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Goodbye ERA-Interim, hello ERA5

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As part of implementing the EU-funded Copernicus Climate Change Service (C3S), ECMWF is producing the ERA5 reanalysis of the global weather and climate. Production is complete for the period 1979 to the present, and an extension back to 1950 is currently in production. ERA5 replaces the highly successful ERA-Interim reanalysis that was started in 2006 and spans the period from 1979 to the present. ERA5 benefits from a decade of developments in model physics, core dynamics and data assimilation relative to ERA-Interim. In addition to a significantly enhanced horizontal resolution (31 km grid spacing compared to 79 km for ERA-Interim), ERA5 has a number of innovative features.

The time has now come to phase out ERA-Interim. New data covering the period to the end of August 2019 will continue to be made available with a delay of two to three months; after that, the production of ERA-Interim will stop. ERA5 on the other hand will be maintained as an operational product to at least the mid-2020s, when a replacement should be available.

This presentation will give an overview of the enhanced performance and innovative features of ERA5. It will also provide a walk-through of the available products and how to access them.

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