Huracán 3ʳᵈ General Assembly

University of Newcastle | 13ᵗʰ – 15ᵗʰ January, 2026

research.reading.ac.uk/huracan

Information

Dates: 13ᵗʰ–15ᵗʰ January, 2026
Location: Stephenson Building (4ᵗʰ floor), University of Newcastle
Online: Join the meeting via Teams
Organisers: Alex Baker, Haider Ali, Hayley Fowler, Pier Luigi Vidale

Programme

*Room **STB.4.035** — plenary*
*Room **STB.4.034** — lunch and tea/coffee breaks; breakouts and side discussions*

Tuesday, 13ᵗʰ January — Science progress

Times are GMT

13:00 Arrival & lunch

14:00 Welcome, housekeeping, and meeting overview
Hayley Fowler & Pier Luigi Vidale

14:10 Project update
Pier Luigi Vidale

14:30 Software developments and demo: *huracanpy* etc
Leo Saffin

14:40 Datasets overview
Kevin Hodges, Pier Luigi Vidale, Alex Baker

15:00 Break

WP1

15:30 WP1 update
Juliane Schwendike (Leeds)

15:40 Dynamics of land and oceanic Atlantic basin mesoscale vortex populations in global km-scale models
Ben Maybee (Leeds)

16:00 Tropical cyclone seeds
Xiangbo Feng (Reading / Imperial)

16:30 *Breakout #1 — Climate change, storylines and case studies*   (join via Teams)
    — Criteria for storylines and cases
    — Simulations to target and anticipated outcomes

17:30 **End**

Wednesday, 14ᵗʰ January — Science progress

09:30 **Intro to day**
Pier Luigi Vidale

09:40 **REPRESA project: New insights into changing tropical cyclone hazards and barriers to early warning uptake**
Lizzie Kendon (Met Office)

10:10 *Discussion*: **Bring together breakout #1, REPRESA results, case studies**

10:30 **Break**

`WP2`

11:00 **WP2 and WP3 update**
John Methven (Reading) & Ralf Toumi (Imperial)
11:20 **Using storylines and statistical models to better understand changes in CTOs**
Kevin Reed (Stony Brook)
11:40 **IRIS: accounting for extra tropical transition**
Ralf Toumi (Imperial)   *online*

12:00 **Lunch**

13:00 **Global increase in tropical cyclone storm surges and their socioeconomic impact**
Xiangbo Feng (Reading / Imperial)
13:20 **TBC**
TBC

`WP3`

13:40 **Wacky tracks**
Leo Saffin (Reading)
14:00 **Understanding variability of impactful CTOs**
Gregor Leckebusch (Birmingham)
14:20 **Perspectives on CTO midlatitude survival**
Elena Bianco (Birmingham)

14:40 *Additional discussion time*

15:00 **Break**

WP4

15:30 WP4 update
Hayley Fowler (Newcastle)

15:40 Where we are with causal networks and attribution
Gabi Hegerl (Edinburgh)

16:00 Updates on storm surge modelling
Melissa Wood (NOC)

16:20 TBC
Colin Zarzycki (Penn State)   *online*

16:45 Connecting past and future hurricane activity changes
Gabe Vecchi (Princeton)   *online*

17:30 End

19:00 Project dinner
Blackfriars Restaurant and Banquet Hall
Friars Street, Newcastle, NE1 4XN
(arrival 19:00, dinner 19:30)

Thursday, 15th January — Final project year & legacy

09:30 Intro to day
Pier Luigi Vidale

09:40 *Breakout #2 — Impact workshop brainstorm and planning* (join via Teams)
— Idea: bring together Huracán project members and stakeholders
— Showcase: datasets and results
— Explore: potential applications and collaborations
— Action: use our current networks to develop a workshop

10:30 Break

11:00 *Breakout #3 — Project extension case* (join via Teams)
— Outline of case: what is the justification?
— Potential issues: institutions at risk or less likely to be successful?

12:00 Lunch

13:00 Reporting on breakout sessions
Breakout #1 — TBC
Breakout #2 — TBC
Breakout #3 — TBC

14:00 Open discussion / Q&A
Chair: Pier Luigi Vidale

— issues and topics arising during GA3, loose ends, AOB

15:00 Break

15:30 *Additional time for small-group planning (if needed)*
— Climate change simulations (which and for what)
— Papers (structures, scopes etc)

16:30 Meeting close

Breakouts

Breakout #1 — *Climate change, storylines and case studies*
Join via Teams

Breakout #2 — *Impact workshop brainstorm and planning*
Join via Teams

Breakout #3 — *Project extension case*
Join via Teams