UCL Environment Domain
Opportunities & Notices

December 2017

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Stage 1: 27 February 2018

Stage 2: 4 September 2018

Horizon 2020 Greening the Economy in Line with the Sustainable Development Goals (SDGS) Call SC5-19-2018: International network to promote cultural heritage innovation and diplomacy (Coordination & Support Action (CSA))

Call closes: 27 February 2018

NOTICES

Join the Environment Domain Early Careers Network (EDEN)

AMR-SAN Workshop - Sustainable sanitation for the reduction of the spread of antimicrobial resistance through wastewater

Application deadline: 5 pm, Sunday 31st December 2017

NERC Pre-announcement: Forthcoming Newton Fund activities

Green Infrastructure Partnership

UCL Research Staff Hub website

POSTnotes research topics include Environment and Energy

Seeking Environment Research Photographs

No deadline
Opportunities

NERC - Commissioning process for DTP2 confirmed
Call opens: January 2018
http://www.nerc.ac.uk/funding/application/currentopportunities/dtp2-commissioning/

NERC will commission its second round of doctoral training partnership investment (DTP2) through a fully open competitive call, to be launched in January 2018. The announcement of opportunity, containing full details of the call, is currently under development and will be published in January. To ensure a fair and transparent process, NERC will not answer individual queries about the DTP2 call in advance of the announcement of opportunity being published.

A town hall meeting will be held in central London on Tuesday 30 January 2018 to provide an opportunity to discuss the call. Details of how to register your interest in attending the town hall meeting will be announced in due course.

Please note: Anyone considering applying to this call, please inform environment@ucl.ac.uk

ESRC - Postdoctoral Fellowships
Call closes: 23 March 2018
http://www.esrc.ac.uk/funding/funding-opportunities/postdoctoral-fellowships/

ESRC are pleased to announce the introduction of a Postdoctoral Fellowship (PDF) Scheme aimed at those in the immediately postdoctoral stage of their career, to provide the opportunity to consolidate their PhD through developing publications, their networks, and their research and professional skills.

The call is open to applicants who have completed their PhD at a research organisation that is part of a DTP or CDT and who are within 12 months of completing their PhD. At the submission deadline, the applicant must either have been awarded a PhD or have submitted their thesis and passed their viva voce with minor corrections, with the expectation that the PhD will be awarded by the fellowship start date.

Call specification, FAQs, and application form will be available on the DTP/CDT websites. Each DTP / CDT will peer review the proposals and make funding decisions on behalf of ESRC by June 2018.

The DTPs and CDTs participating in the first round are:
- Cambridge Social Science Doctoral Training Partnership
- Grand Union Doctoral Training Partnership
- The London Interdisciplinary Social Science Doctoral Training Partnership
- LSE Doctoral Training Partnership
- Midlands Graduate School Doctoral Training Partnership
- Northern Ireland and North East Doctoral Training Partnership
- North West Social Science Doctoral Training Partnership
- The South Coast Doctoral Training Partnership
- The South East Network for Social Sciences Doctoral Training Partnership
- South West Doctoral Training Partnership
- UCL, Bloomsbury and East London Doctoral Training Partnership
- Wales Doctoral Training Partnership
- White Rose Social Sciences Doctoral Training Partnership
ERC – Consolidator Grants

Call closes: 15 Feb 2018
https://erc.europa.eu/funding/consolidator-grants

Are you a scientist who wants to consolidate your independence by establishing a research team and continuing to develop a success career in Europe? The ERC Consolidator Grant could be for you. You can also apply if you have recently created an independent, excellent research team and want to strengthen it. Researchers of any nationality with 7-12 years of experience since completion of PhD (Extensions are possible under certain circumstances — see the latest ERC Work Programme), a scientific track record showing great promise and an excellent research proposal.

Applications can be made in any field of research.

Applications for an ERC grant must be submitted by a single Principal Investigator (PI) in conjunction with and on behalf of their Host Institution, called the applicant legal entity.

ERC grants support projects carried out by an individual researcher who can employ researchers of any nationality as team members. It is also possible to have one or more team members located in a non-European country.

Consolidator Grants may be awarded up to €2 million for a period of 5 years (pro rata for projects of shorter duration). However, an additional €0.75 million can be made available to cover eligible “start-up” costs for researchers moving from a third country to the EU or an associated country and/or the purchase of major equipment and/or access to large facilities.

An ERC grant can cover up to 100% of the total eligible direct costs of the research plus a contribution of 25% of the total eligible costs towards indirect cost.

