

## Citizen Science Challenge



Put your maths, science and geography skills to work to ...

### become a Climate Scientist!

Your challenge is to:

- Collect weather data at your school or home
- Compare your findings with the weather predicted for your area
- Upload your data to a central portal on the CliMathNet website where we will analyse it all to determine how reliable the weather forecasts are across the country!
- See the results of your contribution when the findings are shown on the website
- Have a go at running your own Climate Model!

More information and portal:

<http://www.climathnet.org/forschoolsandpublic/>

## About us

This network brings together researchers who work on climate science with mathematicians and statisticians so that they can collaborate on tackling nationally and internationally important climate change questions.

The CliMathNet project is managed by Dr Emily Paremain and led by Prof Peter Ashwin at the University of Exeter and Prof Chris Budd at the University of Bath. They are assisted by Prof Peter Cox, Prof Peter Challenor and Dr Sebastian Wieczorek.

CliMathNet is funded by a UK research funding organisation, the Engineering and Physical Sciences Research Council (EPSRC), as part of a wider collaborative programme Living With Environmental Change (LWEC).

**EPSRC**

Pioneering research and skills



We are associated with several international networks and with "Maths for Planet Earth 2013".



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**A network for people interested in Climate Science, Mathematics and Statistics**



**Are you concerned about Climate Change?**

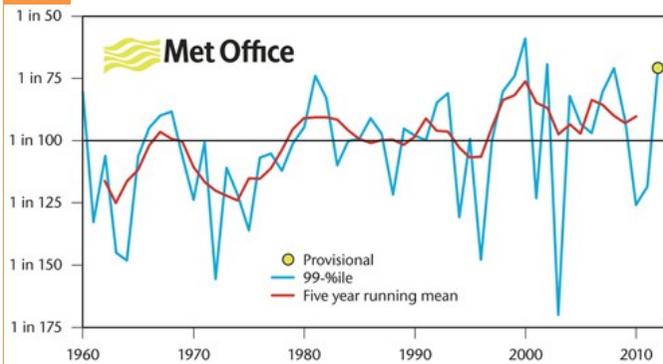
**Did you realise that the maths and stats that you learn at A level is used to help predict the climate?**

<http://www.climathnet.org>

## Are you following the climate change debate?

**2012 was the second wettest year on record in the UK (Met Office, 2013)**

Met Office analysis indicates that 'extreme' days of rainfall may have become more frequent over time (Met Office, 2013).



Graph: Contains public sector information licensed under the Open Government Licence v1.0

**By using your maths, you can understand and contribute to the climate change debate**



Maths is the way that we understand both the weather and climate change

This helps to make decisions:

such as to raise the **Thames Barrier** to prevent London from flooding



image: James Campbell



Or, **applying fertilizer** to land at the right time to reduce the chances of it being washed into the rivers

Or, to **plan for climate extremes**



Network aims:

- To bring together climate scientists with mathematicians to improve our understanding of climate
- To look at what the key questions are for mathematicians in climate science that will be useful for developing future policy
- To provide high quality and engaging information to schools and the wider public on the important role of mathematics in climate science

How to get involved - for students and teachers:

We are developing ..

- Climate Change - does it all add up? ... a downloadable presentation by Chris Budd
- Citizen science challenge to **become a climate scientist**
- Talks to schools by the network members
- Your chance to talk to a climate scientist
- Website pages for schools: [www.climathnet.org/forschoolsandpublic/](http://www.climathnet.org/forschoolsandpublic/)