Global Challenges Research Fund
Resilient Futures Challenge-led Grants Scheme Notes

1. Overview

Background

The [Global Challenges Research Fund (GCRF)](#) is a £1.5 billion fund announced by the UK Government to support cutting-edge research that addresses the challenges faced by developing countries. The Fund forms part of the UK's Official Development Assistance (ODA) commitment which is monitored by the Organisation for Economic Cooperation and Development (OECD). ODA-funded activity focuses on outcomes that promote the long-term sustainable growth of countries on the [OECD Development Assistance Committee (DAC)](#) list and is administered with the promotion of the economic development and welfare of developing countries as its main objective. All applications under this programme must therefore be compliant with these [guidelines](#). The UK research base can make a significant contribution to addressing global challenges and the GCRF offers a real opportunity to make significant progress in many areas of research that will benefit developing countries.

Challenge-led Grants

As part of the GCRF, the UK National Academies have launched interdisciplinary Challenge-led Grants with a focus on resilience.

This call invites proposals from researchers across all academic disciplines, and will provide two and half years of support, for Research Consortia focused on addressing at least two of the 12 global challenge areas with at least one in areas 1-9 (Equitable Access to Sustainable Development and Sustainable Economies and Societies, as outlined below). These interdisciplinary consortia will generate new approaches to significant and complex resilience problems facing developing countries and will consist of one UK research group and two developing country research groups.

The Royal Society will lead this call, on behalf of the UK National Academies, and applications should be made through the Society's grants and awards management system.

Objectives

The objectives of these awards are:

- **Funding Excellence -** Generate excellent and novel research on global challenges directly and primarily relevant to developing countries that cuts across multiple thematic areas covered by the [Sustainable Development Goals](#) (SDGs).

- **Supporting Collaboration**: Support the development of sustainable consortia comprising outstanding researchers in the UK and the best research groups in DAC-list countries to generate new approaches to the most significant and complex problems faced by developing countries.

- **Promoting Interdisciplinary Approaches**: Promote collaboration across different disciplines to take an interdisciplinary approach that generates new knowledge and insights from across different research disciplines.

- **Strengthening Research Capacity** - Strengthen research capacity in developing countries through collaboration, sharing of knowledge and skills and exchange of staff between research groups in the UK and their partners in developing countries.

Global Challenge Areas

Proposals should address the [GCRF research agenda](#) for enabling change. All proposals should address **at least two** of the 12 global challenge areas below with at least one in areas 1-9 (Equitable Access to Sustainable Development and Sustainable Economies and Societies).

Equitable Access to Sustainable Development
1. secure and resilient food systems supported by sustainable marine resources and agriculture
2. sustainable health and well being
3. inclusive and equitable quality education
4. clean air, water and sanitation
5. affordable, reliable, sustainable energy

Sustainable Economies and Societies
6. sustainable livelihoods supported by strong foundations for inclusive economic growth and innovation
7. resilience and action on short-term environmental shocks and long-term environmental change
8. sustainable cities and communities
9. sustainable production and consumption of materials and other resources

Human Rights, Good Governance and Social Justice
10. understand and respond effectively to forced displacement and multiple refugee crises
11. reduce conflict and promote peace, justice and humanitarian action
12. reduce poverty and inequality, including gender inequalities.

The above global challenges are illustrative and are not intended to constrain innovative approaches in other areas that address the GCRF's aim of supporting excellent research that directly contributes to the development and welfare of people in developing countries.

Subjects Covered

The proposed research must fall within the remit of the UK national academies and be interdisciplinary.

- Royal Society (natural sciences, which includes but is not limited to biological research, chemistry, engineering, mathematics and physics. For a full list, please see https://royalsociety.org/grants-schemes-awards/grants/subject-groups/).

- British Academy (any discipline within the social sciences and humanities. This does not include primarily practice-based outputs such as in musical composition and performance, visual practice, creative writing, and film-making; such outputs are considered to fall within the British

Academy's remit only when they form part of an integrated project of critical or historical significance).

- Academy of Medical Sciences (clinical and patient-oriented research including the broad field of biomedical sciences and those on the clinical training pathway, but excluding clinical trials).

