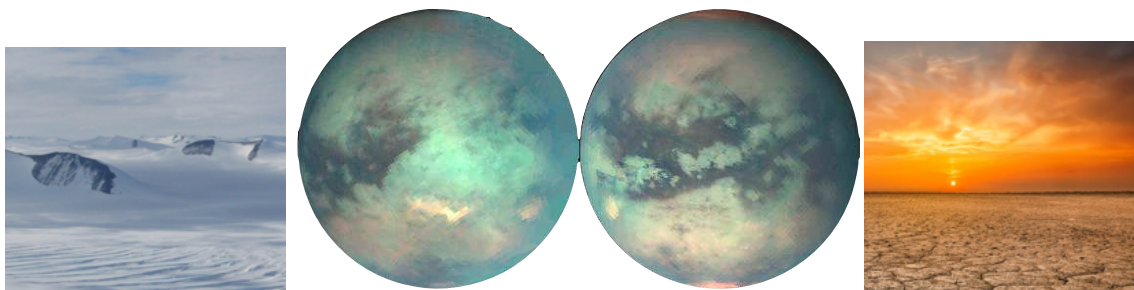


Postdoc in Climate Dynamics and/or Planetary Climate

with Prof Geoffrey Vallis, University of Exeter

Starting early 2019



We wish to recruit a Postdoctoral Research Fellow to perform research in planetary climate, including but not limited to Earth's climate. This project will explore some of the general principles governing the climate and circulation of planetary atmospheres, including the Earth, and will seek to determine the relationship of Earth's circulation to that of other planets.

You will perform theoretical and computational studies into the nature of unusual climates on Earth and other terrestrial planets. These studies may include, for example, research into the nature of the equable climates of the early Eocene or other warm-Earth climates, or the nature of the hydrology cycle on slowly rotating planetary bodies such as Titan. More generally, the research may investigate the factors determining the temperature gradient between the equator and pole in a moist atmosphere, including its dependence on seasonality, ocean heat transport, continental configuration, cloud feedbacks, and other factors. This postdoc project will address just one or two of these topics in detail. One goal is to set Earth's climate in the context of planetary climates more generally, learning lessons that may be applicable to Earth's future climate.

The successful applicant will have a PhD and be knowledgeable in climate dynamics, planetary dynamics and/or geophysical fluid dynamics or related fields, and ideally will have expertise in both theory and numerical modelling. The position is available from early 2019. To apply please see:

<http://admin.exeter.ac.uk/personnel/jobs/P64608.pdf>

The closing date for applications is January 14 2019. Please contact me directly if you would like more information, at g.vallis@exeter.ac.uk.