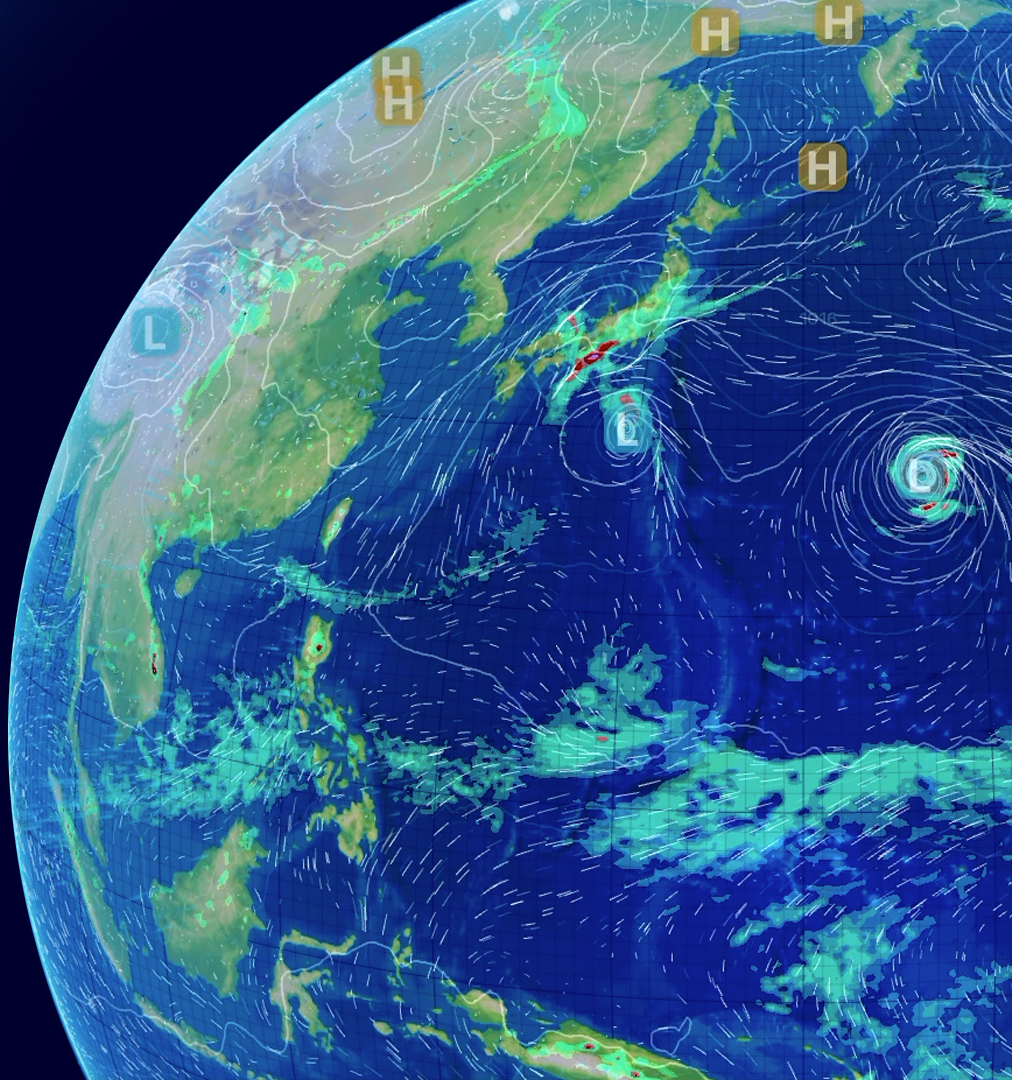
Met Office

The appliance of science in Government 1991 - 2021



Penny Endersby

Chief Executive, Met Office | 26 March 2021

Career retrospective

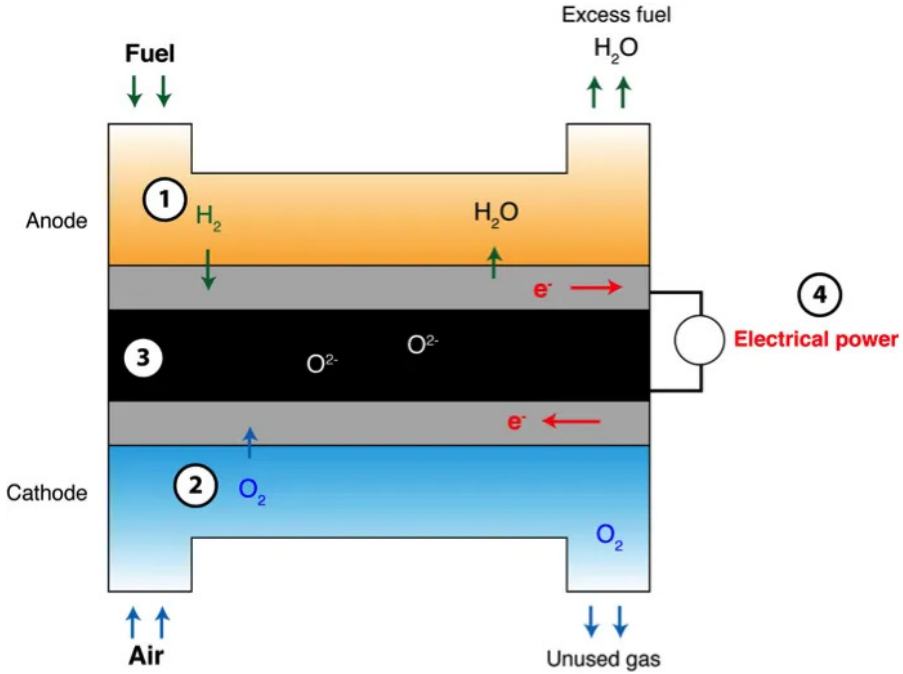
In the context of:

- The science I was doing
- The government landscape which made it useful
- What I learned along the way

Graduate scheme

- Solid Oxide Fuel Cells
- The technology which was always five years away
- The only job available
- Relocated 1993

British Gas



1993 – Novel Armour Team

Warrior with Granby fit

Peacekeeping in Bosnia

Wheelbarrow bomb disposal

Vision for light vehicles ahead of Op Telic (2003-9)

[dstl]

FRES concepts - Go first! Go Fast! Go Home!

Ajax delivered 2017

Electric Armour Team Leader

Acoustics and Hazard Assessment Groups

Physical Sciences Department

c 2009

Information Management Department

Cyber and Information Systems Division

[dstl]

SDSR 2015

[dstl]

$100,000 • 154 teams

Dstl Satellite Imagery Feature Detection

Merger and Entry Deadline

Thu 15 Dec 2016 — Tue 7 Mar 2017 (42 days to go)

Dashboard

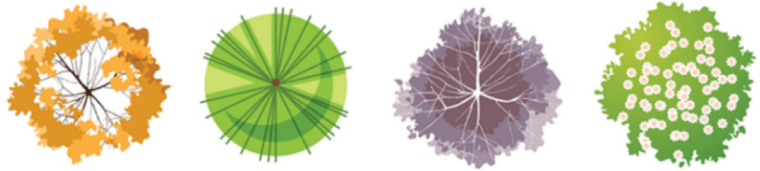
- Home
- Data
- Make a submission
- Information
  - Description
  - Evaluation
  - Rules
  - Prizes
  - Data Processing Tutorial
  - Timeline
- Forum
- Kernels
  - New Script
  - New Notebook
- Leaderboard

Public Leaderboard

Competition Details » Get the Data » Make a submission

Can you train an eye in the sky?

The proliferation of satellite imagery has given us a radically improved understanding of our planet. It has enabled us to better achieve everything from mobilizing resources during disasters to monitoring effects of global warming. What is often taken for granted is that advancements such as these have relied on labeling features of significance like building footprints and roadways fully by hand or through imperfect semi-automated methods.



Chief Executive

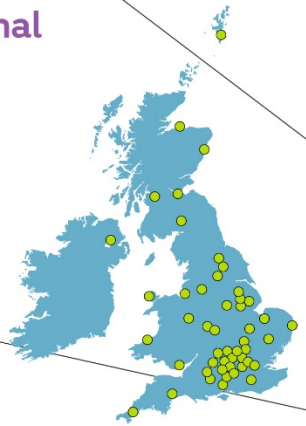
Met Office

“Helping you make better decisions to stay safe and thrive”

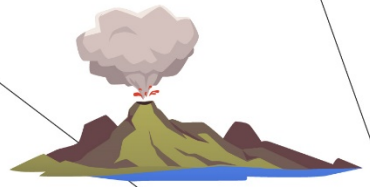
First female Met Office CEO prepares to take weather service by storm

Professor Penelope Endersby’s appointment marks the first time a woman has presided over the Met Office

National

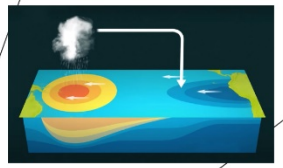


Multi-hazard



Weather

Science



Government

Department for Business, Energy & Industrial Strategy

Department for Environment Food & Rural Affairs

Department for Transport

Ministry of Defence

Foreign, Commonwealth & Development Office

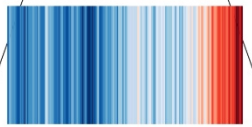
Civilian

14:1 ROI

Military

Civil Aviation Authority

THE CHAMPIONSHIPS WIMBLEDON



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WORLD METEOROLOGICAL ORGANIZATION

ARRCC Asia Regional Resilience to a Changing Climate

WISER Weather and Climate Information Services for Africa

Industry

Services

Climate

Meteorology

International

BEIS priorities

Fighting coronavirus

- Providing expertise, compute power, climate data, air quality

Backing business

- Levelling up, partnerships

Unleashing innovation

- Joint centre, academic and international roles

Tackling climate change

- COP 26, UK and global predictions, climate consultancy

The science and tech that can help

- New HPC and cloud compute
- Modelling whole earth systems
- Resilient paths to net zero
- AI and machine learning

What has physics brought me?

- A world of opportunities
- A framework for understanding
- Ability to communicate with conviction
- Credibility

Your questions…