



Here are your instructions to connect to **Venue_Reading** Network

CONNECT TO WIFI

NETWORK

Venue_Reading

PSK NAME

Kx185079 - Data Assimilation Training Course

PASSWORD

GyVG5kEU

EXPIRES ON

Sat, Jun 20 2026, 12:14:31 PM UTC



SCAN TO CONNECT

Training course on data assimilation and its interface with machine learning 2026

University of Reading
15-19th June 2026

DARC: Data assimilation Research Centre

A centre at the Univ. of Reading, crossing the Dept of Meteorology and the Dept of Mathematics & Statistics

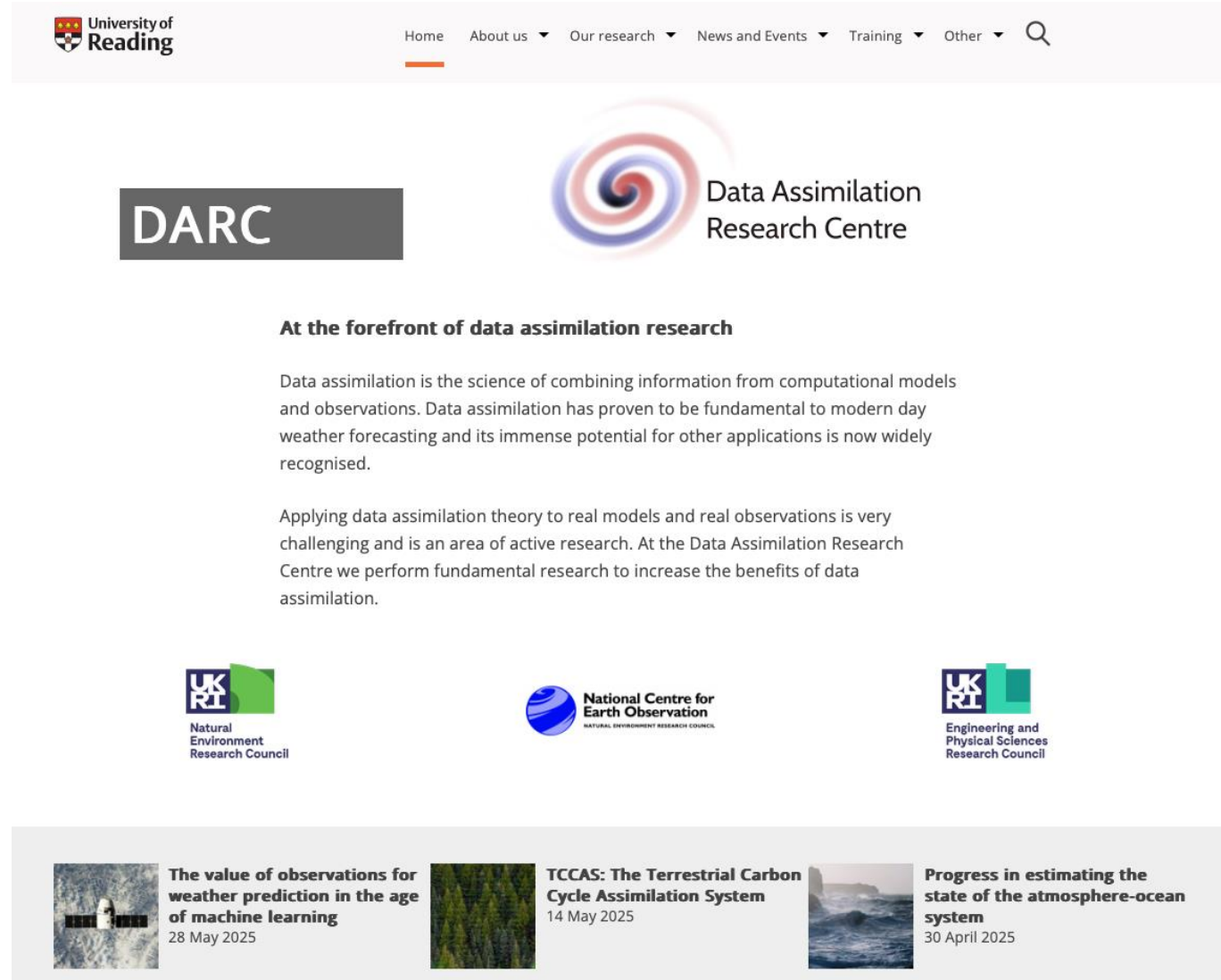
It is composed of 7 academic staff and approximately 20 PDRAs/ PhD students.

