



## **Joint M1+M6: Migration and Climate Change - A Complex Nexus Social Tipping Points, Adaptation and Resilience**

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Co-hosts: Richard Betts (*Met Office Hadley Centre - University of Exeter, UK*), Benjamin Sultan (*Laboratoire d'Océanographie et de Climatologie par Expérimentation et Approche Numérique (LOCEAN), France*), Patrick Sakdapolrak (*University of Vienna, Austria*)

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### **Summary of themes covered in workshop**

Complexity of relations (e.g., multi-dimensional, multi-scale, dynamic); Social tipping points under Climate Change; Migration examples (reasons, effects, dynamics, perceptions); Building climate resilience through rural out-migration; migration - increase the level of conflicts; adaptation of laws - to resolve local conflicts; migration costs money and resources; the system is overload - no land to survive; Missing governance increases (e.g., land resources) conflicts; pathways to resilience in semi-arid economies, livelihood resilience; better management of migration; migration due to different purposes: to set a business, due to war, cultural migration; other factors generate or influence migration (not only the climate change), migration create or facilitate the maladaptation. Reasons for migration (necessity, education, lifestyle)

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### **Most controversial question that came up in this workshop?**

What role can migration play in introducing new economic opportunities? How to avoid tipping points??

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## **Results of the discussion**

Each migration (e.g., tent) has its own story, hard to model that. We cannot model the small perturbations. Effects of the human behaviour (building houses on plastic garbage). Perceptions are important for migration; different perceptions of the migrants and the scientists (e.g., people are fine living in area that is seasonally flooded)

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## **Research gaps identified**

Complexity of (combination of) climate and social tipping points; better management of migration instead of controlling it; mainstream mitigation and migrants in development goals; increase governance, e.g., District Development Plans; how to avoid to reach such tipping points (e.g. via teaching/social learning/responsibility)

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## **Next steps**

- to make / to help people to take responsible choices
- design development with people

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## **Other**

NA

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## **3-5 keywords that characterize the session**

Complex relationships (climatic & social tipping points), Migration and conflicts, Migration pressure