- Royal Academy of Engineering (any engineering discipline. Engineering is defined in its broadest sense, encompassing a wide range of diverse fields, including computer science and materials).

For the purposes of this call interdisciplinary research is defined as "a mode of research by teams or individuals that integrates information, data, techniques, tools, perspectives, concepts, and/or theories from two or more disciplines or bodies of specialized knowledge to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline or area of research practice. Successful interdisciplinary research plans and supports research practices and outputs greater than the sum of their constituent disciplinary parts."

Value and Support Provided

The Royal Society will provide a maximum contribution of up to £500,000. The Society will fund 80% of the value of the award (including directly incurred, directly allocated and indirect costs) for the UK applicant in line with full economic costing, and the percentage as outlined on page 6-7 for the DAC-list country co-applicants. It is expected that the Society will provide up to £100,000 in the first four months to set up the partnerships, followed by up to £200,000 in each of the two subsequent years to support research activity.

The grant can be used flexibly on activities directly relevant to the proposed research. Requests can include:

- Consumables (inc. fieldwork)
- Travel and subsistence
- Networking costs, including costs for organising meetings and events
- Small pieces of equipment (no more than £10,000 per item)
- Research Assistant Salary (or contribution) – this may include postdoctoral research assistants
- Training and Skills Development activity
- Time of the lead applicant and/or co-applicants
- Contributions to overheads.

Further details can be found below under **'Eligible Details'** and **'Financial Details'**

The award will be paid by the Royal Society to the UK institution in the first instance. The applicants need to identify the most efficient method to transfer the funds to the overseas institution(s). Payments of up to a maximum of £100,000 will be made at the beginning of the first year of the award. Payments for year 2 and 3 will be paid quarterly in advance and will be processed on receipt of a satisfactory annual report.

Duration and Start date: Awards are available for two and half years. Awards must start in March 2019.

Number offered: Approximately 15

2. Timing and Assessment Criteria

Opening and Closing dates:

Round	Opening Date	Closing Date	Earliest Project Start Dates
2018	17 July 2018	11 September 2018 15:00 UK time	1 March 2019

Results available: Applicants will be notified of the outcome in February 2019.

Applications should be submitted through the Royal Society's Grants and Awards management system (Flexi-Grant®) via https://grants.royalsociety.org

Assessment Criteria

The primary considerations will be:

- How the proposal will address two or more global challenges directly and primarily relevant to developing countries and the potential application(s) of the research work.

- The strength of the interdisciplinary research collaboration and team, complementarity of competencies, skills and knowledge, and potential of the proposed project to develop new directions of research.

- The importance and academic merit of the proposed research and the clarity, quality and originality of the proposed interdisciplinary project and likely contribution to the research fields, and whether the research plan is clearly defined and feasible.

- The track record of the applicants and their ability to develop and lead the research.

Review Process

- All applications to the Challenge-led Grants programme will be assessed by the Challenge-led Grants Panel. The interdisciplinary panel membership includes Fellows of the four National Academies.

- Following eligibility checks the proposals submitted are initially reviewed and assessed by two members of the selection panel who have the most appropriate expertise. Following initial assessment a shortlist is drawn up, with shortlisted proposals subject to high quality independent peer review. Following completion of independent peer review a final shortlist for discussion at the panel meeting is drawn up.

Please be assured that anyone involved in reviewing applications will be specifically requested to consider them in confidence.

3. Eligibility details

Applicant Eligibility

- The scheme is open to UK-based researchers (named applicant) and two overseas researchers (named co-applicants) who should be based in a country on the OECD DAC list (DAC list countries can be found at http://www.oecd.org/dac/stats/daclist.htm).

- The applicant and co-applicants should have completed a PhD or have extensive experience at an equivalent level, and must be recognised as independent group leaders with the ability to have significant intellectual input and form part of the leadership team actively assisting in the direction and management of the project.

- The applicant and co-applicants must hold a permanent or fixed term contract for the duration of the award at a university or not-for-profit research institution in their respective countries. Ineligible organisations include industrial, private and commercial organisations, university spin-out companies, and governmental bodies.