Working on many aspects of DA, from theory to new applications.

<https://research.reading.ac.uk/met-darc/>

Bluesky social <https://bsky.app/profile/unirdg-darc.bsky.social>

Check out our blog!



The screenshot shows the DARC website homepage. At the top is the University of Reading logo and a navigation menu with links: Home, About us, Our research, News and Events, Training, and Other. Below the navigation is a large banner featuring the DARC logo (a grey rectangle with 'DARC' in white) and the Data Assimilation Research Centre logo (a stylized spiral). The main content area has the heading 'At the forefront of data assimilation research' followed by two paragraphs of text. Below the text are three logos: UKRI Natural Environment Research Council, National Centre for Earth Observation, and UKRI Engineering and Physical Sciences Research Council. At the bottom is a section with three blog posts, each with a thumbnail image, title, and date.

University of Reading

Home About us Our research News and Events Training Other

DARC Data Assimilation Research Centre

At the forefront of data assimilation research

Data assimilation is the science of combining information from computational models and observations. Data assimilation has proven to be fundamental to modern day weather forecasting and its immense potential for other applications is now widely recognised.

Applying data assimilation theory to real models and real observations is very challenging and is an area of active research. At the Data Assimilation Research Centre we perform fundamental research to increase the benefits of data assimilation.

UKRI Natural Environment Research Council

National Centre for Earth Observation

UKRI Engineering and Physical Sciences Research Council

The value of observations for weather prediction in the age of machine learning
28 May 2025

TCCAS: The Terrestrial Carbon Cycle Assimilation System
14 May 2025

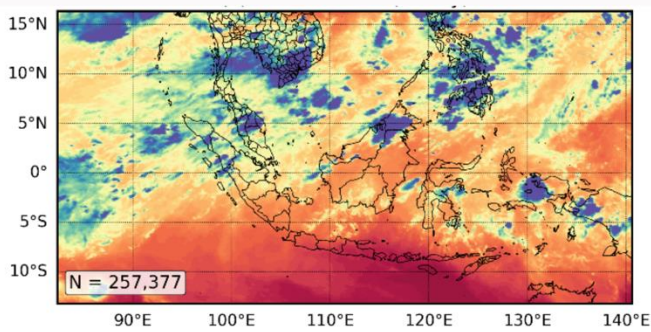
Progress in estimating the state of the atmosphere-ocean system
30 April 2025



Gaussian anamorphosis for log-normal distributions

Posted on
28 January 2026

By Yumeng Chen, January 2026.



How Satellites “See” the Atmosphere: From Observations to Weather Prediction

Posted on
20 May 2026

by Miranti Indri Hastuti, May 2026



The critical role of cross-variable covariances in high-resolution data assimilation

Posted on
11 March 2026

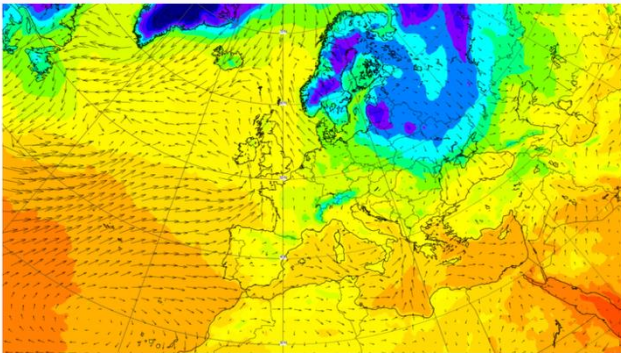
by Ravi Shankar Nemani, March 2026



Surface flux estimation and model error

Posted on
6 May 2026

by Ross Bannister, April 2026



Can you explain that again? Connecting explainable AI and data assimilation in Earth sciences

