**26 February -
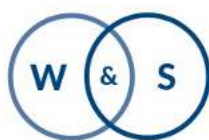1 March 2024
online**

2nd WMO/WWRP
WEATHER & SOCIETY
CONFERENCE, February 26 - 1 March 2024

*"We need to build
capacity at local and
regional levels so that
all these high-level
initiatives, such as
Early Warnings for All
can be successful.
A bottom-up approach
is essential, across all
these initiatives"*

Prof. Celeste Saulo, Secretary-General,
WMO

QR to webpage

Contact

✉ **info@weatherandsociety.de**

🖥 **www.weatherandsociety.de**

Extreme hydrometeorological events affect society, economies and the environment as never before in human history. Government agencies, science and decision makers face an unprecedented extreme event management challenge to reduce risks to citizens.

Weather and climate services must meet these challenges by engaging in dialogue to develop understanding and deploying all available resources to provide information to support decision making.

The Societal and Economics ResearchApplication (SERA) Working Group of the World Weather Research Programme (WWRP) invites the weather community participate in the second Weather and SocietyConference in 2024. On this occasion, the umbrella of the conference will align the recent UN initiative Early Warnings for All.

The themes and sessions of the conference will focus on the social science contribution to Early Warnings forAll including a participatory post-conference workshop on cross cutting enablers which connect across and within all aspects of the early warning system:

- Session 1: Risk knowledge and management
- Session 2: Observations and forecasting
- Session 3: Dissemination and communication
- Session 4: Preparedness to respond
- Session 5: Monitoring and evaluation
- Workshop: Cross cutting enablers (partnerships and locally led action)

The objective of this Conference is to bring together the NMHSs community, the scientific sector and user communities to reflect on case studies and practice which will contribute to the achievement of the goal of Early Warnings for All.
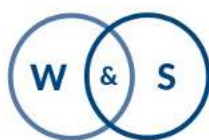
WORLD
METEOROLOGICAL
ORGANIZATION

WWRP
WORLD WEATHER
RESEARCH PROGRAMME

WG SERA

Freie Universität Berlin

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W & S

Session 1, 26 February 19-23 UTC

Register here

Risk knowledge and management

Conveners:
Julio Postigo (Indiana University, USA),
Joanne Robbins (Met Office, UK),
Machiel Lamers (Wageningen University, Netherlands)

19 - 19:30 UTC

Conference opening: *Dr Carla Mooney, Manager Social Science and Service Policy, Bureau of Meteorology, Australia*

- Opening statement: *Loretta Hieber Girardet, Chief of UNDRR's Risk Knowledge, Monitoring and Capacity development Branch*
- Invited talk: *Prof. Amanda Lynch, chair of the WMO Research Board*

19:30-20:30 UTC

- Interdisciplinary working process: future implementation in Argentina of Impact-based forecast and warnings services (IBFWS)
  Carolina Cerrudo (National Meteorological Service, Argentina)
- Epistemic Plurality and Flood Risk Knowledge
  Rahul Yaduka (B R Ambedkar University Delhi, India)
- Including exposure data to improve impact-based forecasts and warnings: A test-case from Salzburg, Austria on flood events in July 2021
  Laura Mainetti (GeoSphere, Austria)
- Case Study: Gendered Impacts of climate change; Perspectives from a developed (Norway) and a developing country (Kenya)
  Patricia Nying'uro (Kenya Meteorological Department, Kenya)

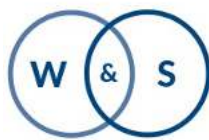**20:30-20:45 UTC**

Break

20:45-21:45 UTC

- Developing Community-Engaged Early Warning Systems for Cascading Mountain Hazards in the Himalayan Region
  Austin Lord (The Stimson Center, USA)
- Unveiling Urban Heat Islands: Innovative Tools, Vulnerability Assessment, and Climate Justice in Padua and Venice
  Carlo Zanetti (University of Padua, Italy)
- Who benefits from severe weather warning systems?
  Pablo Irurzun (National Meteorological Service, Argentina)
- ECMWF's Perspective: Forecasting Natural Hazards and Their Impact on Society
  Francesca Di Giuseppe (European Centre for Medium-Range Weather Forecast, UK)

