

# ACRE Drought and Flood meeting program

*\*Before name = remote presentation*

*Presentation time 30 minutes, with recommendation of last 5 minutes for questions.*

## Monday Sept 23rd:

2000: **Registration & Welcome reception** outside the Mon Repos Museum (ex-Royal summer Palace) (meal included) with informal discussions if we want

## Tuesday Sept 24th:

0900: **Registration** if needed

## Introduction & Opening

**Rob Allan**

**Christos Zerefos/Dimitra Founda**

*In principle we will take advantage of the participation of Christos Zerefos and maybe Dimitra Founda for outreach activities (public talk, TV, radio etc).*

0930: **Rob Allan:** Short overview of ACRE

## Data & Data Rescue

(Session Chair: Roger Stone Online Presentation Coordinator: Ed Hawkins  
Rapporteur: Praveen Teleti)

0945: **Andrea Kiss:** Documentary evidence based multi-centennial flood and drought series in Europe: an overview.

1015: **Dimitra Founda:** The historical sub-daily climatic observations in Greece - Efforts to improve access and exploitation.

1045: **Morning Tea.**

1115: Presentation of the bi-annual WMO Professor Mariolopoulos Trust Fund Award for young scientists for exceptional contributions to meteorology and climatology in 2024.

1130: **\*Stefan Grab:** The use of documentary and digitized farm rainfall records to place central Karoo droughts in perspective.

1200: **\*Richard Cornes:** Marine data pipelines (getting recovered data into global international repositories).

1230: **Vicky Slonosky:** Canadian floods and droughts in meteorological observations and newspaper reports: the Canada-Wx historical database and DRAW.

1300: **Rob Allan:** Historical Medicanes: Data Requirements.

1330: **Lunch & offline discussions (at the venue).**

1530: **Catherine Ross:** Rainfall Data Rescue activities at the UK Met Office National Meteorological Archive – current activities, use in climate monitoring, and next steps.

1600: **\*Mariela Vasquez:** ACRE Chile, efforts and advances.

1630: **\*Stefan Bronnimann:** Atlantic-European Jet Variability from Rescued Daily Pressure Series.

1700: **Afternoon Tea.**

1730: **Day One Close**

## **Wednesday Sept 25th:**

0900: **Registration if needed**

### **Data & Data Rescue (continued)**

**(Session Chair: Gil Compo Online Presentation Coordinator: Vicky Slonosky  
Rapporteur: Christa Pudmenzky)**

0930: **Praveen Teleti:** Roadmap to discover, transcribe, and analyse early 20th Century weather observations from Singapore, West Malaysia, and northern Sumatra.

1000: **Christa Pudmenzky:** Weather Detective.

1030: **Togo Tsukahara, Hisayuki Kubota, Jun Matsumoto, Alice de Jong, Masumi Zaiki, Ikumi Akasaka and Atushi Ota:** Preliminary result of research into Dutch Naval Logbook and weather related datasets.

1100: **Morning Tea.**

1130: **Theo Brandsma:** Digitization of the Royal Netherlands Navy logbooks in the 1813-1960 period for climate reconstruction.

1200: **\*Matt Hannaford, David Nash and Bárbara Direito:** Documentary reconstruction of rainfall variability in Mozambique during the nineteenth century.

1230: **Chih-Hsuan Chang, Elaine Kuanhui Lin, Yu-Shiang Lin and Wan-Ling Tseng:** Adjusting Standardized Precipitation Index to reconstruct 0.5° x 0.5° drought data from documentary records in the Chinese dynasties since the mid-14th century.

1300: **\*Peter Thorne:** Global Land and Marine Observations Database (GLAMOD).

1330: **Lunch & offline discussions (at the venue).**

1530: **Denis Stuber:** Meteo-France Data Rescue activities.