NERC-ESRC - Cross-disciplinary mental health network plus call

Call closes: 22 March 2018
http://www.esrc.ac.uk/funding/funding-opportunities/cross-disciplinary-mental-health-network-plus-call/

The research councils are pleased to announce the cross-disciplinary mental health network plus call.

The aim of the call is to encourage the creation of multi-disciplinary networks that cross the remit boundaries of the research councils. These networks will address important mental health research questions that require an innovative, cross-disciplinary approach to accelerate progress; to build cross-disciplinary research capacity in the field; and to strengthen the UK mental health research base.

The call has been informed by the research councils recently published cross-disciplinary mental health research agenda- external link which represents our collective interest in supporting and furthering mental health research. It encourages areas where high quality cross-disciplinary research could add the most value and impact to the broader mental health research landscape through novel and transformative research.

Successful applicants will receive a grant of up to £1.25 million (at 100% full economic cost (FEC)) for up to 48 months’ duration. The research councils will contribute 80% FEC on successful proposals.
ESRC - Centres Competition 2018
Call closes: 15 March 2018
http://www.esrc.ac.uk/funding/funding-opportunities/centres-competition-2018/
In November 2017 ESRC will be announcing an open competition for research centres. There will be no priority areas for this call. Research centre funding is aimed at experienced research leaders who require longer-term or extended support for research groups, inter-institutional research networks, project-linked programmes, medium-to-large surveys, other infrastructure or methodological developments, or any related larger-scale projects. Research centres also have a distinct role in supporting the development of early career researchers and building new research capacity. They are expected to be high-impact investments over the longer term.
The ESRC will be investing up to £30 million 100% full economic cost (fEC) over five years through this Centres competition. The competition is for proposals ranging from £2 million to £8 million 100% full economic cost (fEC) with a term of up to five years. It is anticipated that ESRC will fund four centres.
There will be a two-stage application process and ROs are asked to limit the number of applications to support the most competitive bids. The centers require evidence of long term institutional commitment, including additional financial resources from the RO to extend the work programme beyond the 100% fEC funding requested. In addition to any Centre applications supported by the RO, all investments currently designated as ESRC Centres will be entitled to apply to this competition.
Please note: Demand management for the call will be coordinated by OVP-R.
Details of the process will be published once the call is announced.

NERC-BEIS - MOSAiC
Deadline: 31 January 2018
http://www.nerc.ac.uk/research/funded/programmes/mosaic/news/ao/
Proposals are invited under a new research programme which will provide the opportunity for participation in the Multidisciplinary Drifting Observatory for the Study of Arctic Climate (MOSAiC) initiative.
This opportunity is expected to support up to six two-month berths on the MOSAiC expedition and associated research proposals that are compatible with the MOSAiC science and implementation plans. Up to £1.8 million is available from NERC for this call.
A travel fund will be made available for UK applicants to travel to the 13-16 November MOSAiC Implementation Workshop in St Petersburg to support development of proposals compatible with the MOSAiC science and implementation Plans. Funds will be awarded on a first come, first served basis, although if required some balancing may be made across organisations.

NERC Follow-on Fund Pathfinder
Open deadline
http://www.nerc.ac.uk/funding/available/schemes/pathfinder/
NERC Pathfinder awards complement Follow-on awards.
Follow-on awards of up to £125k (£100k NERC contribution at 80%) fund development projects whose objective is to realise the commercial potential of NERC-funded research via a combination of complementary technical and commercial engagement work programmes.

Successful applications to the Follow-on Fund are invariably built upon a good understanding of the likely market potential for the technology around which the project is based.

If you are confident that you already have a sound assessment of these, and the other, issues described in Follow-on Fund - Guidance for applicants, you are ready to submit an application to the Follow-on Fund (call opening Spring 2017).

**If, however, there are gaps in your knowledge, you are strongly advised to first apply for a Pathfinder award.**

This will give you the best possible opportunity to secure Follow-on funding by enabling you to carry out work that will help you develop a greater understanding of the commercial aspects and possibilities of your research, and hence produce a more robust, better informed proposal for Follow-on funding.

Pathfinder awards enable you to fill such knowledge gaps via activities such as market assessment and competitor analysis, intellectual property searches, engaging with potential commercial collaborators and end-users, and ‘milestone 1’ technical work where the technical feasibility of the whole project depends on it.

Pathfinder awards are normally between £7k and £10k, but in exceptional circumstances a maximum of £25k is available (NERC will contribute £20k at 80% FEC).