- Applicants are not permitted to submit more than one application to this call.

- Projects can include any number of specified 'Other participants' who may be part of the research groups or be relevant affiliated stakeholders participating in workshops etc. Not all 'Other participants' have to be in a DAC-list country. They can include relevant industry, policy or practitioner stakeholders.

Proposal Eligibility

- Proposals must address research questions or projects relevant to global challenge areas as highlighted on page 2, and be directly and primarily relevant to the problems of developing countries.

- Proposals must address **at least two** of the 12 global challenge areas on page 2 with at least one in areas 1-9 (Equitable Access to Sustainable Development and Sustainable Economies and Societies).

- Proposals must demonstrate an interdisciplinary approach that generates new knowledge and insights from across different research disciplines. A description of interdisciplinary research for the purposes of this call is included on page 3.

- Applications are welcome from partners conducting research in fields that are not traditionally associated with global challenges.

- All research applications under the Global Challenge Research Fund must comply with eligibility requirements for Official Development Assistance for funding from the Global Challenge Research Fund, details of which can be found within these guidelines.

The Academies encourage applicants from underrepresented groups.

Eligible Costs

The Society will fund 80% of the value of the award for UK applicants in line with full economic costing, and the percentage as outlined below for DAC-list country co-applicants. Applicants must consult with the appropriate financial administrators at the UK host institution before completing the financial sections of their application. Applicants can request a contribution of up to £100,000 from the Society in the first four months and £200,000 from the Society in the subsequent two years on the following costs:

Costs can be included from the UK-based partner institution and DAC-list country based partner institution(s) as follows:

Research Partner Organisation Location	Direct Costs	Indirect (overheads and institutional) Costs
UK (applicant)	Current fEC policy (80% directly incurred costs, directly allocated and indirect costs)	
DAC-list countries (co-applicant)	Up to 100% eligible costs	Up to 30% of the total eligible direct costs requested

Applicant Direct costs

Salary

- Costs for (or contribution to) a UK research assistant salary who will work on the project. These may include postdoctoral research assistants.

- Contribution to the time the lead applicant will spend on the project. No more than 20% of the PI salary can be requested.

Research expenses

Costs for consumables, specialised equipment, training, travel, and other research expenses should be defined and justified by the lead applicant. The Society will cover 80% of these costs unless otherwise stated.

- Costs of equipment can be no more than £10,000 (including VAT) per item. Funds for the purchase of specialised equipment can include the cost of installation, spares or software procurement and the annual cost of maintenance or relocation charges specifically related to the newly purchased equipment. The Society will meet 100% of the costs of equipment under £10,000 per item.
- Costs for travel and subsistence (i.e. accommodation, food and local travel costs to be incurred as a result of the international travel/visits and conferences directly related to the proposal) can be included.
- Other research expenses may include field trip expenses, access charges of external facilities, animal purchase costs, software licences. Costs associated with organising meetings between the consortia members and for organising conferences, workshops or seminars can also be included.

- Costs for courses, conference attendance, training modules and specific skills and training activities that will benefit the overseas co-applicant(s) and their team.

Note: International & national airfares are expected to be economy/APEX rates. The most economic method of transport should be used when calculating travel costs

Applicant Indirect costs

Indirect costs cover the costs of the Research Organisation's management and administrative services (including the personnel and finance departments, research management, library, central computing and some departmental services); and other research costs not directly chargeable to the grant. The Society will meet 80% of the indirect costs.

Applicant Directly allocated costs

This includes estate costs and other directly allocated costs. Other directly allocated costs can be requested, calculated on the basis of estimates, with the exception of research and technical staff time, depreciation costs and charge out costs for major facilities. The Society will meet 80% of the directly allocated costs including estate costs.

Co-applicant Direct Costs

Co-applicants' direct costs will be paid at 100**%.**

Salary

- Costs for (or contribution to) an overseas research assistant salary who will work on the project. These may include postdoctoral research assistants.

- Co-applicants may also request a contribution to their time spent on the project. No more than 20% of each of the co-applicants salary can be requested.

