

WWRP 2024-2027

Links to WCRP

Chris Davis, Chair of the WWRP SSC

New Projects

World Weather Research
Programme Implementation Plan
2024-2027



Polar Coupled Analysis and Prediction for Services (PCAPS)



Sub-seasonal Applications for Agriculture and Environment (SAGE)



Understanding vulnerability, ultra-fine-scale prediction for multi-hazards in cities



Integrated Prediction of Precipitation and Hydrology for Early Actions (InPRHA)



Progressing EW4All Oriented to Partnerships and Local Engagement (PEOPLE)



Aiding Decision-making in Vulnerable Africa with Nowcasting of ConvEction (ADVANCE).



SAGE

Victor MARCHEZINI	National Centre for Monitoring Early Warning of Natural Hazards (CEMADEN)	Brazil (RA III)	M
Steve WOOLNOUGH	University of Reading	UK (RA VI)	M
Ziqiang HAN	Shandong University	China (RA II)	M
Roger Christopher STONE	University of Southern Queensland	Australia (RA V)	M
Dewald van NIEKERK	North-West University	South Africa (RA I)	M
Parthasarathi MUKHOPADHYAY	Indian Institute of Tropical Meteorology	India (RA II)	M
Yuhei TAKAYA	Meteorological Research Institute (JMA)	Japan (RA II)	M
Masilin GUDOSHAVA	IGAD Climate Prediction and Applications Centre- ICPAC <small>provided info</small>	Kenya (RA I)	F
Arun KUMAR	NOAA National Weather Service	USA (RA IV)	M
Rachel LOWE	Barcelona Supercomputing Center - Centro Nacional de Supercomputación	Spain (RA VI)	F
Emma HUDSON-DOYLE	Massey University	New Zealand (RA V)	F
Marisol OSMAN	Centro de Investigación para la Dinámica del Mar (CIMA)	Argentina (RA III)	F
Cristiana STAN	George Mason University	USA (RA IV)	F

➔ TMRWG

➔ WCRP WGSIP

➔ INFCOM

➔ WCRP JSC

Sub-seasonal Applications for Agriculture and Environment (SAGE)

Task Teams

- **Applications Task Teams**
 - Health
 - Energy
 - Agriculture
 - Disaster Risk Reduction
- **Predictability Task Team**

PCAPS

Jørn KRISTIANSEN	Norway Meteorological Institute	Norway (RA VI)	M
Daniela LIGGETT	University of Canterbury	New Zealand (RA V)	F
Jelmer H.G. JEURING	Norway Meteorological Institute	Norway (RA VI)	M
Machiel LAMERS	Wageningen University	Netherlands (RA VI)	M
Barbara CASATI	Meteorological Service of Canada (MSC)	Canada (RA IV)	F
David BROMWICH	Ohio State University	USA (RA IV)	M
Gita LJUBICIC	McMaster University	Canada (RA IV)	F
Gunilla SVENSSON	Stockholm University	Sweden (RA VI)	F
Clare EAYRS	Korea Polar Research Institute	Korea, Republic of (RA II)	F
Philip BROWNE	European Centre for Medium-Range Weather Forecasts (ECMWF)	UK (RA VI)	M
Paola Rodriguez IMAZIO	Consejo Nacional de Investigaciones Científicas y Técnicas-Servicio Meteorológico Naciona	Argentina (RA III)	F
Andrew ORR	Natural Environment Research Council	UK(RA IV)	M
Victoria HEINRICH	Bureau of Meteorology	Australia (RA V)	F
Hanne NIELSEN	University of Tasmania	Australia (RA V)	F



SERA WG



SERA WG



JWGFVR



DAOSWG



WCRP Polar
CORDEX

Polar Coupled Analysis and Prediction for Services (PCAPS)

Task Teams

- Task Teams not yet defined; Steering Group is working on the generic ToRs
- Potential TTs discussed so far:
 - Sea-ice prediction
 - Model Intercomparison and Improvement Projects (MIIPs)
 - Tailored services to address unique needs of users



InPRHA

Celine Cattoën-Gilbert	National Institute of Water and Atmospheric Research	New Zealand (RA V)	F
Rachel Hogan CARR	Nurture Nature Centre	USA (RA IV)	F
Thara PRABHAKARAN	Indian Institute of Tropical Meteorology (IITM)	India (RA II)	F
Andrea TAYLOR	University of Leeds	UK (RA VI)	F
Vincent FORTIN	Environment and Climate Change Canada (ECCC)	Canada (RA IV)	F
Ruben IMHOFF	Deltares	Netherlands (RA VI)	M
Luca ROSSI	United Nations – Office of Disaster Risk Reduction	UNDRR	M
Jose VALLES	Dirección General de Aguas	Uruguay (RA III)	M
Yali LUO	State Key Laboratory of Severe Weather, Chinese Academy of Meteorological Sciences	China (RA II)	F
Erin DOUGHERTY	National Center for Atmospheric Research (NCAR)	USA (RA IV)	F
Everisto MAPEDZA	International Water Management Institute	South Africa (RA I)	M
Gyuwon LEE	National University of South Korea	Korea, Republic of (RA II)	M
Jan POLCHER	Ecole Polytechnique	France (RA VI)	M
James BENNETT	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	Australia (RA V)	M

→ Formerly WxMOD

→ HIWeather/PEOPLE

→ SERA WG

→ NMR WG

→ **WCRP GEWEX**

→ JWGFVR

Integrated Prediction of Precipitation and Hydrology for Early Actions (InPRHA)

Work Packages

- **WP1 DEFINE** – Define the problem of integration across the flood warning value chain
- **WP2 CONSTRUCT** – Construct and collect experiments that integrate meteorology, hydrology and social sciences for effective warning
- **WP3 EXPERIMENT** – In-depth analysis of case studies and experiments towards integration of predictions for early actions
- **WP4 COMMUNICATE** – Community engagement and co-production to foster knowledge exchange and outreach



Integrating Prediction of Precipitation and Hydrology for Early Actions

PEOPLE

Coleen Vogel	University of the Witwatersrand, South Africa	South Africa (RA I)	F
Subho Samaddar	DPRI, Kyoto University	Japan (RA II)	M
Marion Tan	Massey University	New Zealand (RA V)	F
Joanne Robbins	Met Office UK	UK (RA VI)	F
Carla Mooney	Bureau of Meteorology Australia	Australia (RA V)	F
Debra Roberts	Ethekwini Municipality (former)	South Africa (RA I)	F
Juan Pablo Oliva-Hernandez	Guatemala with the UNDRR in EW4All	Guatemala (RA IV)	M
Fatima Akter	Dept. of Meteorology, Dhaka Univ. Bangladesh	Bangladesh (RA II)	F
Tek Maraseni	Indigenous and traditional knowledge (TT-ILK)	Australia (RA V)	F
Eddie Edjenga	Red Crescent Climate Centre	Uganda (RA I)	M
Camila Prudente (ECR)	YESS member with a strong social science background	Argentina (RA III)	F
Kendra Gotangco	WCRP - Rifs or My climate Risk	Philippines (RA II)	F
Andrea Taylor	University of Leeds, UK	UK (RA VI)	F



HiWeather



SERA WG



WCRP My Climate Risk



HiWeather/InPRHA

- **Open call for chairs and committee members**
 - 70+ applications + nominations
 - Two chairs selected (pending PR approval)
- **Starting in 2025**
 - Connections to GAW and WCRP (and other WMO)
 - Steering committee to be selected (before SSC mtg)
 - Possibility for subgroups

Thank you

