

Global Challenges Initiative – Newsletter (November 2017)

GCI is the University of Cambridge Strategic Research Initiative (SRI) for the United Nations' Sustainable Development Goals (SDGs)

News

Selection of news published in October:

- [Machine learning used to predict earthquakes in a lab setting](#). A group of researchers from University of Cambridge, Los Alamos National Laboratory and Boston University has used machine learning techniques to successfully predict earthquakes. Although their work was performed in a laboratory setting, the experiment closely mimics real-life conditions, and the results could be used to predict the timing of a real earthquake.
- [Carbon capture - universities and industry work together to tackle emissions](#). An international collaboration between universities and industry will further develop carbon capture and storage technology – one of the best hopes for drastically reducing carbon emissions – so that it can be deployed in a wider range of sites around the world.
- [Findings from new malaria database are a 'wake-up call'](#). Researchers have compiled and analysed 115 years of malaria data in Africa, providing the most detailed picture yet of where efforts to control malaria infection are being won and lost across the continent.
- [Is cancer control in poor countries too high-tech?](#) Cancer control in developing countries focuses too much on expensive technology and too little on affordable prevention that can save lives, medical scientists warn
- [Changing the face of Indian farming](#). Indian agriculture is expected to feed a growing and increasingly urbanised population. But if everyone wants to move to towns and cities, who is left to farm the land? TIGRESS, a new large-scale and multi-partner project, aims to answer this question, with the support of the GCRF and the Cambridge Global Food Security SRI.
- [Conservationists' eco-footprints suggest education alone is insufficient to foster sustainable living](#). A new study by Conservation scientists from the University of Cambridge and University of Vermont shows that even those presumably best informed on the environment find it hard to consistently “walk the walk”, prompting scientists to question whether relying solely on information campaigns will ever be enough.
- [How do police think about assemblies in Africa?](#) Large scale public assemblies and particularly political protests, are frequent flashpoints for interactions between police and the public all over the world, during which the police may—lawfully or unlawfully—resort to the use of force. The Centre of Governance & Human Rights (CGHR) is involved in developing a questionnaire to go alongside a training programme to survey police officers about their attitudes.
- [UK to design new instrument to measure climate change and study star formation in space](#). UK scientists will play a key role in designing a new instrument to sit on board the International Space Station (ISS). The instrument will not only monitor the effects of climate change on the Earth's atmosphere but will also help us to better understand the origins of stars and planets.
- [Eight new PhD training centres to boost UK's data science expertise](#). Data-intensive science in the UK has received a major boost thanks to an investment of almost £10 million to train the next generation of experts in this important research area.
- [AHRC Heritage launched to enhance UK heritage research](#). AHRC Heritage Research, a priority area established to enhance heritage research across the UK, was launched in early October at a three-day major conference in London.
- [Global antibiotic resistance tracking project launched](#). Wellcome Trust announced a new research project to track and document the burden of disease associated with antimicrobial resistance (AMR) in mid-October.
- [Decision Making Under Uncertainty Networks](#). The research councils are driving action to develop a multidisciplinary research community focussed on decision making under uncertainty. Two networks, funded by ESRC, EPSRC and NERC, are working with practitioner organisations to analyse real world decisions

and identify where multi-disciplinary research can develop new approaches to improve decision making under uncertainty.

