

**Understanding how Earth is losing its cool: exploiting new observations of the Earth from the surface, aircraft and space**

*Supervisor: Helen Brindley (SPC community, Department of Physics)*

- How well do we currently understand the radiative effects of atmospheric humidity, cloud properties and different surface types?
- What does that mean for
  1. our understanding of fundamental radiative feedbacks within the Earth system and hence future climate evolution
  2. how we should mitigate, and adapt to, climate change

These are the big picture questions that my team is tackling using a combination of new ground-based, airborne and satellite instruments in concert with state-of-the-art modelling tools. If they sound like questions you would like to contribute towards answering please get in touch using the email address below and take the opportunity to help design your own PhD project.

Contact: Prof Helen Brindley, [h.brindley@imperial.ac.uk](mailto:h.brindley@imperial.ac.uk)