21:45-23:00 UTC

Introduction to poster session

Poster session in Gather town

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W & S

Session 2, 27 February 19-23 UTC

Observations and forecasting

Register here

Conveners:
Henning Rust (FU Berlin, Germany),
Don Nelson (University of Georgia, USA),
Tobias Geiger (Deutscher Wetterdienst, Germany)

19 - 19:30 UTC

Welcome

Invited talk: *Sally Potter (GNS Science, New Zealand)*

Q&A

19:30-20:30 UTC

- How to provide actionable information on weather and climate impacts? A summary of strategic, methodological and technical perspectives.
  Tobias Geiger (DWD, Germany)

- Analysis of meteorological thresholds and its association with impact data: methodological process in Argentina.
  Marcos Saucedo (National Meteorological Service, Argentina)

- Human Weather- and Impact- Reports – a crucial support to mitigate extreme weather- and climate- impacts?
  Thomas Krennert (GeoSphere, Austria)

- Refining impact data for verification of Impact based Forecasts and Warnings
  Faye Wyatt (Mett Office, UK)

20:30-20:45 UTC

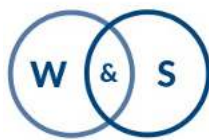*Break*

20:45-21:45 UTC

- WISER EWSA - Satellite nowcasting for early warning in Africa
  Simon Ageet (University of Leeds, UK)

- Indian Land Data Assimilation System (ILDAS): A Transboundary Water Modeling System Over South Asia to reduce Flood Risks
  Manabendra Saharia (Indian Institute of Technology Delhi, India)

- Incorporating Principles of Environmental Justice into Forecast Informed Reservoir Operations in the United States
  Elissa Yeates (University of Georgia, USA)

- Accuracy versus Precision: Refining Weather Forecasts for Climate Adaptation
  Etienne Dunn-Sigouin (NORCE, Norway)

21:45-23:00 UTC

Introduction to poster session

Poster session in Gather town

WORLD METEOROLOGICAL ORGANIZATION

WWRP WORLD WEATHER RESEARCH PROGRAMME

WG SERA

Freie Universität Berlin

Session 3, 28 February 7-11 UTC	**Dissemination and communication**
Register here	_Conveners:_ _Thomas Kox (Weizenbaum-Institute, Germany),_ _Isadora Jiménez (Lobelia Earth, Spain),_ _Carla Mooney (Bureau of Meteorology, Australia)_

7 - 7:30 UTC

Welcome

Invited talk: _Chloe Fletcher (Global Health Resilience, BSC, Spain)_

Q&A

7:30-8:30 UTC

- Dynamic Communication of Weather Risk: A User-Centered Design Approach
  Sharanya Majumdar (University of Miami, USA)
- Effects of weather-related road accident forecasts on risk perception and travel decisions
  Nico Becker (Freie Universität Berlin, Germany)
- Beyond impact forecast: Towards collaborative decision support for a storm-resilient society
  Jouke de Baar (KNMI, Netherlands)
- Using plain language to structure warning communication and raise situational awareness
  Anders Sivle (The Norwegian Meteorological Institute, Norway)

8:30-8:45 UTC

Break

8:45-9:45 UTC

- Challenges and Innovations in Dissemination and Communication for Early Warning Systems in Bangladesh: A Focus on Practical Action's Approaches
  Tamanna Rahman (Practical Action, Bangladesh)
- Social economic benefits of weather and climate information for South Africa's health sector
  Miriam Murambadoro (South African Weather Service, South Africa)
- A climate service co-production experience tailored to the hydroenergy sector in South America.
  Alejandro Godoy (National Meteorological Service, Argentina)
- SAMET, a fully automated regional early warning system: successes, mistakes, lessons learned
  Gabriele Franch (Fondazione Bruno Kessler, Italy)