Research Expenses

Cost of research expenses as outlined above in the "Applicant Direct costs" section.

Co-applicant Indirect costs

The Co-applicants may include 30% of the total value of their direct costs to cover the indirect cost associated with the Research. These should cover those costs which would be considered as part of the cost of running an effective office or research institution. The following costs may not be included as direct costs for this call and therefore must be included in the requested indirect costs:

- Charges for office or laboratory space
- Electricity, heating, lighting
- Telephone and basic communication costs
- Routine photocopying and printing
- Standard office computing, including desktop and laptop computers and associated software Individual items of computing equipment may not be charged to a grant
- Office support staff (e.g. finance staff, basic secretarial support, computing support staff)
- Continuing Professional Development for staff.

All indirect costs must be justified.

Applicant and Co-applicant Ineligible costs:
- costs associated with animal breeding and housing
- publication costs
- website costs
- renovation and refurbishment costs
- costs of protection of intellectual property
- non-specialised computer hardware, including desktops, laptops and associated software
- PhD fees or studentship costs
- Masters studentships (Project specific travel and subsistence and research costs associated with students who are involved in the consortia may be included).

4. Partnerships

Partnership building between UK research organisations and organisations in developing countries is an essential part of this call. It is expected that proposals are co-developed and that consortia form genuine, equitable partnerships through the lifetime of the award. Applicants may wish to refer to the Research Fairness Initiative.

Proposals can include skills and training activities to address specific skills gaps.

As part of this process, it is expected that each consortium will clearly and fully define the roles and expectations of each partner in the consortium for the duration of the award at the outset of the programme. If the consortium application is successful they will be required to complete a consortium-level management plan, which will lay out the shared approach for managing the collaboration, and include roles and responsibilities, financial management plan, risk register, data management, intellectual properties, publications and any other forms of contribution and recognition arising from any work through the award, etc.

5. Application Guidance Notes

Using Flexi-Grant®
Applications can only be submitted online using the Royal Society's Grants and Awards management system (Flexi-Grant®) via **https://grants.royalsociety.org.** Support, FAQs and troubleshooting can be found via http://royalsocietyapplicantsupport.fluenttechnology.com/support/home. If you have not previously used Flexi-Grant®, please follow the registration process from the Flexi-Grant® homepage. **Paper-based applications will not be accepted.**

Before completing the online form, all applicants should check that they comply with the eligibility requirements and ensure all necessary information is presented in the application. These requirements are strictly adhered to and applications without all the necessary information, or evidence to show the assessment criteria are met, will be rejected.

ORCID identifier: All applicants applying to the Challenge-Led Grants will be required to obtain an ORCID (Open Researcher and Contributor ID) identifier before they can commence their application. ORCID maintains a registry of unique researcher identifiers and a transparent method of linking research funding,

research publications, research data and any other research outputs to these unique identifiers. You can register for an ORCID identifier via https://orcid.org/register.

Further information about the Grants and Awards Management system can be found via https://royalsociety.org/grants-schemes-awards/grants/flexi-grant/.

Completing the application form
The application can be completed by using the navigation tabs on the application summary page, with each page categorised as follows:

Eligibility Criteria
Contact Details
UK Applicant Career Summary
Overseas Co-applicant (1) Career Summary
Overseas Co-applicant (2) Career Summary
Research Proposal
ODA Compliance
Use of Animals in Research
Use of Human Patients or Tissue
Financial Details
Applicant Declaration
UK Head of Department Support
Co-applicant (1) Head of Department Support
Co-applicant (2) Head of Department Support

Inviting Participants
All applications must be commenced by the UK applicant. The overseas partners will be considered as the co-applicants. To complete and submit the application form, the lead applicant is required to provide supporting statements from up to three individuals (including the Heads of Department for each co-applicant).These individuals, including the co-applicants, can be invited through the participants tab displayed on the application form summary page. Under this section of the form you will find each of the required participants as described above displayed. Please select invite and enter the e-mail address of the person who you wish to invite to provide the relevant statements, and send the invitation. Once the recipient has accepted your invitation, their status will be displayed as 'active'. Upon completion of their section of the application form, their status will be displayed as 'complete'. You will not be able to submit your application form until the status of all participants shows 'complete'. You can monitor the progress of your participant's activity through this section of the application form, and issue reminders as required. **Once participants have completed all their sections of the application form, please remind them to select 'Save & Submit' on the application form page or select 'Submit your contribution' on the summary page.**

