

RESEARCHER LINKS

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Grants Awarded: Newton Institutional Links – April 2017 call

Eligible partner countries: Brazil, Egypt, Indonesia Kenya, Malaysia, Mexico, Philippines, Thailand

- Total eligible applications – 319
- Funded applications – 52 (16.3%)

| Partner Country | UK Institution | Partner Institution | Project Title | Review Panel |
|-----------------|--|---|---|--|
| Brazil | Bangor University Bangor University Menai Bridge, Anglesey LL59 5AB | Universidade Federal de São Paulo | Coastal biodiversity and public policies: methodologies and actions to integrate stakeholders | Environment, Agriculture and Food Sciences Review Panel |
| Brazil | Smith School of Enterprise and the Environment, University of Oxford | Universidade Federal de Alagoas | Developing Investment Blueprints for Sustainable Use Protected Areas in Alagoas State, Brazil | Environment, Agriculture and Food Sciences Review Panel |
| Brazil | University of Strathclyde | Universidade Federal de Goiás (UFG) | Supporting vulnerable small local farmers in Brazil distribute their products and improve their standard of living | Social Sciences Review Panel |
| Brazil | School of Earth and Environment, University of Leeds | Universidade Estadual de Ponta Grossa | Building economic development and social welfare of small farming communities in Paraná, Brazil, through climate compatible | Social Sciences Review Panel |

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| | | | development: the role of bioenergy crops | |
| Brazil | University of Southampton | Universidade Federal de São João del-Rei | Enhancing fisheries resilience and hydropower development: the road to sustainable energy-water-food NEXUS in Brazil | Environment, Agriculture and Food Sciences Review Panel |
| Brazil | University College London (UCL), Department of Civil Environmental and Geomatic Engineering | Instituto Federal of Goiás (IFG) | A water-waste-energy-food model for rural communities and organic farming sustainability in Brazil | Engineering and Physical Sciences Review Panel |
| Brazil | Bournemouth University | Universidade Federal de Santa Catarina (Federal University of Santa Catarina) | Veg+: Increasing vegetable consumption for young adults through Short Food Supply Chains | Environment, Agriculture and Food Sciences Review Panel |
| Brazil | University of Bedfordshire | Instituto Federal de Educação, Ciência e Tecnologia Catarinense | Implementing technology solution for sustainable development of artisanal fisheries in Santa Catarina (TAF) | Social Sciences Review Panel |
| Brazil | The University of Salford, School of Environment & Life Sciences | Univercidade federal do Pará - Federal University of Pará | Prawns, Shrimp & Co. Demand, supply and food security of crustaceans in north eastern Pará, Brazil: current status, challenges and future directions | Environment, Agriculture and Food Sciences Review Panel |
| Indonesia | Institute for Risk & Disaster Reduction, University College London | Syiah Kuala University | INSPIRE: Indonesia School Programme to Increase Resilience | Engineering and Physical Sciences Review Panel |
| Indonesia | Leeds Beckett University | Universitas Sriwijaya | Development of High Performance Concrete using Agricultural Waste from Rice Harvestation | Engineering and Physical Sciences Review Panel |

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| Indonesia | School of Earth and Environment, University of Leeds | Bogor Agricultural University | Transboundary Fire haze: Regional characterisation, prediction and Mitigation in SE Asia (TransFoRM) | Environment, Agriculture and Food Sciences Review Panel |
| Indonesia | The Chancellor Masters and Scholars of the University of Cambridge | Institut Teknologi Bandung | Earthquake hazard mitigation in Sulawesi and Kalimantan | Engineering and Physical Sciences Review Panel |
| Indonesia | Aston Univeristy, School of Engineering and Applied Science | Airlangga University | Fibre optic sensor for food safety applications | Engineering and Physical Sciences Review Panel |
| Kenya | The University of Edinburgh, School of Engineering | Strathmore University | Enhanced food security and afforestation through novel approaches to irrigation | Engineering and Physical Sciences Review Panel |
| Kenya (*National Research Fund will fund) | University of Southampton, Faculty of Engineering and the Environment | University of Nairobi | Innovative composite roofing/pavement product development through blending of plastic waste & sand/quarry by-products | Engineering and Physical Sciences Review Panel |
| Kenya | Aston University | Meru University of Science & Technology | Paradigm shift in faecal sludge management in Kenya for environmental management and food security | Social Sciences Review Panel |
| Kenya | British Geological Survey, Centre for Environmental Geochemistry | University of Eldoret | Aquaculture: Pathway to food security in Kenya. | Environment, Agriculture and Food Sciences Review Panel |
| Kenya | University of Hull | Mount Kenya University | Pathogen Point-of-care Analysis | Biological and Medical Sciences Review Panel |
| Kenya (*National Research Fund will fund) | University of Glasgow | THE TECHNICAL UNIVERSITY OF KENYA | Development of a portable trigeneration energy system for domestic use in Kenya | Engineering and Physical Sciences Review Panel |
| Kenya | University of Southampton, Faculty of Social, Human & Mathematical | Kenyatta University | Health and Wellbeing of older persons in Kenya: Tackling the data gaps and needs | Social Sciences Review Panel |