9:45-11:00 UTC

Lightning talks and panel disussion

Follow-up discussions in Gather town

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W & S

Session 4, 29 February 7-11 UTC

Register here

Preparedness to respond

Conveners:
Everisto Mapedza (International Water Management Institute, South Africa),
Jelmer Jeuring (Norwegian Meteorological Institute, Norway),
Marion Tan (Massey University, New Zealand)

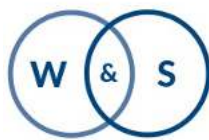|	
7 - 7:30 UTC	Welcome Invited talk: *Emma Hudson-Doyle (Massey University, New Zealand)* Q&A
7:30-8:30 UTC	• Utilising the World Risk Poll: Analysing predictors of risk perception and preparedness to develop effective weather risk communication strategies *Andrea Taylor (Leeds University, UK)* • Social contextualization of EW4A *Biswanath Dash (Birla Institute of technology and sciences Pilani, India)* • Building a culture of heat in the UK: addressing the country's lack of preparedness *Candice Howarth (London School of Economics and Political Science, UK)* • Influence of winter weather information on mobility decisions, behaviour, and risk outcomes: A look through Theory of Planned Behavior and Social Practice Theory lenses *Brian Mills (ECCC and University of Waterloo, Canada)*
8:30-8:45 UTC	*Break*
8:45-9:45 UTC	• Engaging, Communicating and Training: An holistic Approach to Addressing Equity in Weather Warnings *Justin Sharpe (CIWRO, USA)* • Analyzing the flood risk management process at Doctors Without Borders during the 2019 and 2020 floods in Pibor, South Sudan: shifting practices and mindset *Rob D'hondt (Doctors Without Borders MSF, Belgium)* • Towards a collaborative development of a flash flood early warning system: Insights from the PREVENIR Project in two pilot basins of Argentina *Julián Goñi (National Meteorological Service, Argentina)* • Action-oriented early warning services to support humanitarian decisions across timescales. *Tamara Janes (Foreign, Commonwealth & Development Institute, UK)*
9:45-11:00 UTC	Introduction to poster session Poster session in Gather town

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WEATHER & SOCIETY
CONFERENCE, February 26 - 1 March 2024**

Session 5, 1 March 7-11 UTC	**Monitoring and evaluation**
Register here	*Conveners:* *Beth Ebert (Bureau of Meteorology, Australia),* *Adriaan Perrels (Tyrsky Consulting, Finland),* *David Hoffmann (Bureau of Meteorology, Australia)*

7:00 - 7:30 UTC

Welcome

Invited talk: *Daniela D'Amen (National Meteorological Service, Argentina)*

Q&A

7:30-8:30 UTC

- All-Vulnerability Warning Systems (AVWS)
  Ilan Kelman (University College London and University of Agder, UK)
- Factors influencing willingness to pay for current weather forecasts
  Jeff Lazo (Jeffrey K Lazo Consulting LLC, USA)
- Evaluation of the Warning Value Chain as an educational approach for university students
  David Hoffmann (Bureau of Meteorology, Australia)
- A framework and guide for using value chain approaches to understand, measure, improve, and design early warning systems
  Beth Ebert (Bureau of Meteorology, Australia)

8:30-8:45 UTC

Break

8:45-9:45 UTC

- Value added by hazard impact modelling within the warning value chain for three impactful surface water flooding events in 2022
  Robert Neal (Met Office, UK)
- How to assess the socioeconomic benefits of a new Polar satellite constellation
  Adriaan Perrels (Finnish Meteorological Institute, Finland)
- Forecasting for the Lightening Hazards in India: An Object-based Verification
  Harvir Singh (National Centre for Medium-Range Weather Forecasting, Ministry of Earth Sciences, India)
- Warnings of intense convective rainfall approached from a value chain perspective
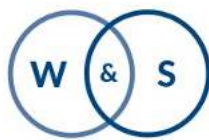 *Brian Golding (Met Office, UK)*