**ESRC - EqUIP call for collaborative research on sustainability, equity, wellbeing and cultural connections**

**Deadline: 30 November 2017**


The call aims 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.

With a total funding of €5.5 million, it is expected that six projects will be funded. Researchers from India, Finland, France, Norway, Poland, Slovenia, and the UK are invited to apply.

Research proposals should focus on societal challenges facing both India and the respective European countries, with suggested themes including, but not limited to, sustainability, equity, wellbeing and cultural connections. Funders strongly encourage interdisciplinary approaches across the social sciences and humanities (SSH).

Each proposal under this call will require the building of consortia of three or more research groups based in three or more different countries participating in the call and be eligible for the funding from their national funding agencies. Every proposal must involve representation from India eligible for funding by the participating Indian funding agencies.

**NERC-DFID - Announcement of Opportunity: Future Climate for Africa - Gap Filling Fund**
The Future Climate for Africa (FCFA) is a £20 million international research programme to advance scientific understanding and prediction of African climate variability and change and, through interdisciplinary research, develop the knowledge, data and tools to better integrate climate projections into decision making today.

This closed call, the Gap Filling Fund, aims to support small projects led by early career researchers (up to 8 years post-PhD) already involved in FCFA. Projects of up to £80,000 cost to NERC over a maximum duration of 12 months will be supported. This call has a total available budget of £250,000 and successful projects are expected to start on 1 April 2018.

NERC – British Arctic Survey - Collaborative Antarctic Science Scheme (CASS)

The Collaborative Antarctic Science Scheme (previously known as the Collaborative Gearing Scheme – CGS) provides opportunities for UK researchers to access NERC-BAS Antarctic research stations and marine science cruises for the purpose of conducting small-scale, fieldwork-based science projects that do not require logistic resources additional to those already allocated to the Antarctic field programme supported by BAS. The projects should enhance existing funded research that has secured BAS logistic support, or may explore new ideas or test hypotheses in preparation for a funding bid to NERC. The Scheme does not provide funding for salaries, capital equipment or other direct science costs. Research proposals submitted for CASS support are expected to be relevant to NERC’s science remit, involve minimal impact on BAS logistic resources, and lead to findings that will be disseminated in the peer-reviewed literature.

Through the CASS, NERC provides the opportunity for scientists in recognised UK Higher Education Institutes (or other Research Council Institutes, or approved Independent Research Organisations) to undertake small-scale collaborative science projects that, by attaching additional personnel, instrumentation, or tasks to existing Antarctic activities, or using research station infrastructure, offer significant additional science outcomes. The CASS only provides access to Antarctic logistics and financial support to cover some specific costs as described under ‘CASS – Requirements and Costs’

NERC-BBSRC: Joint Call in Aquaculture: Collaborative Research and Innovation

BBSRC and NERC are pleased to announce a call for applications in aquaculture research. The purpose of this call is to support multidisciplinary research challenges in the aquaculture sector. All aquaculture research in the NERC/BBSRC remit will be eligible for this call, however a full call scope, outlining areas of particular strategic relevance, is published below.
A total of approximately £4.4 million is available for projects addressing key challenges in the aquaculture sector. Two types of funding will be available:

- Funding for up to 3 large consortia grants, bringing together expertise from multiple disciplines to address challenges which cross the BBSRC/NERC remit. These grants will be funded for up to 3 years at a maximum of £1.2m.
- Funding for 7-10 smaller innovation grants addressing needs of the aquaculture industry. These grants will be funded for 12-24 months at a maximum of £200k.

In both cases involvement of a non-academic project partner is mandatory. New Investigators are particularly encouraged to apply for translation awards. Applications to this call should be truly multidisciplinary, with integrated input from all co-investigators and project partners. As such BBSRC/NERC encourage all applicants to engage with project partners and potential end users from the very early planning stages of the project.

**NERC - Highlight topics - fourth round**

*Intent to submit: 23 January 2018*

*Call closes: 14 March 2018*


NERC invites proposals for the fourth round of highlight topics, a route for funding strategic research. Highlight topics focus strategic research on defined subject areas, and will be delivered through independent projects.

