naturally advertises. It would be extremely useful to establish mutual and synergic interactions between IGUR and these projects.

#### 4.2 Publication on consequences of rainfall extremes

Following the decision of the last meeting regarding a publication rainfall extremes, Simon Beecham and Thomas Einfalt have set up a publication proposal with the working title: *Rainfall-related Consequences of Climate Change on Applications for the Urban Population*. The current state of the outline is in the annex to these minutes. According to the Chair, it is important that such a publication should be well indexed. Simon Beecham pointed out that a publication via IWA publishers (who published IGUR's last book), as envisaged, would fulfil this condition.

The current plan is to publish a book with a companion paper in an open access journal. The Chair suggested instead a series of open access papers with different authors, but Simon Beecham and Thomas Einfalt think that this would be less coherent than a book. The Chair recalled that the discussion of the last meeting was rather focused on the recent extremes and their relation to climate change. It was discussed that it might correspond to another publication. A final decision on form of publication and content details will be taken after all potential contributions have been collected.

The contents of the book shall be collected by an open call to the hydrological and meteorological communities.

Emerging topics on new data acquisition sources (microwave, satellite communication, satellite, etc.) in order to detect extreme events may now be included following discussions at this meeting.

Martin Fencl added an important aspect that was not taken into account in the climate change book of 2012: mitigation and adaptation possibilities in countries and regions currently not represented in IGUR (such as Latin America, Asia, Africa, etc.).

The call for contributions is attached.

#### 4.3 Publication on the Covid pandemic

There was no declared interest on this topic that was also decided during the last annual meeting of IGUR – so this topic will not be pursued any further, at least for the present time. Anyhow, following a suggestion of Van-Thanh-Van Nguyen, a brief of the special AOGS 2021 on 'Covid-19 and Geoscience' was published in the proceedings of this conference<sup>3</sup>

4.4 Martin Fencl proposed to hold regular seminars on specific topics. IGUR will use the NOVATECH conference to organise a face-to-face meeting to discuss how this could be set up.

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<sup>1</sup> On the initiative of Czech Technical University CTU, the OPENSENSE COST action on opportunistic precipitation measurements has started in August 2021

(<https://www.cost.eu/actions/CA20136/>). Objectives are to make data from different sources and devices openly available and to maintain a comparable quality standard.

<sup>2</sup> <https://www.watersense.eu>

<sup>3</sup> [https://www.worldscientific.com/doi/10.1142/9789811260100\\_0079](https://www.worldscientific.com/doi/10.1142/9789811260100_0079)

## **5. Urban Rain 2023**

UrbanRain will take place in December 2023 in Pontresina.

## **6. NOVATECH 2023**

The NOVATECH conference in Lyon will take place from 3 to 7 July 2023 – abstracts have to be submitted before 5 December 2022. More details are to be found at [www.novatech2023.org](http://www.novatech2023.org).

## **7. IGUR membership**

Besides the membership of IGUR, the IGUR list (RAIN-L) should be advertised more extensively. This aims to get more (young) researchers onboard and to facilitate a more animated discussion on topics of interest.

## **8. Tasks**

TE to ask Peter Molnar for an update on UrbanRain 2023 (dates + location).

TE to check membership of IGUR and the RAIN-L list.

TE and others will advertise IGUR list (RAIN-L) and call for contributions via LinkedIn etc.

MF to put the calls for NOVATECH, UrbanRain and the book / collection of papers on the IGUR website + check website for membership request possibilities.

## **9. Next meeting**

The next IGUR meeting is intended to be held either during NOVATECH 2023 in Lyon or UrbanRain23 in Switzerland.

## **10. Any other business**

The meeting participants thank the laboratory Hydrology Meteorology and Complexity (Ecole des Ponts ParisTech) for its invitation to continue their discussion in the restaurant "Le buisson ardent".

*Paris, October 13, 2022 / Lübeck, November 10, 2022*