1600: **\*Pablo Canziani and Gabriela Lakkis:** The four longest monthly precipitation time series (150+ years) for Argentina's Pampas and Mesopotamia regions: a preliminary analysis.

1630: **Afternoon Tea.**

1700: **\*Maria Antonia Valente:** Data and metadata errors induced by publications of Instituto Geofísico do Infante D. Luiz.

1730: **Alessandro Ceppi:** The Dieci e Lode project - recovery of meteorological observations relating to the former Italian colonies (in particular Eritrea, Somalia, Ethiopia, Libya).

1800: **Day Two Close.**

**Guided tour of Corfu old town (catch local bus from Mon Repos).**

## Thursday 26th:

0900: **Registration if needed**

## Analysis & Reanalysis

**(Session Chair: Roger Stone Online Presentation Coordinator: Vicky Slonosky  
Rapporteur: Praveen Teleti)**

0930: **Hisayuki Kubota (Hokkaido University) and Masayoshi Ishii (Meteorological Research Institute):** Activities of ACRE Japan 2023-2024 - Ships around Japanese waters during the 18th and 19th centuries and new climate reanalysis "OCADA".

1000: **Gil Compo:** Developing reliable drought monitoring indices from a 200-yr atmospheric reanalysis dataset and future plans for the 20th Century Reanalysis.

1030: **Gil Compo:** The Great California Flood of 1861-1862 and the Great Mississippi Flood of 1874: Examples of Extremes in Precipitation

1100: **Morning Tea.**

1130: **Philip Brohan:** How to tame an evil variable: Machine Learning models of precipitation.

1200: **Ed Hawkins:** Translating extreme weather events into different climates.

1230: **\*Julie Jones/Richard Hall:** NERC project Decades (Decadal Changes in the Amundsen Sea) - Reconstructing the Amundsen Sea Low.

1300: **Marlies van der Schee:** The new melded WMO IDARE and Copernicus Data Rescue Portal.

1330: **Lunch & offline discussions (at the venue).**

## Applications & Services

**(Session Chair: Philip Brohan Online Presentation Coordinator: Ed Hawkins  
Rapporteur: Denis Stuber)**

1530: **Roger Stone and Christa Pudmenzky:** Using modern reanalysis systems to improve understanding of atmospheric instability associated with severe thunderstorms in southern Queensland and southern Victoria, Australia.

1600: **Christa Pudmenzky:** 20th Century Reanalysis data underpins research into wind erosion in Australia.

1630: **Ian Goodwin:** Australian East Coast Lows and Large-Scale Circulation from Documentary Evidence, the Natural Archive and Paleoclimate Data Assimilation.

1700: **\*Cathy Smith:** The current status of the Web-based Reanalysis Inter-comparison tools (WRIT) and plans for the future.

1730: **Afternoon Tea.**

1800: **Day Three Close.**

***Greek night (conference dinner) in taverna Trypas (Kynopiastes) in a nice village (we go by bus): Accompanying persons can join the social programme without extra charge***

## **Friday 27th:**

0900: **Registration if needed**

### **Applications & Services (continued)**

**(Session Chair: Rob Allan   Rapporteur: Christa Pudmenzky)**

0930: **Stavros Solomos:** Modeling reconstruction of weather conditions during historical events. The examples of Salamis Battle in 480 B.C. and Arachova battle in 1826.

1000: **Presentation led Open Discussion: ACRE & the future**

1030: **Philip Brohan:** Artificial Intelligence and Machine Learning for ACRE? **(5-10 minute talk leading into discussions).**

1100: **Ed Hawkins & Vicky Slonosky:** Making an impact through the press and social media. **(5 minute talks each leading into discussions).**

1130: **Morning Tea.**

1200: **Gil Compo:** The future of reanalysis. **(5-10 minute talk leading into discussions).**

1230: **Roger Stone:** Moving ACRE more towards applications. **(5-10 minute talk leading into discussions).**

1300: **Next Meeting thoughts then Close.**