The highlight topics in this call are:

- A. Emerging risks from microplastics in the marine environment
- B. What is the 4PM? New understanding of soil organic carbon persistence to meet C offset targets
- C. Policy-relevant climate science to quantify and manage the risk of climate hazards
- D. Deep subsurface heat as a potential major future energy resource
- E. Multiphase evolution of volcanic emissions
- F. Preservation and potential of seafloor mineral resources
- G. The impact of light pollution on biological processes
- H. Understanding urban soil properties, functions, and below-ground interconnections in delivery of ecosystem services
- I. Impacts of future ship traffic and emission regulations upon gas-phase chemistry, aerosol composition and radiative forcing in the North Atlantic and Arctic atmosphere
- J. Objective verification of national carbon budgets for assessing climate change mitigation measures

NERC has allocated £24 million to this call. Please refer to the individual highlight topic scope outlined in the Announcement of Opportunity for the maximum duration and budget limits per project. There are more highlight topics than funding is available for, so that all highlight topics will not, necessarily, result in funded grants. Typically, grants will be in the order of £1.875m (100% FEC).

*Anyone considering applying to this scheme, please contact Khaled Taalab*

**NERC-CCS - Cabinet Office High Level Knowledge Exchange Fellowship**
NERC, in partnership with the Civil Contingencies Secretariat (CCS) of the Cabinet Office, is inviting applications for a Knowledge Exchange (KE) Fellowship, which will address how policymakers in the resilience and national security fields can draw on NERC science to protect the people of the UK.

The fellowship offers an opportunity to work at the heart of national risk assessment and resilience policymaking, working within the National Risks team, which leads on the National Risk Assessment (NRA) and National Risk Register (NRR). The fellow's role will be to:

- identify opportunities where environmental science can enhance national risk assessment and inform resilience and security policy challenges
- strengthen access to and uptake of science, enabling existing and emerging scientific knowledge to be rapidly and effectively translated for policymakers
- develop and foster sustainable connections between CCS, NERC and the wider environmental science community to inform future collaboration, investment and ensure the latest science continues to inform policymaking.

The fellow will enable CCS to take into account the latest environmental science, demonstrating the value and impact of environmental science within national risk assessment and resilience policymaking. In addition, the fellow will create sustainable links between CCS, NERC and the wider environmental science community to enable better alignment with the needs of the resilience practitioner community.

The fellowship is for a senior environmental scientist for a two-year period initially, with a possibility of extension. The fellow will spend most of their fellowship time within CCS offices in London. The fellow will be funded by NERC, at 80% full economic cost, with considerable in-kind contributions from the Cabinet Office.

RAEng - London Innovation Fellowships in Engineering - Enterprise Fellowships

Call closes: Monday 8 January 2018

Twelve Enterprise Fellowships of £60,000 each are available for London-based entrepreneurial academics wishing to spin out from university. This support package of seed funding, training and mentoring assists researchers to start a business based upon an engineering innovation. Awarded to individuals who demonstrate entrepreneurial potential. The Fellowship will focus on developing the awardee’s skills through training and implementation, so that by the end of the 12 month programme the business is ready to receive investment.

UCL Social Science Plus+

Call closes: 9am, 10 January 2018

UCL’s Collaborative Social Science Domain’s Social Science Plus funding scheme offers £10,000 to support an innovative, challenge-driven, cross-disciplinary pilot project.
project that will lay the basis for a major external funding application. Applications must be led by a Principal Investigator who is a UCL social scientist (based in any UCL dept. or faculty) in collaboration with a maximum of two Co-Investigators. One of the Co-Investigators must be a UCL non-social scientist from across the disciplinary spectrum. All applicants must be at post-doctoral level (equivalent) or above. Costed activities must be paid for by 31 July 2018. Principal Investigators must only submit one application as a Principal Investigator in this call. Principal Investigators may act as Co-Investigators in other applications. An award can fund research assistance / research organisation activities.

**Horizon 2020 Mobility for Growth Call LC-MG-1-2-2018: Sustainable multi-modal inter-urban transport, regional mobility and spatial planning (Research & Innovation Action (RIA))**

**Deadlines:** The application process is a two-stage one.

**Stage 1:** 30 January 2018

**Stage 2:** 19 September 2018


Proposals should address one or several of the following:

- The environmental, socio-cultural and spatial impacts of planning in large metropolitan regions, whilst also enhancing connectivity; governance and institutional issues should be included;
- The identification of new forms of mobility with the potential to have the greatest impact on spatial redesign of urban and low-density areas, on urban space sharing, on new public and private service allocation patterns, on investments in infrastructure, and new solutions for collective transport and transport planning;
- The use of geolocalization data, including Galileo and EGNOS for cooperative mobility in combination with other communication and telematic data to foster a more efficient use of infrastructure and reduction of air pollution;
- Suggest appropriate measures to ensure the lowest carbon and air pollutant level of transport with particular consideration for the interdependencies between different spatial patterns of production/consumption and the energy and carbon intensity of the related transport systems;
- Comprehensive planning for the entire functional area, adapting, further developing and extending the Sustainable Urban Mobility Plan (SUMP) concept, considering specific needs of metropolitan regions, new operating models in collective public and private transport, overcoming social segregation and inequalities, including gender inequalities, in access to education, jobs, health and leisure;
- The coordinated development of sustainable policies with proven environmental impact, e.g. air-quality and noise-sensitive traffic management, including "nowcasting" as well as long-term strategy, region-wide freight and logistics concepts, shared mobility and innovative collective mobility promotion and incentives/disincentives for access to urban centres.