- [EDCTP, WHO AFRO and TDR join forces to fund implementation of health research](#). A new partnership has been formed between EDCTP, TDR (the Special Programme for Research and Training in Tropical Diseases), and the World Health Organization’s Regional Office for Africa (WHO AFRO) in recognition of a mutual interest in strengthening the capacity for health research in African countries.
- [New ESRC CEO and Executive Chair Designate announced](#). Science Minister Jo Johnson has announced that Professor Jennifer Rubin has been appointed Chief Executive and Executive Chair Designate of the ESRC.
- [Professor Philip Nelson to serve as EPSRC Executive Chair for six months](#). Professor Philip Nelson will serve as the Executive Chair of the Engineering and Physical Sciences Research Council (EPSRC) when it becomes part of UK Research and Innovation (UKRI).
- [Appointments to the Councils of UK Research and Innovation \(deadline: 13th November 2017\)](#). Do you want to play a vital role in the UK’s research and innovation system and a key part in creating a new, ground-breaking organisation? UK Research and Innovation is a new organisation that, from 1 April 2018, will bring together the seven Research Councils, Innovate UK and Research England. UKRI intends to be an outstanding organisation that ensures the UK maintains its world-leading position in research and innovation.
- [Horizon 2020 Work Programme \(2018 - 2020\) includes focus areas for addressing 'big ticket' challenges](#). The European Commission has presented the final Work Programme for Horizon 2020, which includes the novelty of four focus areas that are expected to create an exceptional impact, addressing ‘big ticket’ challenges.
- [RAE - All sectors of the economy stand to benefit from AI](#). The Royal Academy of Engineering welcomes the publication of "Growing the artificial intelligence industry in the UK".
- [A New Guide to Help Universities Accelerate Action on the SDGs](#). A new guide from the Sustainable Development Solutions Network (SDSN) Australia/Pacific highlights the important role universities in Australia, New Zealand and the Pacific have in implementing the Sustainable Development Goals (SDGs) and provides practical guidance on how they can accelerate their contributions.
- [Global leaders urged to address 'fragile progress' on tackling superbugs](#). Government ministers, scientists, industry, and civil society leaders met in Berlin for an international conference to discuss how to accelerate efforts to tackle rising drug-resistant infections – which already kill 700,000 people a year worldwide.
- [International Development Secretary sets out UK commitment to jobs and prosperity in the world's poorest countries](#). The International Development Secretary Priti Patel has provided details on how the UK will create jobs and to help accelerate economic growth that can lift countries out of poverty, through a continued commitment to the UK’s Development Finance Institution.
- [UK government's Humanitarian Reform Policy](#). The UK is setting out a new Humanitarian Reform Policy, which explains both innovations and improvements in the UK’s humanitarian response, and pushes for a more ambitious reform of the international humanitarian system.
- [UN General Assembly 72nd meeting \(update\)](#). The first two resolutions have been published, with updates continuing over time.
- [WHO launches new leadership, new priorities](#). WHO’s Director-General launched his new cabinet this month. New priorities include Universal Health Coverage, climate change, and access to medicines and a special session of the Executive Board will be convened in November to agree a future global programme of work for the agency.

Please visit GCI's [news page](#) for more news.

Funding opportunities

Global challenges - related funding calls closing in November:

Deadline	Call	Description
----------	------	-------------

1 st November 2017	BBSRC GCREF Strategic Training Awards for Research Skills (deadline: 1st November 2017)	The GCRF-STARS call aims to build a portfolio of sustainable and timely training resources to up-skill and develop researchers, graduate students and DAC citizens to help tackle global challenges.
2 nd November 2017	EDCTP Targeting control and elimination of NIDs through product-focused implementation research	The objective of this Call for Proposals is to provide funding for product-focused post-registration implementation studies for NIDs (1) in sub-Saharan Africa.
2 nd November 2017	DfID Mainting Essential Services after Natural Disasters (MAINTAINS)	The Department for International Development (DFID) leads the UK government's effort to fight global poverty. Natural disasters such as floods, droughts and cyclones already force 26 million people into poverty and cost an estimated \$60 billion every year. They disproportionately affect the poor and most vulnerable, such as children, women, people with disabilities and the elderly. Shocks disrupt essential services, including DFID programmes, and lead to higher poverty rates, reduced economic development and poorer human development outcomes.
3 rd November 2017	Antimicrobial Target Discovery and Validation	As the capabilities required to address antimicrobial target validation and drug discovery cover multiple disciplines, including basic bacteriology, computational biology, chemical biology etc., it is expected that successful collaborative proposals will draw on expertise across these disciplines
7 th November 2017	EPSRC/ RCUK Inclusion Matters - furthering equality, diversity and inclusion in Engineering and Physical Sciences research	EPSRC is launching an open, competitive call to fund projects aimed at improving equality, diversity and inclusion within the engineering and physical sciences. This call is the first of its kind in the Research Councils and is being managed as a pilot by EPSRC as part of the Research Councils' collective approach to Equality, Diversity and Inclusion during the transition to UK Research and Innovation (UKRI).
7 th November 2017	MRC Confidence in Concept scheme - Flexible institutional awards for preliminary translational work	The Confidence in Concept scheme is a key part of MRC's translational research strategy and provides annual awards of £250k-£1.2m to institutions, to be used flexibly to support the earliest stages of multiple translational research projects. It is intended to accelerate the transition from discovery research to translational development projects by supporting preliminary work or feasibility studies to establish the viability of an approach.