Posted on
11 February 2026

By Ieuan Higgs, February 2026



Teaching a Neural Network to Smooth the Ocean model reanalyses

Posted on
25 March 2026

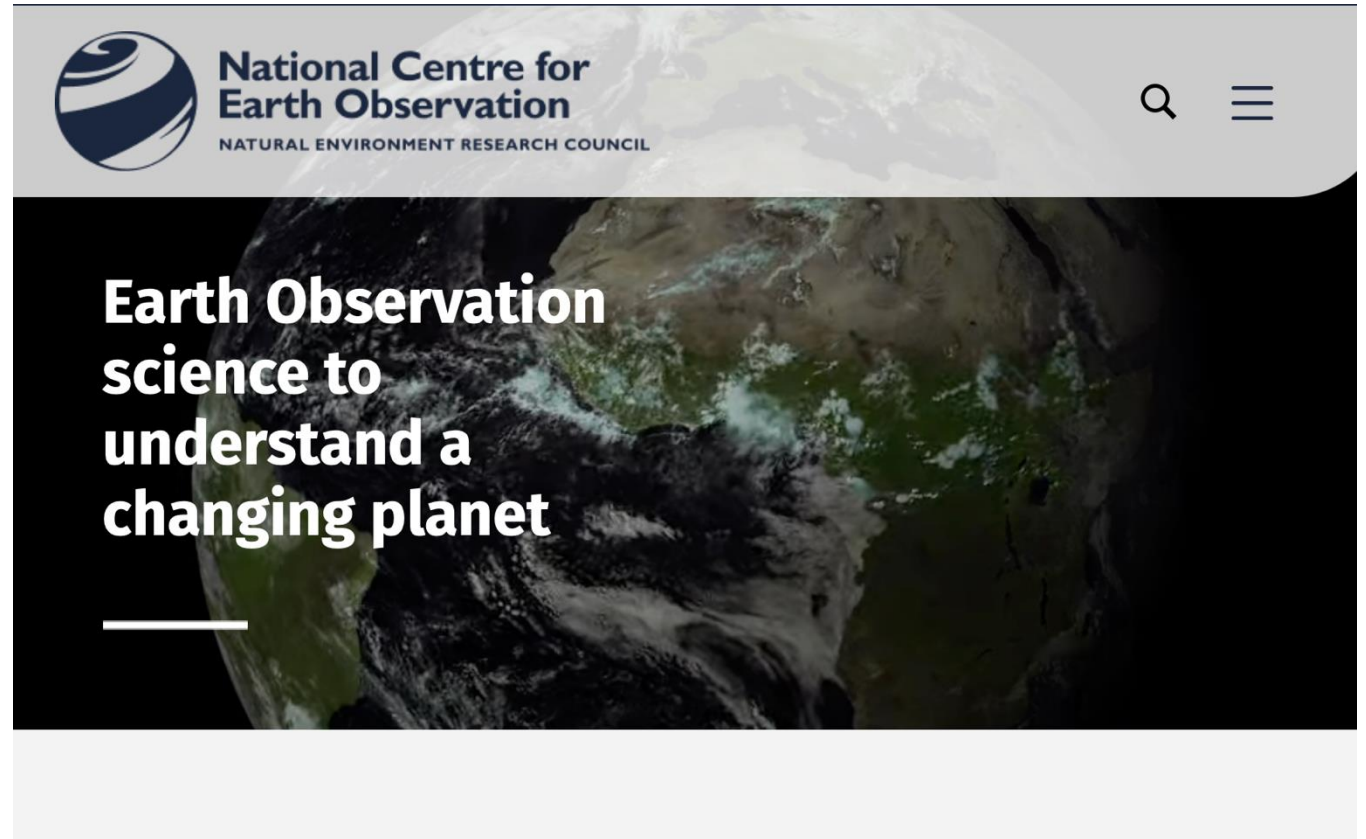
by Sukun Cheng, March 2026

NCEO: National Centre for Earth Observation

A distributed NERC centre of over 100 UK scientists, many of whom are based in Reading.

Working on all aspects of Earth Observation –instrument design, data assimilation, using EO for climate, EO for energy and water cycles, atmospheric pollution.

<https://www.nceo.ac.uk/>



This week

A very full programme of data assimilation lectures and practicals!

Delivered by a whole team of DA scientists.

Plenty of time during breaks to chat about research.

2 social events

- Icebreaker –Today from 17:15, Maths room 100.
- Course dinner at Blandfords, Park House –Thursday at 18:00

History of the DA training course

- We have been delivering some form of this course for many years!
- Your feedback is very much appreciated!



Some practical aspects (for those in person)

- The course will take place in the Maths building, room 113 (Monday - Thursday), and Maths building, room 314 (Friday).
- Photos, including group photo on Thursday.
