Workshop Goals

We used the survey results to inform the organization of the workshop

Immediate Goals

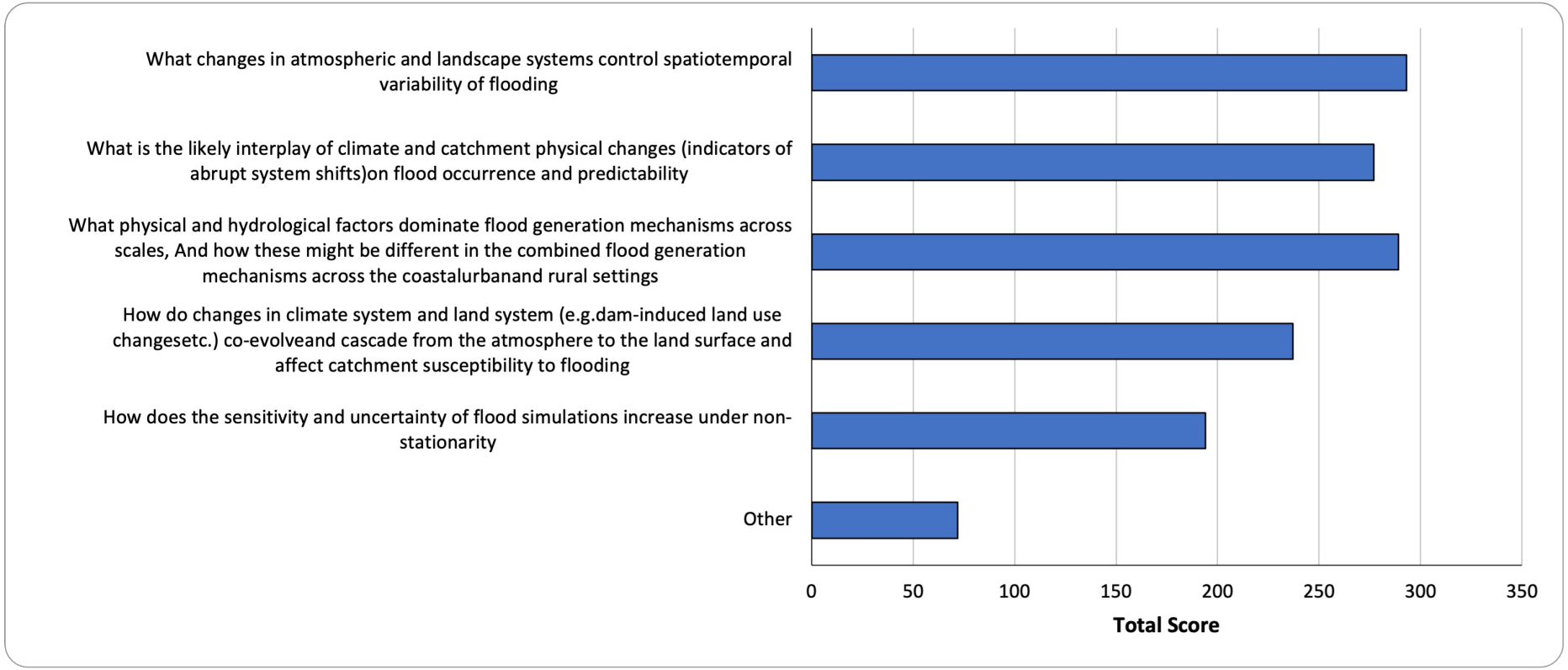
1. Bring together the international Flood research community
2. **Discuss and develop research questions**
3. **Discuss scope of the Flood CC**
4. **Discuss future meeting structure and frequency**
5. **Discuss leadership and contributions**

Follow up Goals

1. Organize meetings, leadership and contributions
2. Leverage the Workshop results to develop Cross-cut proposal for GHP approval (Spring 2024).