7 th November 2017	STFC Challenge Led Applied Systems Programme (CLASP)	STFC External Innovations runs a Challenge Led Applied Systems Programme (CLASP) to support the application and commercialisation of STFC research in the key global research challenge areas of energy, environment, healthcare and security. Individual annual calls are aligned to specific challenge areas and 2017's call will focus on key challenges in the Healthcare sectors.
7 th November 2017	UK-Vietnam Partnerships for Infectious Disease Research	The UK Medical Research Council (MRC), and Vietnamese Ministry of Science and Technology (MOST) are inviting research proposals to the UK-Vietnam Partnership on Infectious Disease Research, through the Newton Fund. This initiative will provide funding for high-quality collaborative research projects focused on Infectious Diseases.
8 th November 2017	BBSRC/ GCRF Sustainable Agriculture for Sub-Saharan Africa (SASSA)	BBSRC has announced a call for collaborative proposals to address research challenges relating to the sustainable intensification of agricultural systems in sub-Saharan Africa. This is part of the Global Challenges Research Fund (GCRF) which requires projects to meet Official Development Assistance criteria alongside their scientific objectives.
8 th November 2017	EPSRC-UKRI Innovation Fellowships	Innovation Fellowships will nurture future leaders in both industry and the research base and promote greater mobility between them and ensure that a variety of UK industrial sectors have a supply of skilled researchers. Applications are sought in alignment with the Industrial Strategy, in areas that have been identified as relevant to EPSRC or recognised priority areas at the interface of engineering and physical science research.
9 th November 2017	Leverhulme Trust International Academic Fellowships	Enabling established researchers based at a UK higher education institution to spend a period of time in overseas research centres, to develop new knowledge, skills and ideas.
10 th November 2017	NERC/ EPSRC/ ESRC/ BEIS/ STFC Greenhouse Gas Removal from the Atmosphere	Natural Environment Research Council (NERC), the Engineering & Physical Sciences Research Council (EPSRC), the Economic & Social Research Council (ESRC), the Department for Business, Energy & Industrial Strategy (BEIS), the Met Office Hadley Centre and the Science & Technology Facilities Council (STFC) are inviting research proposals for a new four-year research programme on Greenhouse Gas Removal (GGR) from the Atmosphere.
10 th November 2017	DfID Funding for development research – Research to improve the quality of teaching and learning inside Syria	The purpose of the research is to better understand the teaching and learning environment in schools and non-formal learning spaces inside Syria and to identify examples of best practice to address some of the barriers to safe, quality, inclusive education.
14 th November 2017	Internal funding opportunity: ESRC Impact Fund	The Impact Fund provides flexible funding for impact projects in social science disciplines, where impact activities could not have been foreseen or from newly emerging insights in social science research and collaborations.

