International team head to Papua New Guinea to measure volcanic carbon degassing[1]

An international team of scientists is traveling to the islands of Papua New Guinea this September to study degassing from active volcanoes in remote jungles there. Some of these volcanoes are among the most active on Earth, ejecting a significant proportion of global volcanic gases into the atmosphere.

The team, led by Cambridge Earth Sciences' and Deep Carbon Observatory DECADE (**DE**ep **CA**rbon **DE**gassing) scientist Brendan McCormick, and supported by DCO and NERC COMET, will trek through uncharted volcanic lands and deploy instrumentation at target volcanoes including Rabaul, Ulawan, Pago, and Garbuna volcanoes on the island of New Britain, and Bagana volcano on Bougainville. Working in close collaboration with Rabaul Volcano Observatory, the team, which also includes Roberto D'Aleo (Università degli Studi di Palermo, Italy), Peter Barry (University of Oxford), Lois Salem (University of Cambridge), and Bo Galle, Santiago Arellano, and Julia Wallius (all at Chalmers University of Technology, Sweden), aims to provide the first detailed measurements of carbon degassing from the region.

On Saturday, 27 August 2016, team member Lois Salem appeared on Soho Radio London in their Science Mixtape show. You can hear the show at: https://audioboom.com/boos/4986033-mega-magma

The Deep Carbon Observatory (DCO) is a global community of multi-disciplinary scientists unlocking the inner secrets of Earth through investigations into life, energy, and the fundamentally unique chemistry of carbon.

[1] Published September 2016 © Department of Earth Sciences

Team leader Brendan McCormick on Etna Volcano