Workshop Goals

Discuss and develop research questions

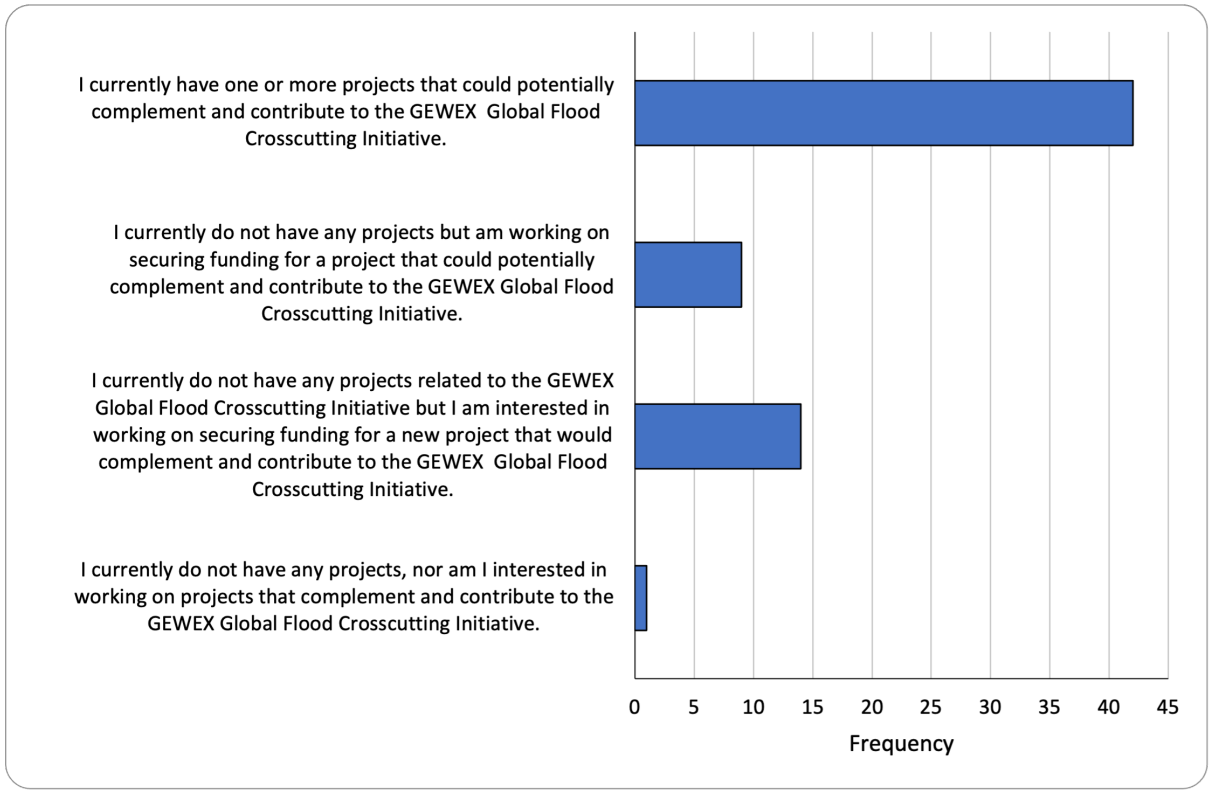


Are we asking the right questions?

Do the questions need to be refined?