14 th November 2017	NIHR Policy Research Programme Call on Epidemiology for Vaccinology	The NIHR is offering £1.5m for an in-depth research investigation into the use and development of epidemiological models, tools, and technologies to aid deployment and clinical trialling of vaccines in outbreak situations for the twelve diseases listed as high-priority by the UK Vaccine Network. As a secondary focus, they are supplying £3.5m for multiple projects assessing and aiding the development of other relevant tools, technologies, and methodologies in this field. The focus of this research should be on low- and middle-income countries as seen on the OECD's DAC list of Official Development Assistance (ODA) recipients.
15 th November 2017	Newton Fund CSSP Brazil research - Estimating methane fluxes through inverse modelling	The Climate Science for Service Partnership (CSSP) Brazil is seeking submissions on methane flux estimation using inverse modelling to better understand Brazil's CH ₄ budget from available observations.
15 th November 2017	Newton Fund CSSP Brazil research - Meteorological driving data for offline land surface and impacts simulations	The Climate Science for Service Partnership (CSSP) Brazil is seeking submissions on developing methods and datasets of meteorological forcing data for land-surface model simulations to span historical and future periods.
15 th November 2017	British Academy/ DfID Anti-Corruption Evidence (ACE) Programme	The British Academy is inviting proposals from researchers based anywhere in the world to develop interdisciplinary projects which enhance the development of more effective policies and interventions aimed at reducing corruption in developing countries. This programme is supported by a British Academy's partnership with the UK's Department for International Development (DfID).
15 th November 2017	Wellcome Trust Collaborative Awards in Science	Collaborative Awards promote the development of new ideas and speed the pace of discovery. We fund teams of researchers, consisting of independent research groups, to work together on the most important scientific problems that can only be solved through collaborative efforts.
16 th November 2017	EPSRC call for Supergen Solar Network+ expansion	Based on the success of the EPSRC's Supergen Solar Hub, the Council has provided up to £1 million for the strengthening of the Supergen network to support a hub, core research into solar power, and engagement, communication, and networking activity within the wider solar power community.
16 th November 2017	BBSRC International Workshops	This call aims to stimulate joint working in topics important to BBSRC's strategy; to match numbers of scientists from the UK with other countries to identify areas of commonality and explore the potential for international collaboration; to receive applications involving collaborations with any other country, although they are particularly interested in promoting further links with Argentina, Australia, Brazil, Canada, China, EU Member States, India, Japan, New Zealand, Taiwan and the USA.

16 th November 2017	Newton Fund/ STFC-NARIT Thailand Capacity Building in Software and Hardware Infrastructures and Data Handling through Astronomy	The Science and Technology Facilities Council (STFC) and the National Astronomical Research Institute of Thailand (NARIT) have announced a call aimed at capacity building in software and hardware infrastructures and data handling through astronomy.
16 th November 2017	BBSRC Other Countries Partnering Awards - Brazil, China, India, Japan, USA and Taiwan	The Other Countries Partnering Awards will provide funding to support the development of long-term collaborations with overseas scientists in countries not currently offered through our existing partnering award schemes.
17 th November 2017	Newton Fund WCSSP SE Asia - Tropical Error Covariances for Data Assimilation	The Weather and Climate Science for Service Partnership Southeast Asia (WCSSP SE Asia) is seeking submission on the investigation of the dynamic, flow-dependent relationships implicit within convective-scale tropical error structures and their interactions with larger scales (e.g. Tropical Cyclones, Cold surges, etc).
21 st November 2017	Science for Humanitarian Emergencies & Resilience (SHEAR) – Catalyst grants	Science for Humanitarian Emergencies & Resilience (SHEAR) is a new international research programme jointly funded by the UK's Department for International Development, NERC and the Economic & Social Research Council. The overall SHEAR programme focuses on four areas: disaster risk assessment (mapping and analyses), sub-seasonal to seasonal forecasting, disaster risk monitoring, and the integration of these into practical decision making.
24 th November 2017	OpenPlant Fund	The OpenPlant Fund is now open to proposals for innovative, open and interdisciplinary projects relevant to plant or in vitro Synthetic Biology. Projects run for six months and can include biological research, hardware prototyping, software, outreach, policy work and training. For this round applications focused on training and knowledge exchange are especially encouraged.
27 th November 2017	Wellcome Trust Senior Research Fellowships in Public Health and Tropical Medicine	This scheme enables researchers from low- and middle-income countries to establish themselves as leading investigators in their scientific field. The scheme aims to support research that will improve public health and tropical medicine at a local, national and global level.
27 th November 2017	Arts and Humanities Impact Fund	The Arts and Humanities Impact Fund provides flexible funding for impact projects in arts and humanities disciplines, as broadly defined within the remit of the AHRC. Applications are invited from any researcher active within arts and humanities who holds a current contract of employment as a senior independent researcher – at the point of application – with the University. Relevant non-school institutional staff (such as from Museums or Libraries) on academic-related contracts are also eligible to apply.