**How much you can get:** €5-8m
DFID-ESRC-MRC-Wellcome Providing evidence to strengthen health systems in Low- and Middle-Income Countries (LMICs) Call

Deadlines:
Research Grants: Applications for research grants will be subject to a 2-stage review process. Only those successful at the outline stage will be invited to submit a full application. Deadline for outlines 30 January 2018
Foundation Grants: 5 June 2018
https://www.mrc.ac.uk/funding/browse/hsri-5/health-systems-research-initiative-call-5/
The Department for International Development (DFID), ESRC, MRC and Wellcome jointly fund the Health Systems Research Initiative. Launched in 2013 this programme aims to generate world class and cutting-edge research that addresses key questions on strengthening and improving health systems in developing countries. Following an excellent response to this programme from the research community, funding has now been secured for an annual call under this initiative until 2021.
The programme’s aims are to fund methodologically rigorous, high quality research that will:
1. Generate evidence on how to strengthen and improve health systems for people living in low- and middle-income countries.
2. Use a health systems approach to inform the delivery of evidence-based interventions or structural changes. Proposals must demonstrate how interventions relate to and affect wider elements of a health system such as governance, financing, health workforce, information systems, service delivery etc.
3. Provide evidence that is of direct relevance to decision makers and practitioners in the field.
This is the fifth annual call for the Health Systems Research Initiative. Up to £6million is available for funding proposals under this call. Innovative proposals are sought from across the public health, social and biomedical sciences and must clearly identify what health system challenge is being addressed. Two kinds of grant are available: Research Grants and Foundation Grants. The duration of a research grant is usually up to 3 years, with a maximum duration of 5 years. The duration of foundation grants is between 12-18 months. The purpose of a foundation grant is either:
- To conduct preliminary studies needed before a full research grant proposal can be designed; this can include work to evaluate existing interventions or pilot and feasibility work to inform plans for future research, or
- To explore possible health system innovations, under-researched areas or creative approaches that have the potential to be developed further; however such proposals should also have practical applications and should not be purely conceptual.
How much you can get:
Research Grants: there is approx. £4m available for Research Grants under this call and the funders would like to fund 5-10 projects under this scheme
Foundation Grants: up to £200k

Horizon 2020 Blue Growth Call BG-08-2018-2019: All Atlantic Ocean Research Alliance Flagship
Deadlines: Sub-topic A has a one-stage application process, Sub-topic B a two-stage application process
Sub-topic A: 13 February 2018
Sub-topic B: 13 February 2018 (stage 1), 11 September 2018 (stage 2)

Sub-topic A: Coordination of marine and maritime research and innovation activities in the Atlantic Ocean (Coordination & Support Action (CSA))
Activities shall launch a multi-stakeholder platform to reinforce international cooperation between Europe and tropical and South Atlantic countries and to connect with the challenges and research needs of the North Atlantic Ocean. The platform shall address the following: enhance business opportunities and the up-take of innovations e.g. aquaculture production systems, marine and maritime technologies; develop common standards e.g. for deep ocean and shelf observing systems, seafloor mapping, ecosystem approaches in utilizing marine living resources; reinforce capacity-building by aligning European training programmes, including through industrial apprenticeship opportunities and networking with Atlantic partners; promote citizen awareness and literacy on ocean issues; align and converge international research and innovation cooperation activities and other relevant initiatives and investments between the northern and southern Atlantic countries.

Sub-topic B: Assessing the status of Atlantic marine ecosystems (Research & Innovation Action (RIA))
Activities shall enhance knowledge on the status and dynamics of Atlantic marine ecosystems, quantifying the main drivers of short and long-term change and examining the interactions between different stressors, including climate change, and the role of cumulative impacts on ecosystem functioning and associated ecosystem services. They shall also contribute to improving the sustainability of the exploitation of the marine resources, through extending climate-based predictions as well as testing for so-called tipping points, regimes shifts or more advanced assessments of ecosystem stability.