- There are many online participants so the lectures will be broadcast live and recorded via Teams. Note that microphones are on the ceiling, so will pick up anyone speaking.
- We are not expecting a fire alarm

Lunches

Morning and afternoon refreshments are provided but lunches are not.

However, there are multiple place to get lunch across campus.



Co op
supermarket



Library cafe

We are here



Some practical aspects (for those online)

We will monitor the chat in teams, so please write here if you have any problems.

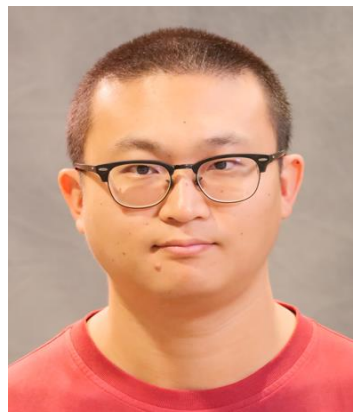
We have also set up a daily Padlet for you to submit questions to the lecturers. The links can be found on the website and we will add this into the chat throughout the week.



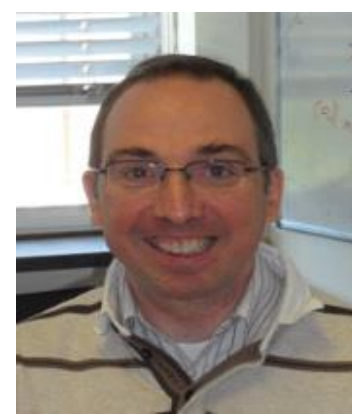
Eviatar Bach



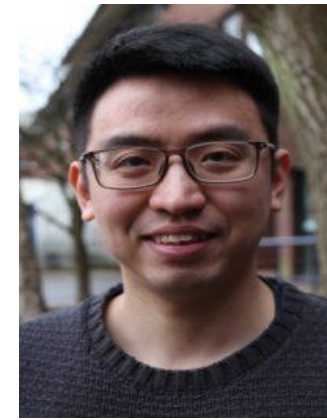
Ieuan Higgs



Yumeng Chen



Amos Lawless



Guannan Hu



Sukun Cheng



Sarah Dance



Jochen Broecker



Riccardo Monfardini



Alison Fowler



Rishabh Bhatt



Miranti Hatsuti



Ross Bannister



Ravi Nemani

Teaching staff from UoR



Liz Cooper



Tom Hill



Kate Huxtable

Tell us about yourselves



<https://www.menti.com/al3i2v5ev9tu>

Enjoy the week, ask questions and
have fun!



