

RESEARCH AND INNOVATION FORUM: VOLCANIC AND TECTONIC MULTHAZARDS



UNIVERSITY OF
OXFORD



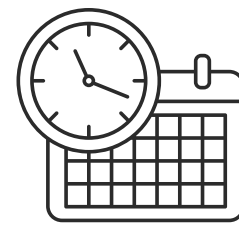
COMET



British
Geological
Survey

Join us for an exciting collaborative engagement event to:

- Learn how our research can benefit your organisation
- Network with academics and industry experts
- Collaborate with world-renowned specialists in Earth Observation and modelling of natural hazards
- Discuss how to close key cross-sector skills gaps
- Develop project ideas and plans



Thursday 28th Nov 2024
10.30-17.00
(drinks reception 6pm)

Friday 29th Nov 2024
9.30-12.00



University of Oxford, UK



PROGRAMME

Thursday 28th November 2024

LOCATION: DEPARTMENT OF EARTH SCIENCES,
SOUTH PARKS ROAD, OXFORD, OX1 3AN

10.30 - 11.00

Registration (Reception Area)
Refreshments (Atrium)

11.00 - 11.15

(Earth Sciences Lecture Theatre)

**Introduction to the UK Centre for
Observation and Modelling of Earthquakes,
Volcanoes and Tectonics (COMET)**

Speaker: Professor Juliet Biggs, University of
Bristol

11.15 - 12.15

(Earth Sciences Lecture Theatre)

Research Showcase 1

12.15 - 12.45

(Earth Sciences Conference Room)

Speed Networking

12.45 - 13.45

(Earth Sciences Conference Room)

Networking Lunch

13.45 - 14.00

**Short walk to Martin School Lecture
Theatre, Broad Street, Oxford**

PROGRAMME

Thursday 28th November 2024

LOCATION: OXFORD MARTIN SCHOOL, 34 BROAD STREET, OXFORD, OX1 3BD

14.00 - 15.15

(Martin School Lecture Theatre)

Workshop 1: Working Together - Initial Ideas

What are the key research questions for academia, industry, and government for the next 5-10 years?

15.15 - 15.45

(Martin School Lecture Theatre)

Research Showcase 2

15.45 - 17.00

(Martin School Lecture Theatre)

Workshop 2: What is missing?

What is needed to support research and drive innovation over the next 5-10 years? What training needs and skills gaps will exist? Are technological advances required? Do we need to change ways of working?

18.00 - 19.15

(Earth Sciences, Research Common Room)

Drinks Reception

19.30

(Al Shami, Lebanese Restaurant)

Event Dinner

PROGRAMME

Friday 29th November 2024

LOCATION: OXFORD MARTIN SCHOOL, 34
BROAD STREET, OXFORD, OX1 3BD

09.00 - 09.30

(Weston Library Café, Broad St,
Oxford OX1 3BG)

Optional hot drinks and pastries

09.30 - 9.35

(Martin School Lecture Theatre)

Arrival

9.35- 10.05

(Martin School Lecture Theatre)

**Panel Discussion:
Outcomes from Workshops 1 and 2**

10.05 - 10.30

(Martin School Lecture Theatre)

Research Showcase 3

10.30 - 11.45

(Martin School Lecture Theatre)

**Workshop 3: Developing Collaborative
Projects**

Group activity to develop specific collaborative project plans, such as proposals for Doctoral Focal or Landscape Awards, ESA, Innovate UK, and other funders

11.45 - 12.00

(Martin School Lecture Theatre)

Closing Remarks and Next Steps

TALK SCHEDULE

The speaker list (subject to change) includes:

Research Showcase 1 Thursday 28th, 11.15 - 12.15

Luke Bateson BGS	Automatic identification of shallow geohazards within Earth Observation data
Rachel Holley Viridien	Viridien: Capabilities and collaborations
Alex Copley University of Cambridge	Continental Earthquakes
Manuela Villani Global Earthquake Model	Building next-generation seismic hazard and risk models through the GEM-COMET collaboration
Richard Walker University of Oxford	Applications of earthquake geology and remote sensing
Luke Wedmore MS Amlin	Tectonic and volcanic hazard research priorities in the London insurance market
Francesco Sarti ESA	ESA Ongoing Activities & Collaboration Opportunities with Industry & Academia: Volcanic & Tectonic Multihazards
Pui Anantrasirichai University of Bristol	Detecting ground deformation in the built environment using satellite data
James Dalziel WTW	WTW Research Network: Capabilities and collaborations

TALK SCHEDULE

The speaker list (subject to change) includes:

Research Showcase 2 Thursday 28th, 15.15 - 15.45

Maximillian Van Wyk de Vries University of Cambridge	All hazards are multihazards, but are any of them natural?
Isabelle Taylor University of Oxford	Satellite observations of volcanic clouds
Qi Ou University of Edinburgh	From Seismic Hazard to Multi-Hazards: Widening applications of Sentinel-1 Radar Interferometry in High Mountain Asia
Nick Dodds SatSense	SatSense: Capabilities and collaborations
Grace Campbell Arup	Arup: Global Sustainability and Resilience
Maral Bayaraa Satellite Applications Catapult	Earth Science to sustainable finance

Research Showcase 3 Friday 29th, 10.05 - 10.30

Tamsin Mather University of Oxford	Volcanic hazards: research, collaborations and interfacing with UK government
Nick Everard UK CEH	Measuring the world's rivers (and floods)
Neill Marshall University of Oxford	Seismic hazard, paleoseismology and earthquake geology: Kambarata hydro power plant, Kyrgyzstan
Sam Wimpenny University of Bristol	The Mechanics of Faults
Barbara Hofmann HR Wallingford	Water and related hazards
Tom Pering VolcanoTech	VolcanoTech: improving accessibility of volcanic gas monitoring technologies

ATTENDEES

Meet and network with attendees including:

