Case study
Consulting  We undertook a consultancy on multi-country exposure to natural hazards such as storms, floods and earthquakes, major industrial risks such as explosions and toxic material releases, and intentional threats such as acts of terrorism. We assessed strategies for managing hazards, vulnerability and disaster impacts in the insurance market.

Case study
Professional training  We developed bespoke professional training for a one-week programme in Disaster Risk Assessment with Ambiental, delivered to the World Bank in Washington DC, given by a multi-disciplinary team of natural scientists, practitioners and industry specialists. The IRDR led on natural hazards, exposure, vulnerability, challenges of rare events and communication in disaster risk reduction.
Who we are

We lead research, advanced teaching, policy engagement, and knowledge exchange with industry and humanitarian agencies, in risk and disaster reduction across UCL. Since our launch as a Provost’s Strategic Development in 2010, the IRDR has grown to 4 core, 7 academic and 12 visiting staff, over 30 researchers and more than 400 members from across UCL and beyond.

Our work is trans-disciplinary and international, ranging from post-earthquake disaster response in Japan, to Arctic engineering risks, water risks from mining in Bolivia, and space weather risks in the UK.

Who we are

Front cover: Site visit to the Fukushima Nuclear Reactor, Japan

What we offer

We are motivated by our passion for bridging the gap between practice and academia. With our broad staff base covering social science, statistical science, space science, geophysical hazards, catastrophic engineering risk, global health, water risks and disaster management, and a network that spans UCL, we can uniquely offer a holistic approach to disaster risks:

- **consultancy** to business, international agencies and government (central and local)
- **partnerships** for research, knowledge exchange and PhD studentships with commercial and social enterprise
- **continuing professional development** and training courses tailored to your individual business needs
- **MOOCs** (Massive Open Online Courses) freely available in risk and disaster reduction

What we offer

Case study

Research partnership

Rural agricultural-mining communities in the Lake Poopó Basin in Bolivia were assessed as highly vulnerable to water scarcity and contamination, with 70% of sites unsuitable for drinking water or irrigation without treatment. In a three-year partnership research project with the development agency CAFOD, Bolivian organizations and communities, we advised on improving water management strategies, supported local decision making, and reported to the Ministry of Irrigation and Water Resources.

Case study

Research partnership

Arctic Engineering risks

Europe

Iceland

Asia

Philippines

Bangladesh

Water risks

Iceland

Ash cloud analysis

Space

Japan

Tohoku tsunami response

Philippines

Temporary shelters

Bangladesh

Water risk project

Research partnership

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