30 th November 2017	EqUIP call for collaborative research on sustainability, equity, wellbeing and cultural connections	The EU-India Platform for Social Sciences and Humanities (EqUIP) has announced its first research funding call to bring together social science and humanities funders in India and Europe to support excellent and innovative research on sustainability, equity, wellbeing and cultural connections. The emphasis of the research will be on Indian and European dimensions, in both contemporary and historical contexts.
30 th November 2017	Wellcome Trust Intermediate Fellowships in Public Health and Tropical Medicine	This scheme helps mid-career researchers from low- and middle-income countries establish independent research programmes in those countries. The scheme aims to support research that will improve public health and tropical medicine at a local, national and global level.
30 th November 2017	Wellcome Trust Training Fellowships in Public Health and Tropical Medicine	This scheme offers research experience and training to early-stage researchers from low- and middle-income countries. The scheme aims to support research that will improve public health and tropical medicine at a local, national and global level.
30 th November 2017	2017/18 Evelyn Trust Grants Medical Research Grants	The Trust seeks to support medical research projects in Cambridgeshire, usually in the range of £10,000 up to a maximum of £250,000. The Trust aims to benefit a broad range of projects over time. Grants must benefit charitable or non-profit making organisations, not individuals.
30 th November 2017	AHRC Heritage in Changing Environments Call	The Joint Programming Initiative in Cultural Heritage and Global Change has announced a new funding opportunity for transnational proposals in the area of Heritage in Changing Environments. The call is designed to support the development of new, research-based ideas and knowledge in response to the rapidly and widely changing context with which heritage and heritage practice is faced. It invites research projects that help cultural heritage to meet societal challenges and contribute to the development of society.
30 th November 2017	WHO-AFRO/TDR/EDC TP Small Grants Scheme for implementation research on infectious diseases of poverty	This call is for applications for implementation research that can cover a range of diseases, conducted through close collaboration between researchers and national disease programmes.

The [funding page](#) of the GCI is updated regularly with these and other funding opportunities – pre-call announcements, open calls, responsive calls and awards –related to global challenges.

Events

Selection of global challenges - related events in November:

- [RCUK/GCRF Global Engagement Meetings \(Kenya meeting\)](#) – **registration deadline: 2nd November 2017; event: 31st January 2018, Nairobi.** One of a set of events designed to bring together researchers from the UK and developing countries, showcasing the opportunities available through the Global Challenges Research Fund.
- [How to deal with humanitarian crises](#) – **3rd November, 17:00-20:00, Bawden Room, Jesus College, University of Cambridge.** The previous UN OSHA Undersecretary General for Humanitarian Affairs discusses crisis management with Professor Richard Sullivan of the (London) Kings College Conflict and Health Group.
- [ESRC Festival of Social Science 2017](#) – **4th-11th November, at various locations across the UK.** The ESRC Festival of Social Science aims to show how relevant social science research is, in the modern world, exploring policymaking, improving competition in the economy, and giving people a better understanding of today's society.
- [Development Economics for Non-Economists](#) – **registration deadline: 5th November 2017; event: 15th-19th January 2018, Institute of Development Studies, University of Sussex.** This event aims to equip non-economists working on issues of international development to engage better with economists and policy-makers on economic matters. Participants will learn how to identify, understand, apply, discuss, and if necessary challenge economics in development.
- [Integrating Disaster Risk Reduction and Climate Change Adaptation](#) – **registration deadline 5th November 2017, event 22nd-26th January 2018, Institute of Development Studies, University of Sussex.** The aim of this programme is to equip policymakers and practitioners with the knowledge and skills to more effectively integrate disaster risk reduction with adaptation to climate change, in the context of development and poverty reduction.
- [Environmental Science in the Big Data Era](#) – **6th November, 09:00-17:00, Maxwell Centre, Cavendish Laboratory, University of Cambridge.** This workshop brings together domain experts from the climate and data sciences, this session aims to address the key challenges of environmental science as it interacts with big data.
- [Oceans of Knowledge: Exploring how Ocean Observations Improve Ocean Weather and Climate Prediction](#) – **7th November, 08:30 - 17:30, Royal Institution, London.** This event examines the role of ocean observation in weather and climate prediction, especially regarding how it affects local decision-making on the water, land, and in the air.
- [REAP Conference 2017](#) – **7th November, 09:00-17:00, Wellcome Genome Campus Conference Centre, Hinxton Cambridge.** A dialogue between researchers, technologists, regulators and early adopters about the science, metrics, and standards of emerging farming practices and new agri-tech.
- [The Royal Society of Chemistry's Congress in Africa: Sustainable Agriculture and How to Feed a Growing Population](#) – **7th-9th November, Accra, Ghana.** Fostering partnerships across Africa and the world, the Congress is designed to reflect the diversity of science and research aimed at solving the challenges surrounding food security.
- [Converging Divergence: Unpacking the new geography of 21st Century global development](#) – **7th November, 12:00-13:00, Room 2S7, Faculty of Education, University of Cambridge.** Professor David Hulme (University of Manchester) explores innovation, leadership, policy, and the social context of education through case studies.
- [The Challenge of Scaling Up Low-Carbon Fuels](#) – **7th November, 12:45-14:00, Keynes Room, Faculty of Economics, University of Cambridge.** Ilkka Hannula (VTT Technical Research Centre of Finland) presents a lecture in the EPRG E&E and GEP Seminars Series.
- [Hinton Lecture 2017](#) - **application deadline: 7th November, event: 21st November, 18:00-22:00, Royal Academy of Engineering, Prince Philip House, 3 Carlton House Terrace, London.** The Hinton Lecture is the flagship lecture of the Royal Academy of Engineering. Vincent de Rivaz, current Chief Executive Officer of EDF Energy, will give this year's lecture, reflecting on a career spanning four decades at the forefront of the energy sector.
- [The Aerosol Society: Fundamentals of Aerosol Science Course](#) – **8th November, 10:00-18:00, University of Birmingham.** This course, featuring seven specialist speakers, provides an opportunity for new and established researchers to explore and understand elements of aerosol science.