Workshop Goals

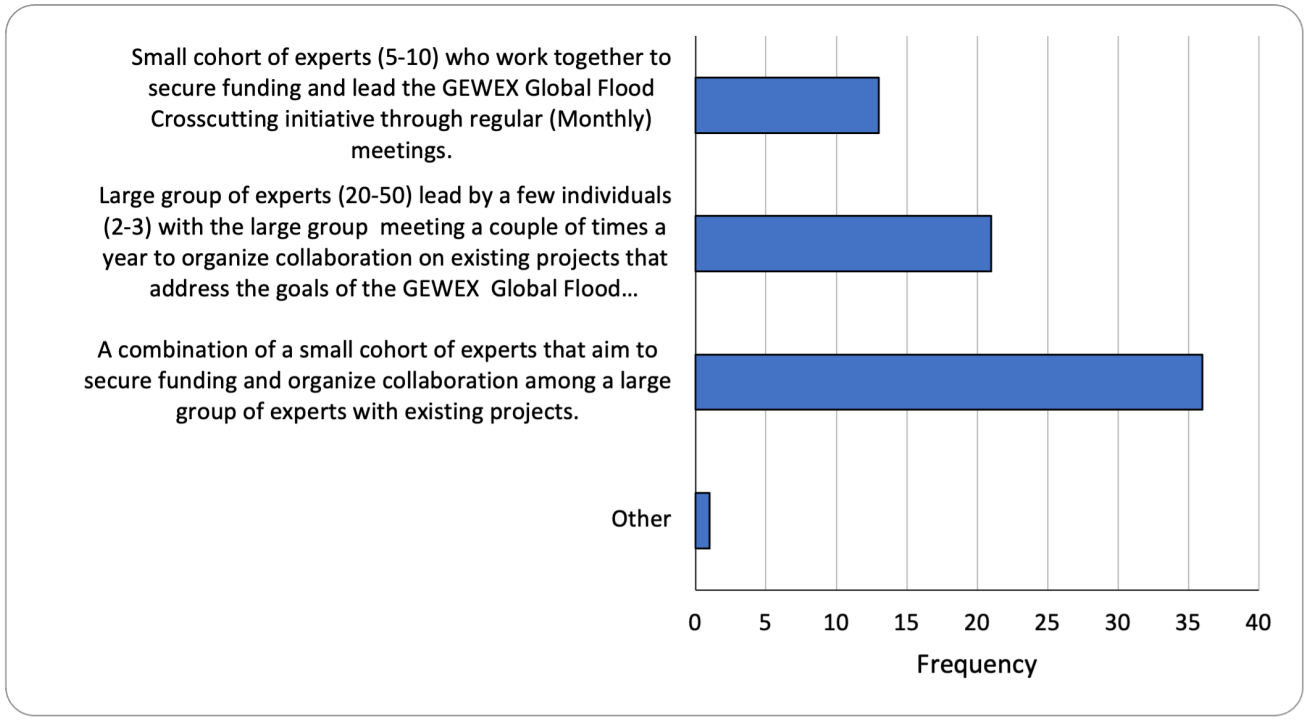
Discuss scope of the Flood CC



Should we focus on sharing research projects, developing new projects, securing funding, all of the above?

Workshop Goals

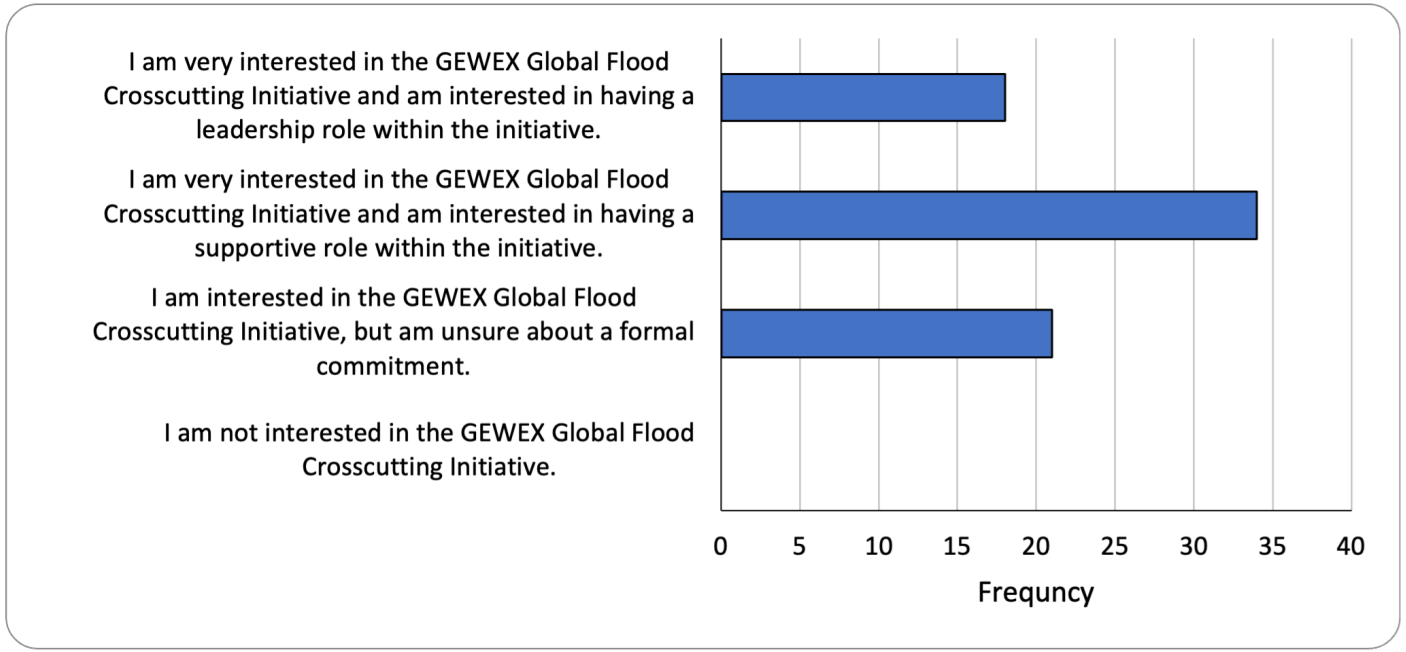
Discuss future meeting structure and frequency



