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The course is developing a global network of practitioners working at the intersection of finance and the environment. This network of practitioners will provide knowledge in emerging theories of financial change, risk, and opportunities, and an understanding of how to engage with financial sector stakeholders.

Enterprise and Environment Doctoral Training Programme

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Examples of our work from around the globe

A game to understand 2 degrees pathways

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Zurich Insurance – fostering 2.28 knowledge exchange

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Smith School Teaching

The Smith School explores leading Oxford research on topical questions such as: Is the 1.5 degree threshold of the Paris climate change agreement possible?

The夏日水俱乐部 – teaching women about water science

Groundwater Risk Management for Growth and Development (Gro for GooD) is a research project based on the coast of Kenya. Gro for GooD is developing a programme of engagement to teach young women in secondary school about water science, policy, and management. The hope is to inspire better use and protection of water resources in the future as well as showcase career options in environmental science and management to women. This March, girls were taught how to test water for E.coli bacteria!
The Smith School of Enterprise and the Environment was created with a benefaction from the Smith Family Educational Foundation with the aim of focusing corporate and public sector solutions to the world’s increasingly pressing environmental problems. It opened its doors in September 2008 when Sir David King, then retiring Government Chief Scientific Advisor, was hired as its first Director.

For the first five years, the Smith School focused on building its reputation as a centre of cutting-edge research and excellence. It published over 300 research papers and seven major reports on the future of mobility, climate change, and pathways to a low carbon economy. It also organised four outstandingly successful World Forums involving high level government, corporate and academic leaders engaged in the environmental field:

- Is There A Model For Low Carbon Growth? (2009)
- Low Carbon-Africa: Air Sea and Land (2010)
- Valuing Ecosystem Services (2011)
- Resource (2012)

These forums brought together over 1,000 attendees as well as international leaders from Nobel Peace Laureates to global CEOs, they included former US President Clinton, US Vice-President and Joint Nobel Peace Prize winner in 2009, Al Gore, and Mikhail Gorbachev, former President of the USSR and founding President of Green Cross International.

The second phase of the development of the Smith School of Enterprise and the Environment is presently under the leadership of Professor Gordon Clark. He was instrumental in negotiating the School’s affiliation with Oxford University’s world-leading School of Geography and the Environment.

As an economic geographer with an interest in global financial integration and environmental sustainability, Professor Clark heads research in the responsibilities of pension funds, endowments, and sovereign wealth funds to understand and respond to the risks in the financial market. He believes that this impact is ideally suited to a world in which the initiative for change is increasingly being seized in the marketplace rather than policy, enterprise management and the behaviour of financial markets.

Professor Gordon Clark has focused the School’s efforts on the impact that environmental change has on economic performance of pension funds, endowments, and sovereign wealth funds. He cites the research that breaks down barriers to infrastructure investment.

In addition to his role as Director of the Smith School, Gordon holds cross-appointments in the Said Business School and the School of Geography and the Environment at Oxford University. He also holds a Professorial Fellowship at St Edmund Hall, Oxford.

Sir David King | Founding Director, 2008–2012

SMITH SCHOOL OF ENTERPRISE AND THE ENVIRONMENT

PROFESSOR GORDON L. CLARK | DIRECTOR, 2012–ONGOING

NEW YORK, USA

We have partnered with PepsiCo to develop a model for the private sector that breaks down barriers to infrastructure finance. The aim is to enable the development of local water infrastructure that is vital both to PepsiCo’s long-term growth, and to the welfare of the communities where they operate.

CALIFORNIA, USA

The ‘sharing economy’ refers to P2P-platforms, such as Airbnb and Lyft. The Smith School’s Robert Hahn teamed up with Steve Levitt, Bob Metcalfe, Peter Cohen and Jonathan Hall (Uber), to estimate the benefits of using ride-sharing services for customers. The conclusion is to rethink the nature of regulating the ‘new economy’.

ZURICH, SWITZERLAND

There is an urgent need to design new channels for income protection solutions that are both ‘portable’ across jobs and borders and appropriate to different country contexts. Our collaboration with Zurich Insurance aims to build a thought-leadership programme over the next three years focusing on the ‘Income Protection Gap’.

NORWAY

Our ‘Sustainable Finance’ programme has carried out comprehensive analysis of Norbanken Investment Management’s exposure to coal companies: coal-fired power utilities, thermal coal mines, and coal-based energy processing companies.

GERMANY

The USA’s ‘Carbon Bubble Tender’ project aimed to study the carbon risks of the German economy. We also conducted a carbon stress test for the country’s financial institutions by integrating carbon risks in the financial market.

MONACO

We are rolling out a new programme, ‘Sharing Finance Projects’, with the aim of reaching out to leading industry and government, to better understand what research initiatives and current work is useful related to environmental sustainability and economic transformation.
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New York, USA

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Brazil, Mexico and South Africa

Growing cities compete with each other for water. This project aims to understand and respond to water resource allocation and the rapid innovations in allocation policy, infrastructure governance, and digital water solutions.

Zambia, Senegal, and Madagascar

Solar power could offer a significant and sustainable source of energy. ‘Making Light Work’ is a project funded by the British Academy’s Sustainable Development Programme, through the Global Challenges Research Fund. It analyses a new programme developed by the World Bank aimed at rapidly increasing the amount of solar energy in developing countries.

Kenya

About 300 sensors have been installed in hand pumps across Kenya helping 15,000 people get rapid repairs. Now scientists have found yet another way to interpret the data: pump vibrations can record the depth of well water.

China

The project here studied the transition of large coal-fired power stations owned by the top 50 coal-fired power companies in China. Stranded coal plant assets could represent up to 9.5% of China’s GDP. The public and political economy frictions arising from the structural decline of the coal industry as China transitions away from fossil fuels were also studied.
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Examples of our work from around the globe

A game to understand 2 degrees pathways

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Smith School Teaching Examples of our work from around the globe
The Smith School of Enterprise and the Environment, University of Oxford

The Kingpente Water Club – teaching women about water science
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Smith School 2016/17

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<th>IN NUMBERS</th>
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<tbody>
<tr>
<td><strong>32</strong> researchers</td>
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<td><strong>10</strong> Central Team</td>
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<tr>
<td><strong>12</strong> Business Fellows</td>
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<tr>
<td><strong>3</strong> Books</td>
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<tr>
<td><strong>31</strong> Honorary Research Associates</td>
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<td><strong>133</strong> Publications</td>
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<td><strong>25</strong> DPhil Students</td>
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<td><strong>11</strong> Working Papers</td>
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<td><strong>11</strong> Reports</td>
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<td><strong>200</strong> participants</td>
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<td><strong>615</strong> Education Participants</td>
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**Entrepreneurship and the Environment Summer School, 9-21 July 2017**

Created and delivered by the Smith School, the Summer School will be running for a second year after a successful pilot project in 2016 with 23 students. Designed for those interested in leading environmental change in business, NGOs or the government sector, the course combines our strengths in environmental economics and policy, enterprise management, and financial markets and investment to study critical global environmental challenges of the 21st century.

The Summer School explores leading Oxford research on topical questions such as: Is the 1.5 degree threshold of the Paris climate change agreement possible?