How much you can get:
Sub-topic A: €4m
Sub-topic B: €9m

Horizon 2020 Building a Low-carbon, Climate-resilient Future:
Climate Action in Support of the Paris Agreement Call LC-CLA-08-2018: Addressing knowledge gaps in climate science, in support of IPCC reports (Research & Innovation Action (RIA))
Deadlines: The application process is a two-stage one.
Stage 1: 27 February 2018
Stage 2: 4 September 2018

Actions should address only one of the following sub-topics:

a) Improving the understanding of key climate processes for reducing uncertainty in climate projections and predictions: Actions should achieve better understanding of key processes, and associated feedbacks, affecting the
climate-Earth system over time, in order to improve climate projections and predictions and constrain climate sensitivity estimates. How much you can get: €6-8m

b) **Tipping points**: Actions should result in better understanding of abrupt climate change, of climate-related Earth system tipping elements and their tipping points, and associated impacts. How much you can get: €6-8m

c) **Ice-core drilling in East Antarctica**: Actions should build on the outcomes of the Horizon 2020 project ‘Beyond EPICA’ (http://www.beyondepica.eu), and contribute to the European endeavour which aims to obtain a 1.5 million year old ice-core from East Antarctica. This will allow to better constrain the climate response to future GHG emissions and to unravel key linkages between the carbon cycle, ice sheets, the oceans and the atmosphere. How much you can get: €10m

Horizon 2020 Building a Low-carbon, Climate-resilient Future: Climate Action in Support of the Paris Agreement Call LC-CLA-01-2018: Supporting the development of climate policies to deliver on the Paris Agreement, through Integrated Assessment Models (IAMs) (Research & Innovation Action (RIA))

Deadline: The application process is a two-stage one.

Stage 1: 27 February 2018
Stage 2: 4 September 2018

Actions should address only one of the following:

a) **Supporting the design and assessment of climate policies**: Actions should provide new and more comprehensive scientific knowledge on the design, requirements, governance and impacts of climate action at national, European and global level, for the effective implementation of NDCs, the preparation of future action pledges, the development of 2050 decarbonisation strategies in major emitting countries and for supporting the 2023 global stocktake under the UNFCCC. The potential and feasibility for dynamically increasing decarbonisation ambition over time should be considered, together with related socio-economic impacts and co-benefits, also taking into consideration market-driven actions. This action should be based on the use of ensembles of Integrated Assessment Models (IAMs), covering the entire economy, all greenhouse gases, and the wide range of climate, air quality/environment, energy and other sectoral policies contributing to decarbonisation, and should provide useful information at global and national level. Beyond the EU, proposals should extend their analysis to some major emitters outside Europe and to selected less developed countries.

b) **Improving Integrated Assessment Models (IAMs)**: Actions should further improve the state-of-the-art of IAMs, in order to provide robust and transparent assessments to support the design and evaluation of all mitigation policies – including those on energy efficiency and renewables – in the short to mid-term, as well as to address the challenges and opportunities related to long term decarbonisation with a time horizon beyond 2050. Improvements in one or more
of the following areas should be addressed: sectoral coverage across the entire economy, inclusion of all greenhouse gases, representation of issues such as structural and behavioural change and uncertainty, inequality, interaction with other relevant development goals, negative emission technologies, co-benefits of actions due to avoided impacts and reduced adaptation needs. Furthermore, actions should also improve the geographical coverage of global models including through in-country development of national modelling capacity.

How much you can get: €5-7m

**Horizon 2020 Building a Low-carbon, Climate-resilient Future: Climate Action in Support of the Paris Agreement Call LC-CLA-03-2018: Climate change impacts in Europe (Research & Innovation Action (RIA))**

Deadline: The application process is a two-stage one.
Stage 1: 27 February 2018
Stage 2: 4 September 2018


Actions should address only one of the following sub-topics:

a) **Climate change impacts on health in Europe**: Actions should review, report and progress on the current state-of-the-art on the links between climate change and impacts on human health in Europe that have thus far been poorly addressed or understood. Actions should also identify associated costs and suggest effective adaptation strategies, quantify health co-benefits from mitigation and early adaptation, target research actions to address key issues and identified research gaps and prioritise those that are of significance for Europe.

b) **Global climate change impacts from a European perspective**: Actions should consider how direct and indirect impacts beyond European borders will affect supply and value chains of relevance for the European economy and society, and related sectors such as finance, business, infrastructure, resources and commodities. Actions should also consider how these impacts will affect relevant European policies, such as those on climate change, foreign affairs, security, agriculture and/or others, and analyse how perceived associated risks may further impact on Europe.

How much you can get: €5-7m

**Horizon 2020 Building a Low-carbon, Climate-resilient Future: Climate Action in Support of the Paris Agreement Call LC-CLA-04-2018: Resilience and sustainable reconstruction of historic areas to cope with climate change and hazard events (Research & Innovation Action (RIA))**

Deadline: The application process is a two-stage one.
Stage 1: 27 February 2018
Stage 2: 4 September 2018

Actions should:

- Develop, deploy and validate tools, information models, strategies and plans for enhancing the resilience of historic areas to cope with disaster events, vulnerability assessment and integrated reconstruction;
- Test and pilot novel cost-effective solutions to enhance the resilience of buildings and whole historic areas to natural hazards, including climate change related events, while at the same time fully respecting the historic value of the places;
- Provide science- and evidence-based guidelines and models to local authorities for carrying out sustainable reconstruction within a participatory and community-based context, while adopting new governance and finance models;
- Improve and further develop models to predict direct and indirect impacts of climate, global and environmental change and related risks on historic areas;
- Review, map and systematically characterize existing experiences and good practices in Europe and globally, through evidence and common metrics to evaluate and establish their replicability conditions, and recommend how historic areas can be rendered more resilient and better prepared to face future disaster events.

*The participation of social sciences and humanities disciplines such as gender studies, architecture, archaeology, cultural anthropology, law, economics, governance, planning, cultural and historical studies, is considered essential* to properly address the complex challenges of this topic. Consortia should also include societal stakeholders and community-based partners to find practical and durable solutions.

How much you can get: €5-6m

**Horizon 2020 Greening the Economy in Line with the Sustainable Development Goals (SDGS) Call SC5-19-2018: International network to promote cultural heritage innovation and diplomacy (Coordination & Support Action (CSA))**

Call closes: 27 February 2018


Actions should establish an international network that will capitalise on EU expertise to leverage the value of European cultural heritage assets, promote heritage-led innovation for sustainable development and provide expertise and assistance, particularly where cultural heritage is at risk. The network should include researchers, policy-makers, businesses (including SMEs), societal and cultural institutions, including NGOs and CSOs, public and private organisations, investors, experts, innovators and citizens.

How much you can get: €2.5-3m
Notices

Join the Environment Domain Early Careers Network (EDEN)
EDEN are looking for new committee members to join our team ([current EDEN people](#)). You will be expected to contribute with ideas, organisation of events or any activities that promotes the career of early-career researchers interested in the environment. This is an opportunity to boost your CV while networking with a friendly team of researchers from across UCL. Examples of past and planned activities are:

- A seminar series exploring the linkages between human well-being and the natural environment
- A series of talks and workshop about academic writing
- A writing retreat in collaboration with other early-career networks
- A social outing looking a wildlife around campus
- And much more!

As a recap, EDEN, UCL’s Environmental Domain Early-carer Network, is open to all researchers with an interest in environmental studies and identifying themselves as early career researchers, e.g. PhDs, post-docs, fellows and newly-appointed lecturers.

Our aims are to:

- Promote multidisciplinary research
- Provide a platform for peer support, career advice, mentoring, training, funding information, etc.
- Identify and highlight key needs of early-career researchers
- Bring key themes that UCL environment researchers are working on to the fore
- Promote work-life balance, equality, diversity and inclusion.

For more information, see the eden [website](#) or to volunteer contact [vpro.eden@ucl.ac.uk](mailto:vpro.eden@ucl.ac.uk)

AMR-SAN Workshop - Sustainable sanitation for the reduction of the spread of antimicrobial resistance through wastewater

Application deadline: 5 pm, Sunday 31st December 2017

Applications are now open for the AMRSan Researcher Links Workshop taking place at the Institute of Chemical Technology Mumbai from 5th to 8th February 2018. The AMRSan workshop will aim to stimulate research collaborations between the UK and India by exploring how sustainable sanitation technologies can be employed in the reduction of the spread of antimicrobial resistance and is aimed at early career researchers.

The workshop is funded by the Newton Fund and the Royal Society of Chemistry. All participants’ travel and accommodation expenses will be covered by the Newton Researcher Links programme. Applications for the workshop are now open. Applications will be judged on how their professional research goals are aligned with the workshop objectives.
Applications should be submitted by 5 pm on Sunday 31st December 2017 to Dr Lena Ciric at University College London (l.ciric@ucl.ac.uk), the UK coordinator of the workshop. Please contact Dr Ciric if you have any queries.

NERC Pre-announcement: Forthcoming Newton Fund activities
http://www.nerc.ac.uk/funding/application/currentopportunities/newton-activities/
NERC has secured funding for a number of new Newton Fund programmes and is currently developing these in collaboration with funding agencies in the partner countries.
Future programmes to be announced in 2017 include:
- **Ganga Delta - Bay of Bengal Interactions.** A joint programme with India's Ministry of Earth Sciences to understand how the Ganga Delta and Bay of Bengal are being impacted by climate change and human activity and how the risks to the ecosystem services they provide can be mitigated.
- **Wallacea understanding biodiversity and evolutionary responses to environmental change.** A joint programme with Indonesia's Indonesian Science Fund (DIPI) to improve our understanding and predictive capabilities of community biodiversity and dynamics, in response to environmental change.
- **Increasing resilience to hydrometeorological hazards.** Collaborative research programmes are under discussion with partners in five countries in Southeast Asia: Ristekdikti in Indonesia, NAFOSTED in Vietnam, MiGHT and MoHE in Malaysia, PCIEERD in the Philippines and TRF and NSTDA in Thailand. The aim of each programme will be to improve understanding of impacts of hydrometeorological hazards and how to increase resilience.

It is anticipated that workshops will be held for each of these activities. The timing and venue of each workshop is to be confirmed, but they are likely to be in the autumn and take place in the partner countries. Once the arrangements for the workshops are confirmed, NERC will issue calls for participants, open to researchers working in relevant disciplines and eligible for NERC funding.

**Green Infrastructure Partnership**
The Green Infrastructure Partnership (GIP) is a rapidly growing network of more than 2,000 people and organisations that support the creation, enhancement and promotion of green infrastructure (GI) in the UK to improve quality of life, health, ecological diversity, resilience to climate change and economic attractiveness. Membership of the Green Infrastructure Partnership is free: you can join using the following link https://www.tcpa.org.uk/gip-newsletter
The GIP enables people to share information - research, innovation, news and best practice - via newsletters and events. Its strategic focus is to influence key decision-makers by ensuring they have appropriate evidence about the value of GI to inform their decisions.
GIP publish the Green Infrastructure Resource Library a free, searchable database of research and other resources about green infrastructure, and have an online calendar of green infrastructure events in the UK and Europe.
The next GIP conference will be on 12 July 2018. The most recent GIP newsletter can be found here: http://mailchi.mp/80ed96ee65bde/news-and-updates-from-the-green-infrastructure-parntership-924601?e=95a1ee6397
UCL Research Staff Hub website
http://www.ucl.ac.uk/hr/od/research-hub/index.php
The new UCL Research Staff Hub website, an online platform hosted by Organisational Development, provides a single point of access that supports self-service and the collection of evidence to demonstrate cross disciplinary research activities and development opportunities across UCL. The research-hub together with the bespoke research programmes are part of an initiative to enhance the provision for supporting the development of our UCL research staff.

POSTnotes research topics include Environment and Energy
http://www.parliament.uk/mps-lords-and-offices/offices/bicameral/post/about-post/post-board/
The Parliamentary Office of Science and Technology (POST) Board plays a central role in ensuring POST continues to provide Parliament with first-rate information and advice on matters of relevance.
Members of the Board convened in early 2017 and have selected the following research topics for upcoming POSTnotes:

**Biological Sciences and Health**
- Regulating Advanced Therapies
- EU Clinical Trials Regulation

**Environment and Energy**
- Environmentally Sustainable Agriculture
- *Update to Sea Level Rise POSTnote 363*
- Benefits of Earth Observation Systems
- Environmental Effects of Engineered Nanoparticles

**Physical sciences**
- Social Media and Access to Information

**Social sciences**
- Communicating Risk
- Migrants and Housing

Those interested should contact post@parliament.uk for further information, and afterwards UCL Public Policy (S.chaytor@ucl.ac.uk) would be very happy to provide advice and support as required.

Seeking Environment Research Photographs

No deadline
If you have any good quality photographs that you would be willing for the Environment Domain to use in publicity material, please do send them to environment@ucl.ac.uk along with a brief description and any necessary permissions information (particularly if you didn’t take the photograph, or if individuals are particularly prominent).
Your images could be used on the website, in printed material, on social media and in presentations – always with your credit attached. By submitting an image, you agree to it being used as such, unless specifically communicated at the time (we may not follow up to check permissions so please be explicit).
We would encourage you to invite your PhD students to send in images taken during their studies and research into environment related issues.