



## **Potential volcanism in future climate impact assessment**

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Climate impact assessments typically rely on Earth system simulations of the 21st century that do not include volcanic eruptions. In a new study (<http://nature.com/articles/doi:10.1038/nclimate3394>), we show that climate variance inflates if plausible volcanic forcing is applied to such simulations. Increased climate variance exerts additional stresses on ecosystem and society. Incorporating potential volcanism in climate impact assessments can thus be important for certain adaptation and mitigation decisions. This talk aims to address: How can we use knowledge of past volcanism to inform impact assessments in the wake of CMIP6? Where can we expect the consideration of volcanism to make a difference?