9:45-11:00 UTC

Conference closing

- Next steps, the PEOPLE project in the WWRP.
  Prof. Coleen Vogel (WITS University, South Africa)

Informal after event gathering in Gather town

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CONFERENCE, February 26 - 1 March 2024

**14 March
8-9 UTC and 20-21 UTC**

Register here

Post Conference Workshop: Cross-cutting enablers, particularly partnerships and locally led action

Conveners:
Carina Fearnley (University College London, UK),
Ilan Kelman (University College London, UK; University of Agder, Norway)
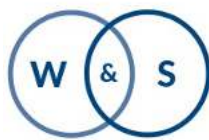
Join our participatory workshop on cross-cutting enablers, where we will synthesize the insights and learnings from the conference to advance the concept of "Early Warning for All", focussing on partnerships and locally led action. We aim to foster a dynamic discussion to share their perspectives on what should be done or examples of successful initiatives, emphasizing both achievements and areas for improvement. Specific cross-cutting enablers include but are not limited to:

- Inclusivity and intersectionality: Accounting for individuals' and groups' characteristics that support and impede the warning process.
- Integration: Components of warnings should rarely be separated as standalone elements, invoked without prior work. Instead, they ought to be connected to daily life and livelihoods, becoming part of people's typical experiences.
- Imagination: Creativity and exchange are important to learn from each other, to offer ideas to each other, and to consider the warning process beyond what we might be used to.
- Initiative and leadership: Everyone can offer contributions and everyone must learn from each other, often taking the initiative and leadership to become a student and to become a teacher.
- Ensuring that the warning process starts with people, referring to The First Mile of warning systems rather than The Last Mile.
- Considering all time and space scales, so late warning systems and medium warning systems in addition to early warning systems.
- Focusing on multi-vulnerability warning systems to incorporate but move beyond multi-hazard warning systems.

Your attendance will help shape a tangible outcome from the conference to help the creation of accessible and effective warnings for all. We look forward to your insights.

The workshop will be carried out twice to facilitate participation around the globe.

Session time zones
The agenda is provided in UTC time, please find below the conversion to other time zones. All sessions will be recorded.

Session 1 and 2

-7	12:00 - 16:00 MST (USA, Colorado)
-5	14:00 - 18:00 EST (USA, Miami)
-3	16:00 - 20:00 GMT-3 (Argentina)
--	**19:00 - 23:00 UTC (UK)**
+5.5 *	00:30 - 4:30 IST (India)
+8 *	3:00 - 7:00 PST (Philippines)
+11 *	6:00 - 10:00 AEDT (Australia, Melbourne)
+13 *	8:00 - 12:00 NZDT (New Zealand)

Session 3, 4 and 5

-7	00:00 - 4:00 MST (USA, Colorado)
-5	2:00 - 6:00 EST (USA, Miami)
-3	4:00 - 8:00 GMT-3 (Argentina)
--	**7:00 - 11:00 UTC (UK)**
+5.5	12:30 - 16:30 IST (India)
+8	15:00 - 19:00 PST (Philippines)
+11	18:00 - 22:00 AEDT (Australia, Melbourne)
+13	20:00 - 00:00 NZDT (New Zealand)

**In these timezones the session date changes*

Gather Town
An interactive space for Poster sessions and networking

Each of the sessions will end up with a poster or networking session in Gather Town, a virtual space platform that will allow participants to meet during and after the sessions, as they would in the actual hall of a face-to-face conference.

In this link you will find an easy guide to learn the essentials on how to use Gather Towm

QR to guide