MÉRA
Introduction & Status

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Met Éireann, The Irish Meteorological Service
#mera2019

Introduction & Status

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Introduction
MÉRA

• High-resolution reanalysis for Ireland
• Launch May 2017
• Project completed June 2018
• [https://www.met.ie/climate/available-data/mera](https://www.met.ie/climate/available-data/mera)

• Second User Workshop
• Over 100 registered attendees
• 3 sessions - 16 presentations
MÉRA

- Met Éireann ReAnalysis (MÉRA)
- HARMONIE-AROME NWP System cycle 38
- Conventional observations only
- 3D-Var data assimilation
- 2.5 km grid-spacing
- 65 vertical levels
- 1981 – 2015
Status
MÉRA status

- 1981-2015 completed in 2017
- Nearly keeping pace with ERA-Interim
  - Ends August 2019
- Data transfers and end-user engagement
- Plans for MÉRA-2
Data

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Users - sectoral

- Academia: 56%
- Private: 26%
- Government: 18%
Users - themes

- Environment: 49%
- Renewable Energy: 36%
- Hydrology: 13%
- Insurance: 2%
Users - nationality

NATIONALITY

- Ireland: 67%
- UK: 18%
- USA: 2%
- Netherlands: 5%
- Canada: 5%
- Germany: 3%

Met Éireann, The Irish Meteorological Service

#mera2019 #reanalysis
Plans

• Plans for new Irish reanalysis
  – Learn from MÉRA experiences
  – Learn from Copernicus C3S High-resolution Regional Reanalysis projects
  – Decide how much we want to achieve

• Watch this space!
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