Panta Rhei Drought in the Anthropocene workshop
29-30 August 2022

2nd circular - final agenda

1. Background and aim of the workshop:

As a scientific working group, Panta Rhei Drought in the Anthropocene members intend to investigate **the interaction between drought and people**. We study the influence of people on drought and the impact of drought on people, with the overarching aim to increase understanding of drought-society feedbacks, both positive and negative.

The workshop organized at Uppsala University to be held on 29-30 August 2022, will bring together an interdisciplinary group of international early-career and experienced scientists working in the field of human-drought interaction. The main goal of the workshop is to identify key challenges and opportunities for future drought research in the Anthropocene. This will be achieved through facilitating discussions and group work. The collaborative format of the workshop will strengthen the research community and allow for new research projects to be identified.

The **format** of the workshop will consist of presentations by keynote speakers, series of 1-minute pop-up (poster/slide/verbal only) presentations by each participant about their current research project, plenary discussions and work in small subgroups. The sub-groups will be working on the research topics gathered from the discussions and presentations during EGU and IAHS2022. To narrow down all the collected ideas and determine 4 research topics for the subgroups work, we used an online survey to allow all Panta Rhei members to rank topics according to their preference. As a result of voting, we identified 2 general thematic branches (*drought impacts*) and (*socio-hydrological interactions*), which together cover 4 highly ranked research topics:

Branch 1: drought impacts:
- subgroup 1: drought impacts, compound cascading events, systemic risk/impacts;
- subgroup 2: droughts & water supply & food security;

Branch 2: socio-hydrological interactions:
- subgroup 3: drought as hazard Anthropocene;
- subgroup 4: adaptation and human responses;

We will arrange 6 keynote speaker presentations for 15 minutes each (also available for online participants) and discussions related to the selected topics (in person only). This will be followed by 2 breakout sessions in which 4 subgroups will explore contextual and methodological aspects of the respective research topics.

Session 1 (contextual) will focus on the following 2 questions:
1. What recent topical developments?
2. What interesting new frameworks?

Session 2 (methodological) will focus on the following 2 questions:
1. What recent methodological development?
2. What interesting new tools?

The results will be presented on flip charts to the other subgroups. Prior to the workshop, the participants will be preliminary divided into subgroups depending on their research focus as indicated in the

registration form. Each subgroup will have one experienced chairperson who will be responsible for managing the discussion in the subgroup.

Potential ideas for papers (to be discussed during the upcoming workshop):
1. Synthesis paper (selected review) of 10 years of research on drought in Anthropocene;
2. Review paper discussing gaps in drought research. Results can be converted to recommendations for policy-makers (policy brief). Potentially emphasize the absence of Drought Directive in Europe (only Water and Flood Directives);
3. Consider special issue (8-10 papers from different journals can be published by both EGU and AGU);
4. Documentary video on drought in Anthropocene (gather the ideas during the workshop);
5. To survey IAHS community about their perception of droughts;

2. Preliminary programme:

Moderator: Sina Khatami (Uppsala University/CNDS)

Time	Activity	Presenter	Notes
	Sunday 28 August		
18:00	(optional): get together for early arrivals & ice breaker (meeting outside Geocentrum)		
	Monday 29 August		
8:30	Early registration and coffee		providing badges, CNDS bags
9:00 – 9:15	Welcome & opening the workshop, presentation "*Panta Rhei group/Drought in the Anthropocene?*"	Anne&Giuliano	confirmed (in person)
9:15 –10:00 *(15 min + 5 min Q&A)* *(15 min + 5 min Q&A)*	Branch 1: drought impacts - subgroup 1 (drought impacts, compound cascading events, systemic risks/impacts) keynote presentations: "*Drought impact chains (links / web of interlinkages between H, E, V; systemic and cascading risk)*" "*Gap analysis of drought RISK analysis in Europe*"	Davide Cotti (UNU) Michael Hagenlocher (UNU-EHS)	confirmed (in person) confirmed (in person)
10:00 - 10:45 *(15 min + 5 min Q&A)* *(15 min + 5 min Q&A)*	Branch 1: drought impacts - subgroup 2 (drought impacts & water supply & food security) keynote presentations: "*Drought policy and the way forward at the global level incl. Food security*" "*Droughts and Water security*"	Daniel Tsegai (UNCCD) Elisa Savelli (Uppsala University/CNDS)	confirmed (in person) confirmed (in person)
10:45 – 11:00	Coffee break		
11:00 – 11:40 *(15 min + 5 min Q&A)* *(15 min + 5 min Q&A)*	Branch 2: socio-hydrological interactions - subgroup 3 (drought as hazard in the Anthropocene) keynote presentations: "D*rought as a hazard in the Anthropocene*" Branch 2: socio-hydrological interactions - subgroup 4 (adaptation and human responses) keynote presentations: "*Adaptation and human responses"*	Amir Aghakouchak (UC Irvine) Niko Wanders (Utrecht University)	confirmed (online) confirmed (in person)
11:40 – 12:30	Series of 1-minute pop-up (poster/slide/verbal only) presentation by		

	each participant about their current research project (plenary)		
12:30 - 13:30	Lunch: Blåsenhus (on campus, Restaurant Feiroz)		
13:30 – 16:00	Session 1 (contextual): working in 4 subgroups on research topics on 2 questions: 1. What recent topical developments? 2. What interesting new frameworks? swapping groups if needed; start preparing the flip charts with results		Needed: Flip charts with stands + markers
16:00 – 16:30	Coffee break & wrap-up for the first day		
19:00	Social dinner – Eritrean restaurant Messob		
	Tuesday 30 August		
9:00 – 11:00	Session 2 (methodological): working in 4 subgroups on research topics on 2 questions: 3. What recent methodological development? 4. What interesting new tools? swapping groups if needed; finalizing the flip charts with results		
11:00 - 11:15	Coffee break		
11:15 – 12:30	Group presentations with flip charts & Q&A session		
12:30 – 13:30	Lunch: Blåsenhus (on campus, Restaurant Feiroz)		
13:30 – 15:30	Brainstorm session on the future of PR group: (financial) support; (networking) activities; (paper) ideas at the end		
15:30 – 16:00	Workshop closure, steps forward	Anne&Giuliano	confirmed
19:00	Social & sport activity/city tour		

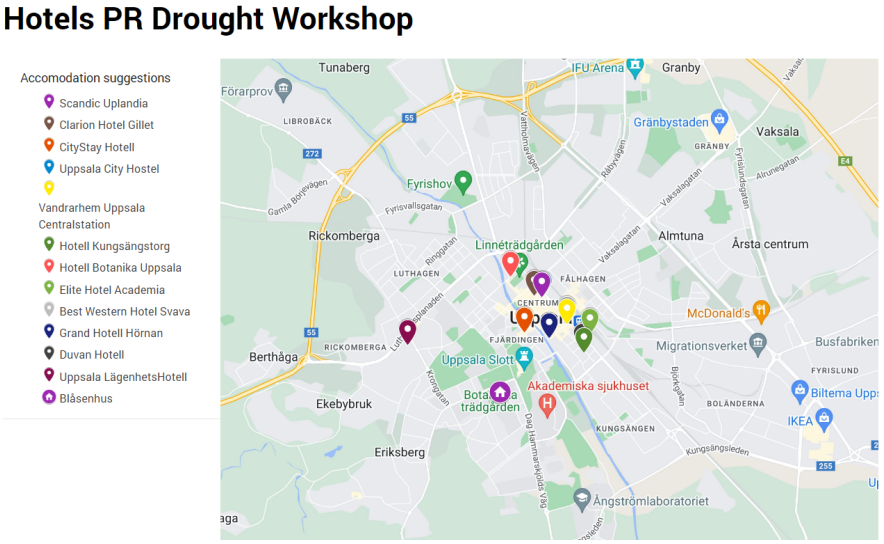
Logistics:

The workshop will take place at Blåsenhus (*von Kraemers allé 1, 752 37 Uppsala*) - the campus of Uppsala University, with easy access by train from the city centre and the international Stockholm Arlanda airport (located between Uppsala and Stockholm).

Travel: Participants are responsible for their travel arrangements and costs. Please find information about travel here: https://www2.uu.se/en/students/new-student/welcome-to-uppsala/getting-to-uppsala. Depending on the mode of transport you use, it will take between 20 and 45 minutes to travel from Stockholm Arlanda airport to Uppsala.

Accommodation: We have compiled a list of hotels that you can book your accommodation at. In addition, by following this link, you can find a map showing Blåsenhus (the building where most of our activities will take place) and the location of the hotels our university proposes for guests below:

- Scandic Uplandia
- Clarion Hotel Gillet
- CityStay Hotell
- Uppsala City Hostel
- Vandrarhem Uppsala Centralstation
- Hotell Kungsängstorg
- Hotell Botanika Uppsala
- Elite Hotel Academia
- Best Western Hotel Svava
- Grand Hotell Hörnan
- Duvan Hotell
- Uppsala LägenhetsHotell



Meeting rooms: Blåsenhus (room 21:136 and room 21:130), more information will follow.

Conference fees & meals: no conference fees; meeting rooms, coffee/tea/snacks during morning and afternoon breaks, 2 workshop lunches on Monday and Tuesday are covered by the organizers. Please note that social/sport event on Tuesday evening is at your own expense.

We are looking forward to meeting you in Uppsala!

The CNDS announcement of the workshop: https://www.cnds.se/news/news-item/?tarContentId=1017788

Your organizing team at CNDS/Uppsala University and VU Amsterdam,

Contact persons:
Anastasiya Shyrokaya: anastasiya.shyrokaya@geo.uu.se
Riccardo Biella: riccardo.biella@geo.uu.se
Andra Covaciu: andra.covaciu@geo.uu.se
Giuliano Di Baldassarre: giuliano.dibaldassarre@geo.uu.se
Sina Khatami: sina.khatami@geo.uu.se
Sara Lindersson: sara.lindersson@geo.uu.se
Johanna Mård: johanna.maard@geo.uu.se
Claudia Teutschbein: claudia.teutschbein@geo.uu.se
Anne Van Loon: anne.van.loon@vu.nl
Marthe Wens: marthe.wens@vu.nl