- [Debate on Conflict and Democracy](#) – **8th November, 18:30-20:00, British Academy, 10-11 Carlton House Terrace, London.** Organised by the Evens Foundation, in partnership with the British Academy, this debate brings together philosophers, political scientists and sociologists to discuss the status and place of conflict in contemporary democratic practices and institutions.
- [The problem of education and development in sub-Saharan Africa](#) – **8th November, 17:45-19:00, Jeffery Hall, UCL Institute of Education.** African governments and donor partners have long regarded investment in education as being central to economic growth in the region – but this investment is yet to achieve rapid economic improvement. Why is that? And what should be done to better realise that goal?
- [INNOVATE 2017](#) – **8th-9th November 2017, National Exhibition Centre, Birmingham.** INNOVATE 2017 collects innovators, investors, and academics to showcase many of the world's brightest innovators and best innovations.
- [Winton Symposium on Energy Storage and Distribution](#) – **9th November, Cavendish Laboratory, University of Cambridge.** Speakers at the annual symposium, which is free and open to the public, will discuss some of the new technologies in this important area, and how understanding the basic science therein can accelerate development.
- [Relaxing Trust and Liquidity Constraints to Enhance Weather Insurance Uptake: a Randomized Control Trial in Ethiopia – Francesco Cecchi \(University of Groningen\)](#) – **9th November, 14.00-15.00, Room 2.49, David Attenborough Building, University of Cambridge.** The Cambridge Centre for Environment, Energy, and Natural Resource Governance (CEENRG) is hosting a weekly seminar series throughout the 2017-2018 academic year. These are informal and friendly talks allowing discussion of on-going work for PhD students, early career and senior researchers.
- [Workshop on Recent & Future Trends in Biostatistics](#) – **10th November, 09:30-17:45, Institute of Public Health, University of Cambridge.** Organised by the MRC Biostatistics Unit, this workshop is a unique, one-day event in Cambridge targeted at junior and early-career biostatisticians.
- [Sensors and Big Data in Robotics](#) – **registration deadline: 12th November, event: 11th December, 09:15-18:00, Aurora Innovation Centre at British Antarctic Survey, Cambridge.** Cambridge Big Data, CamBridgeSense Strategic Research Initiatives and the British Antarctic Survey are holding a networking day to explore the current state-of-the art in the interlinking fields of robotics, sensors and big data, challenges for the future, and to spark potential collaborations by bringing together people with a range of interests and expertise.
- [Can we decolonise the academy from within?](#) – **13th November, 17:00-18:00, Alison Richard Building, University of Cambridge.** In this talk, Dr Zoe Marks (University of Edinburgh) examines the implications of complicity for researchers and educators engaged in oppressive knowledge systems in the context of efforts to decolonize African Studies.
- [Planetary Health: Protecting Global Health on a Rapidly Changing Planet](#) – **13th November, 17:30, Henry Wellcome Lecture Theatre, London.** This year's annual Lancet International Health Lecture will be presented by Dr Samuel Myers, Senior Research Scientist at Harvard T.H Chan of School of Public Health and Director of the Planetary Health Alliance
- [NCAS Introduction to Scientific Computing for atmospheric and environmental science](#) – **13th - 17th November, 17:00-18:00, Crowne Plaza, Leeds.** The Introduction to Scientific Computing course covers the skills needed for effective data management and analysis using Linux and Python. The course is designed for the needs of PhD students and early career researchers in atmospheric and environmental science.
- [Responsible research and CBRN risks](#) – **14th November, 12:30-14:00, Seminar Room E, 17 Mill Lane, University of Cambridge.** Hosted by the Virtual Institute for Responsible Innovation, Julius Weitzdörfer will be outlining some ideas on responsible research and innovation and its relationship to chemical, biological, radiation and nuclear (CBRN) risks, in advance of a workshop he is holding with DEFRA.
- [Politics and political ecology of charcoal in Uganda - Adam Branch \(Centre of African Studies, University of Cambridge\)](#) – **14th November, 12:00-14:00, Seminar Room SG1, Alison Richard Building, University of Cambridge.** What constitutes a 'good' policy is conditioned not only by technology and financial factors but also by social norms and values, institutions, geopolitics, public trust and history. The talk is part of the "In Search of 'Good' Energy Policy" Research Group, which focuses on energy policy from an interdisciplinary perspective.