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| Kenya (*National Research Fund will fund) | The Pirbright Institute | Jomo Kenyatta University of Agriculture and Technology | Establishing Field Data-Driven Vaccine Platform for Newcastle Disease Virus in Poultry: Step Towards Poverty Alleviation & Food security in Kenya | Environment, Agriculture and Food Sciences Review Panel |
| Malaysia | Liverpool John Moores University, Research and Innovation Services | Universiti Malaysia Perlis | Green Electronics: Sustainability In Modern Electronics Manufacture By Improving The Environmental Resilience Through Introduction Of Novel Materials Forensically Analysed for Future Reliability | Engineering and Physical Sciences Review Panel |
| Malaysia | University of Liverpool | University of Malaya | Identification, evaluation and alleviation of the threat of vector-borne rickettsial agents to human health in Malaysia in the context of changing climate and socio-economic development | Biological and Medical Sciences Review Panel |
| Malaysia | University of Aberdeen, School of Psychology | Sunway University | Social cognition and executive function among older adults in the UK and Malaysia: links to socio-economic factors | Social Sciences Review Panel |
| Malaysia | Manchester Metropolitan University, School of Computing, Mathematics and Digital Technology | University of Malaya | An unmanned aerial vehicle (UAV)-enabled, big data-driven automatic crop disease diagnosis tool for precision farming | Environment, Agriculture and Food Sciences Review Panel |
| Malaysia | The University of Newcastle upon Tyne, School of Engineering | Universiti Teknologi Malaysia | Improving community health in Malaysia using sustainable decentralised wastewater treatment | Engineering and Physical Sciences Review Panel |
| Malaysia | Heriot-Watt University | Universiti Teknologi Petronas | Improving palm biomass utilisation for bioenergy recovery - | Engineering and Physical Sciences Review Panel |

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| | | | development of a flexible multiphase syngas-bioliquid system | |
| Mexico | University College London, UCL Energy Institute | Universidad Nacional Autónoma de México | Energy Epidemiology: Understanding the relationship between Gender and energy use and efficiency co-benefits. | Engineering and Physical Sciences Review Panel |
| Mexico | Swansea University, College of Engineering | Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, Unidad Mérida | Screen-printed photovoltaics: Development of low-cost processing methods in collaboration with Mexican companies | Engineering and Physical Sciences Review Panel |
| Mexico | The University of Nottingham, Faculty of Engineering | Universidad Tecnológica de Jalisco | Coupling the biochemical and thermochemical biorefinery platforms for gaseous biofuels production from Agave tequilana bagasse: A novel approach to improve the energy efficiency in tequila industries | Engineering and Physical Sciences Review Panel |
| Mexico | University of Strathclyde, Mechanical and Aerospace Engineering | El Colegio de la Frontera Sur | Marine energy satisfying electrical demand and promoting economic growth in local communities surrounding the Cozumel Channel | Engineering and Physical Sciences Review Panel |
| Mexico | University of Birmingham, School of Chemical Engineering | Instituto Nacional de Electricidad y Energías Limpias. INEEL. | Energy Storage Prioritisation Assessment for Mexico | Engineering and Physical Sciences Review Panel |
| Mexico | Cardiff University | Universidad Autónoma de San Luis Potosí | Entrepreneurial dynamic self-organized interfaces to convert light into products | Engineering and Physical Sciences Review Panel |
| Philippines | University of Reading, School | Aurora State College of | Local approaches to supporting agricultural | Social Sciences Review Panel |

