



UCD Earth Sciences Institute (ESI) is a centre for energy and environment research of a scale capable of leading Ireland's response to climate change and the global energy crisis, thereby making Ireland an innovation hub for "green technologies".

#### ABOUT ESI

Research at the UCD Earth Sciences Institute is about:

- **Creating knowledge and insights that did not previously exist**
- **Finding new and sustainable ways of living on the earth**
- **Expanding the capacity in business, academia and government to innovate and to transform challenges into opportunities**
- **Bringing insights from science to inform policy and the public.**

#### FUNDING

ESI investigators have received over €120 million in research funding to date.

#### KEY AREAS OF RESEARCH

- **Earth Systems**
- **Energy Systems**
- **Bio-Systems**
- **Urban Systems**
- **Policy & Integration**

#### OUTPUTS

Academics involved in ESI-related research activity have published over 3,000 publications to date.

#### COLLABORATION

The UCD Earth Sciences Institute will collaborate with outstanding academic clusters and research institutions in Ireland and abroad, and with relevant business and commercial interests.

National partners include Trinity College Dublin, National University of Ireland Galway, University of Limerick, Queen's University Belfast, Teagasc, University of Ulster, Dublin Institute for Advanced Studies, Geological Survey Ireland (GSI), Met Eireann – Irish Meteorological Service, Sustainable Energy Ireland (SEI) and Comhar Sustainable Development Council.

International partners include Environmental Economics Unit, University of Goteborg, Forum of European National Highway Research Laboratories, Istituto Nazionale di Geofisica e Vulcanologia, The John Innes Centre, UK, Justus-Liebig University Giessen, Ludwig-Maximilians Universitat Munchen, Universidad de Granada and University of Strathclyde.