WG 4 - Stakeholder Engagement for Climate Impact Attribution Studies

Opportunities, Challenges, and Pathways to Impact

April 25 | 2024

Albert Nkwasa (on behalf of a large team)
Rollercoaster ride

1. Brainstorming Workshop
   (climate impact assessments)

2. Perspective paper
   (current version)

   Online meetings

2023

April 2024

3. We need to submit
   (at some point)

Not sure but soon 😐
1. Paper writing workshop
Best practices of addressing typical climate impact stakeholders

Vrije Universiteit Brussel
Sharing experiences about stakeholder engagement
Engagement in several climate impact assessments

While strides have been made in the science of climate impact attribution, there remains a considerable amount of work in understanding the varied requirements of different stakeholders for such information.
2. Perspective piece

Stakeholder engagement for climate impact attribution studies
“Therefore, fragmented and isolated knowledge can become a form of ignorance if they resist integration into a broader understanding of reality”

(Franciss, 2015)
Cross-Learning: Benefits of stakeholder engagement

Typical stakeholder engagement process in climate impact assessments
Challenges - Stakeholder engagement in climate impact attribution

• Difficulties in consensus-building and potential delays due to the need to reconcile diverse interests

• Requires substantial time, financial resources, and commitment for a successful engagement process

• Most climate impact attribution research is conducted by researchers in high income countries
Pathways to impact

- Early engagement with stakeholders
- Important to identify the relevant stakeholders
- Uncertainty communication
- Building expertise in low to middle income countries
- Citizen science – low hanging fruit
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<thead>
<tr>
<th>Time (UTC+2)</th>
<th>Session</th>
<th>Session organisers (chair in bold)</th>
<th>Venue</th>
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<tbody>
<tr>
<td>09:00-10:30</td>
<td><strong>ISIMIP results and closing remarks</strong></td>
<td>Veronika Huber</td>
<td>A56 Hasselmann Hall</td>
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<td>10 mins presentations + 5 min Q&amp;A</td>
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<td>Zoom - Hasselmann Hall</td>
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<td></td>
<td>• Exposure of Europe’s critical transport infrastructure to climate extremes (Cristina Deidda)</td>
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<td>• Estimating Flood Risk under Global Warming: An Approach from the Insurance Industry (Glulia Giani)</td>
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<td>• The regularity of climate-related extreme events under global warming (Karim Zantout)</td>
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<td>• Children disproportionately exposed to attributable heatwaves at low-latitude low-income countries (Rosa Pietrousti) (virtual)</td>
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<td>• Can we understand the variability in flood-induced displacement using process-based global flood modelling? (Sandra Zimmerman)</td>
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<td>• Global change impacts on ecosystems and food: bridging the land-sea divide (Julia Blanchard)</td>
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<td>10:30-11:30</td>
<td><strong>PROCLIAS TG2.1: State of the art and ways forward for impact attribution</strong></td>
<td>Veronika Huber, Sabine Undorf, Matthias Mengel</td>
<td>A56 Hasselmann Hall</td>
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<td>• How do ISIMIP3a detrended climate observations compare with GCM-based ISIMIP3b climate baselines? (Mel Thanatcha Brehon)</td>
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<td>Zoom - Hasselmann Hall</td>
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<td>10:30-12:00</td>
<td><strong>PROCLIAS WG4</strong></td>
<td>Albert Nkwasa</td>
<td>A56 Telepresence Room (0.38)</td>
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<td></td>
<td>• Paper discussion: “Stakeholder Engagement in Climate Impact Attribution: Opportunities, Challenges, and Pathways to Impact”</td>
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<td>Zoom - Telepresence</td>
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Thank you for your attention.

nkwasa@iiasa.ac.at
Stakeholder Mapping
Liliana Zaharia and Gabriela Ioana-Toroimac
University of Bucharest
Identifying potential stakeholders & database creation

Geographical distribution of the countries involved in PROCLIAS

![Map of Europe showing stakeholder distribution](image)

*Based on 2021 surveys

**Stakeholder categories/types**

- NGOs: 9
- National authorities: 13
- International organisations: 13
- Research institutes: 27
- Educational organisations: 13
- Consultancies: 3
- Private companies: 6
- Other*: 3

*Note: *Based on 2021 surveys*
Identifying potential stakeholders & database creation

Geographical scale

- International: 22
- Country level: 25
- Regional: 17
- Local: 11
- Other*: 1

*Based on 2021 surveys

Sectors of interest

- Water: 14
- Lakes: 14
- Forests: 9
- Health: 2
- Fisheries and marine ecosystems: 6
- Energy supply and demand: 4
- Global biomes: 2
- Agriculture: 7
- Agro-economic modelling: 3
- Biodiversity: 8
- Permafrost: 3
- Coastal systems: 4
- Fire: 1
- Climate litigation: 10
- Land-use: 5
- SDGs: 3
- Other*: 3

Type of engagement

- Share scientific results: 23
- Engage in a stakeholder – modeler workshop: 12
- Engage with a specific stakeholder (e.g., through STSM on a specific research question): 12
- Gather general input/feedback on on-going work: 17
- Other*: 3