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| | of Agriculture, Policy and Development | Technology | productivity and managing impacts of climate variability and change in indigenous communities in Aurora Province, Philippines | |
| Philippines | University of Reading | University of Santo Tomas | Eco-social surveying: Mapping social assets, green infrastructure and the connections between them in rapidly changing cities | Social Sciences Review Panel |
| Thailand | Goldsmiths College, University of London, Media and Communications | Thammasat University | Digital Ethnography for Digital Empowerment: Towards a Knowledge-based and Inclusive Implementation of the ASEAN ICT Masterplan | Social Sciences Review Panel |
| Thailand | University of Essex, Biological Sciences | Faculty of Science, Khon Kaen University | Phenotyping Thai rice photosynthesis for sustainable rice production | Environment, Agriculture and Food Sciences Review Panel |
| Thailand | University of Warwick, School of Life Sciences | Naresuan University | Overcoming the opportunistic pathogen <i>Acinetobacter baumannii</i> in Thailand- developing bacteriophages as antimicrobial agents. | Biological and Medical Sciences Review Panel |
| Thailand | The Imperial College of Science, Technology and Medicine | National Electronics and Computer Technology Center (NECTEC) Thailand | An Intelligent sensing system for pervasive monitoring of patients with dementia | Engineering and Physical Sciences Review Panel |
| Egypt | University College London, UCL | National Research Centre | Sustainable Energy Futures in Historic Cities: The case of Old Cairo | Arts and Humanities Review Panel |
| Egypt | University of Exeter | Zagazig University | A Novel Standalone Solar-Driven Agriculture Greenhouse - Desalination System: That Grows its Energy and Irrigation Water | Engineering and Physical Sciences Review Panel |

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| Egypt | Cranfield University (CU) | Egypt Japan University of Science & Technology (E-JUST) | Low grade heat recovery for absorption chiller and desalination from concentrated solar powered steam power plants in Egypt | Engineering and Physical Sciences Review Panel |
| Egypt | University of Strathclyde Department of Naval Architecture, Ocean and Marine Engineering | Egyptian Desalination Research Center of Excellence | Mobile Reverse Osmosis Floating Desalination Platform Powered by Hybrid Renewable Energy | Environment, Agriculture and Food Sciences Review Panel |
| Egypt | City University London School of Mathematics, Computer Science & Engineering | Zewail City of Science and Technology, | Highly-efficient nano-structure solar cells for energy security | Engineering and Physical Sciences Review Panel |
| Egypt | Northumbria University at Newcastle | Ain Shams University | Renewable Energy-based Fresh Water Provisioning Technology in Rural Areas of Egypt (ReFreshTEC) | Engineering and Physical Sciences Review Panel |
| Egypt | University of Bristol | Environment and Climate changes Research Institute (ECRI), National Water Research Center (NWRC) | Climate Change Adaptation to Manage the Risks of Extreme Hydrological and Weather Events for Food Security in Vulnerable West Nile Delta | Environment, Agriculture and Food Sciences Review Panel |
| Egypt | John Innes Centre | Field Crops Research Institute | Minimizing Egyptian wheat yield loss to disease through resistance gene enrichment breeding | Environment, Agriculture and Food Sciences Review Panel |
| Egypt | University of Liverpool | Faculty of Veterinary Medicine, Cairo University | Effective Diagnostics and Novel Vaccine Strategies for the Control of Multiple Respiratory Viral Infections in Egyptian Poultry | Environment, Agriculture and Food Sciences Review Panel |
| Egypt | University of Hertfordshire | Faculty of Agriculture , | Impacts of climate change on occurrence and distribution of | Environment, Agriculture and |

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| | | Mansoura University | the pathogenic seed-borne fungi of wheat and maize in Egypt. | Food Sciences Review Panel |
| Egypt | University of Birmingham | City of Scientific Researches and Technological Applications | Novel Water Treatment System using Solar Driven Metal Organic Framework Adsorption integrated with Energy Storage and Real Time Water Quality Sensor for Egypt | Engineering and Physical Sciences Review Panel |
| Egypt | The University of Manchester | Aswan University | Engineering Sustainable Solar Energy and Thermocline Alternatives (ESSEnTIAI) | Engineering and Physical Sciences Review Panel |