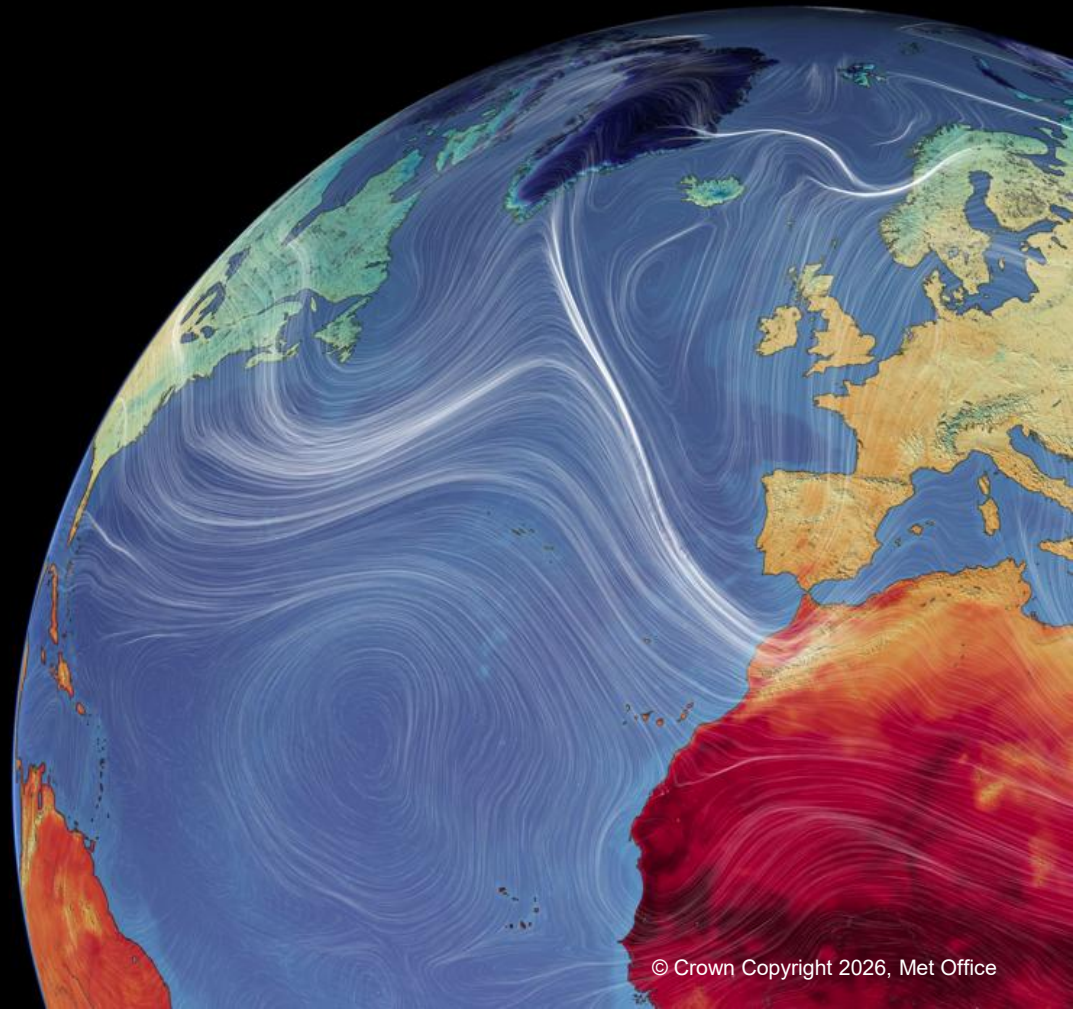


JULES Sci Apps

Rachael Turton



Module leader positions to be advertised

- New Module
 - ML & AI in JULES – 2 positions available
- Existing Modules
 - Surface – John Edwards & 1 Vacant position
 - Vegetation – Becky Oliver, Lina Mercado & 1 Vacant position
 - Fire – Chantelle Burton, Doug Kelley & 1 Vacant position

Module updates

- Fire – Chantelle/Doug
- Surface - John
- Hydrology – Nic/Sonja
- Vegetation - Becky
- Veg3 RED - Arthur
- Biogeochemistry - Noah
- Biogenic Fluxes – Garry/James
- Evaluation - Heather
- Lakes - Rachael
- ~~CABLE~~
- ~~IMOGEN~~

Lakes

No key developments in JULES lakes this year.

The world's lakes have had a challenging year. The Caspian Sea, Lake Chad, Lake Mead, Lake Powell and various others continue to shrink, demonstrating a collective reluctance to retain water.

Beyond the obvious hydrological concerns, dried lake beds are increasingly being recognised as sources of carbon emissions, prompting suggestions that investment in lake restoration could one day become a carbon offset option alongside planting trees.

There is, however, one notable exception to the prevailing trend. In Kazakhstan, the North Aral Sea continues to recover following the construction of the Kokaral Dam: water levels are rising, salinity is declining, and for once the observations are moving towards the model rather than the other way around.