How frequently should we meet and should meetings be virtual, in-person, hybrid?

Workshop Goals

Discuss leadership and contributions



Who should be leading and how can we ensure that everyone has a chance to contribute?

How can we get a truly international representation of flood research across the globe?

Who is missing?

SEP 22, 2023|Online

GEWEX 1st Global Flood Crosscutting Project Workshop

Workshop Structure

Breakout Session 1: Hydrologic Factors for Flood Generation

Science Question:
What physical and hydrological factors dominate flood generation mechanisms across scales? And how these might be different in the combined flood generation mechanisms across the coastal, urban, and rural settings?

Time (UTC)	Agenda Item	Presenter/moderator
09:00	Flood generation in a changing world and its uncertainty	Thorsten Wagener (lead)
09:15	Study on the Flood Forecasting for Medium and Small River Watersheds Based on Multi-source Information Fusion	Ke Zhang
09:30	Introducing the Flashiness-Intensity-Duration-Frequency (F-IDF) Curve	Jonathan Gourley
09:45	TBD	TBD
10:00	Discussion and Create Summary Slide	Presenters and Participants
10:45	*Break*	

Breakout Session 2: Spatiotemporal Variability of Flooding

Science Question:
What changes in atmospheric and landscape systems control spatiotemporal variability of flooding?

Time (UTC)	Agenda Item	Presenter/moderator
09:00	Compounding extreme rainfall and heatwaves: how important are large scale dynamics in generating extreme floods?	Hayley Fowler (lead)
09:15	The Spacetime Variability of Flood Frequency in a Warming Climate	Daniel Wright
09:30	Flood risk prediction under climate change from global to local scales	Huan Wu
09:45	Variability in the magnitude and timing of flooding with climate change	Conrad Wasko
10:00	Discussion and Create Summary Slide	Presenters and Participants
10:45	*Break*	

Breakout Session 3: Interplay with Climate and Land Use

Science Question:
What is the likely interplay of climate and catchment physical changes (indicators of abrupt system shifts) on flood occurrence and predictability? How do changes in climate systems and land systems (e.g., dam-induced land use changes, etc.) co-evolve and cascade from the atmosphere to the land surface and affect catchment susceptibility to flooding? How do the sensitivity and uncertainty of flood simulations increase under non-stationarity? landscape systems control spatiotemporal variability of flooding?

Time (UTC)	Agenda Item	Presenter/moderator
09:00	Achieving Urban Flood Resilience in an uncertain urbanising world	Jessica Lamond (Lead)
09:30	Assessment of climate impact on meso-scale catchment hydrology considering land use projections	Ioana Popescu
09:45	Climate and reservoir management effects on floods	Manuela Brunner
10:00	Discussion and Create Summary Slide	Presenters and Participants
10:45	*Break*	

Wrap Up (plenary)

Time (UTC)	Agenda Item	Presenter/moderator
11:00	Session 1 Report/Discussion	Thorsten Wagener
11:15	Session 2 Report/Discussion	Hayley Fowler
11:30	Session 3 Report/Discussion	Jessica Lamond
11:45	Next Steps and Future Meeting	GEWEX Flood CC team
12:30	Adjourn	

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