- [Cambridge Institute of Public Health Annual Conference - Unlocking Public Health Challenges of Our Time](#) – **14th November, 09:30-18:30, Sainsbury Laboratory, University of Cambridge.** Now in its fourth year, the annual CIPH conference and lecture series presents an opportunity for public health researchers, policymakers and professionals to come together, discover and discuss the latest public health research breakthroughs at Cambridge.
- [ESRC Festival of Economics 2017](#) – **15th-18th November, 09:00-17:00, various locations around Bristol.** The sixth Festival of Economics, programmed by Diane Coyle (University of Manchester and Enlightenment Economics) and supported by ESRC, includes economists and other experts from around the world who will be debating with each other - and their audiences - some of the key economic questions of our time.
- [OpenConCam 2017: "Open for Everyone"](#) – **16th November, 09:00-17:00, The Betty & Gordon Moore Library Wilberforce Road Cambridge, CB3 0WD.** OpenConCam is back for its third year on 16th November 2017 - the conference for open access, data and education in Cambridge. OpenConCam is a satellite event of the international OpenCon which will be held this year in Berlin.
- [Being Human 2017: "Lost and Found"](#) – **17th-25th November, 09:00-20:00, various locations around the UK.** Being Human 2017 is a national forum for public engagement with humanities research. The festival highlights the ways in which the humanities can inspire and enrich our everyday lives.
- [2018 Centres Competition information day and networking event](#) – **registration deadline: 20th November; event: 11th December, 13:30-17:00, British Academy, 10-11 Carlton House Terrace, London, SW1Y 5AH.** This event will provide an opportunity for interested applicants to ask questions and find out more about the wider changes to ESRC's Centres policy and the introduction of follow-on Transition funding and Institute status; as well as the 2018 Centres Competition application process.
- [Exploring the Incorporation of the Leadership for Learning Principles in Ghana Schools in the Central Region \(Ray Tangonyire\) and Exploring student voice and well-being with Syrian refugee students in Jordan \(Hiba Salem\) - REAL Centre PhD students](#) – **21st November, Room 2ST, Faculty of Education, University of Cambridge.** The Michaelmas 2017 edition of the REAL Centre Seminar Series (Faculty of Education, University of Cambridge) will explore topics related to the innovation, leadership, policy and specific cases of the social context of education. All welcome.
- [Putting children first: identifying solutions and taking action to tackle poverty and inequality in Africa](#) – **23rd November, Addis Ababa, Ethiopia.** This three-day international conference aims to engage policy makers, practitioners and researchers in identifying solutions for fighting child poverty and inequality in Africa, and inspiring action towards change.
- [BIEA Lecture - What impact does Brexit have on Regional Integration in Africa?](#) – **23rd November, 18:00-19:00, The British Academy, 10-11 Carlton House Terrace, London, SW1Y 5AH.** In this lecture, Professor Yenkong Ngangjoh Hodu (University of Manchester) will explore how the 2016 UK referendum and Brexit will affect African countries.
- [Celebrating 10 Years of Cambridge Global Health Partnerships](#) – **23rd November, 18:00-21:00, Li Ka Shing Centre, Cambridge Biomedical Campus.** Join Addenbrookes Abroad in celebrating their global health partnerships in Africa, Latin America, and Southeast Asia, and the successes of these programmes over the past ten years.
- [Evidence is Not Enough: Towards a democratically legitimate role for evidence in health policymaking \(Katherine Smith, University of Edinburgh\)](#) – **24th November, 18:00-21:00, Large Seminar Room, Cambridge Institute of Public Health, University of Cambridge.** This seminar will be chaired by Professor Theresa Marteau, Director of the Behaviour and Health Research Unit, University of Cambridge.
- [CODESRIA and Knowledge Production in Africa](#) – **27th November, 17:00-18:00, Alison Richard Building, University of Cambridge.** Dr Godwin Murunga, executive director of the Council for the Development of Social Science Research in Africa (CODESRIA), will present on the challenges and opportunities for knowledge production in Africa.
- [Solar Energy, Skills Development and Employment Opportunities in India - Shailaja Fennell \(Centre of Development Studies, University of Cambridge\)](#) – **28th November, 12:00-14:00, Seminar Room SG1, Alison Richard Building, University of Cambridge.** The "In Search of 'Good' Energy Policy" Research Group explores energy policy themes from different disciplinary perspectives - economics,

history, philosophy, theology, politics, law, anthropology, psychology, engineering - with the aim of identifying principles and processes for 'good' energy policy making.

- [PEI Spotlight Seminar: The Future of Renewable Energy in Africa](#) – **29th November, 09:45-15:30, Royal Society of Chemistry, Burlington House, London.** The Planet Earth Institute will host a seminar aiming to 'spotlight' the individuals, research groups, academic institutions and businesses driving scientific, technological and commercial innovations that will come to define the future of renewable energy in Africa.
- [Cambridge Infectious Diseases Annual Meeting of Minds 2017](#)–**registration deadline: 10th November; event: 24th November, Downing College, University of Cambridge.** Join the University of Cambridge Infectious Diseases Interdisciplinary Research Centre's annual full-day conference 'Cambridge Infectious Diseases Annual Meeting of Minds', with over 100 attendees from across Cambridge.
- [The Wisdom of the Crowd](#) – **29th November, 18:30-20:00, The Royal Society, London, 6-9 Carlton House Terrace, London.** Join Professor Marcus du Sautoy OBE FRS for a night of interactive experiments exploring the power of crowds in answering certain numerical questions. From guessing the weight of a cow or the number of sweets in a jar, there is evidence that the average of a crowd's guesses can deliver surprisingly accurate results.

The [events page](#) of the GCI is updated regularly with these and other events related to global challenges.