Re-opening the Application form to Participants
On the occasion that an invited participant accidentally submits their section of the application form prematurely, the lead applicant has the ability to re-open the application form for the participant. To do this, the lead applicant should return to the Participant tab on the application form summary page. You

will find a 're-open' button alongside the name of any participant who has completed their section of the form. Once you click this button, the form is reactivated and available for participants to amend.

Research Support Role
The Research Support role displayed under the participants tab is an optional role, which allows you to invite an individual from the relevant UK Host Organisation research support team to review and amend the application prior to submission. The primary purpose is to ensure that the requested finances have been recorded correctly for this specific grant programme. As this is an optional role, it will not affect your ability to submit your application for approval.

The Royal Society will not be held responsible for automated emails that are not received due to address errors or spam filters and no provision is made for non-receipt of emails sent by the Royal Society.

Further guidance and support can be found through the [applicant and approver knowledge base](#).

Please note that questions with * are mandatory fields, which is typically the majority of questions. You will only be able to submit your application for approval by the Host Organisation once all sections of the application form have been marked as complete, and your participants have marked their work as complete (please check the status of participants under the participants tab on the application form summary page). Late applications will not be accepted.

It is recommended that Departmental Support is completed at least **5 working days** before the submission deadline **11 September 3:00pm UK time** to ensure there is sufficient time to submit the application for organisational approval. The Employing Organisation approver must approve the completed application by the submission deadline **11 September 3:00pm UK time.**

In the following table each box represents a page of the application form; the left-hand column contains the questions within each of these pages as set out in the form; the right-hand column contains useful guidance on its completion.

Please read these guidance notes carefully as you complete the form.

Summary	
Summary table	The summary page of the application form provides instructions for submission of your application for approval from the Host Organisation. In addition you are provided with an overview for each section of your application form, and the approximate length of time it will take to complete each section. The summary page also allows applicants to manage and invite participants (eg. Head of Department, research support etc.) who will partake in the application form. Instructions for inviting participants can be found under the 'participants' tab on the application summary page. **Note:** you will only be able to submit your application for approval by the Host Organisation once all sections of the form have been completed.

Eligibility Criteria	
Eligibility Criteria *	Confirm that the lead applicant and co-applicants meet the eligibility criteria. Details of the eligibility criteria can be found on pages 4-5.

Applicant and Co-applicants' Personal Details	
Title, Names, address, organisation and country *	Review and complete your *personal details* accurately. Errors in this section can cause difficulties in processing your application. Address: must be the organisation address at which you are based. Under this section, you should edit the *contact type* of the participants who will partake in your application form. The system default contact type is set as 'collaborator'. To amend the contact type of your Head of Department, click 'edit', and under the contact type field, select the 'Head of Department'.
Email address *	This field defaults to the account in which the application has commenced, and is where all correspondence pertaining to the application throughout the application process, and in the event of the application being successful, will be sent. The applicant must therefore commence the application using the login email address used to register a user account on Flexi-Grant®.

1. **Applicant Career Summary**	
2. Co-applicant (1) Career Summary	
3. Co-applicant (2) Career Summary	
Full name *	Please enter your full name, including title below. **(co-applicants only)**
Title of Current Position *	Please state the title of your current position. *(20 words max.)*
Current Employer *	Please enter the official organisation name of your current employer.
Current Department*	Please enter details of your current department name (e.g. Department of Astrophysics).
Contract Type *	Please select your current contract type from the list below.
Country *	Please select the country where your current employer is based. **(co-applicants) only)**
Current Position Start Date *	Please enter the date when your current position started.
Current Position end Date *	Please enter the date when your current position is expected to finish. If you are on a permanent contract please enter **31 December 2050** as your end date.
PhD Award Date *	Please enter the date that you were awarded your PhD. If you have not received your PhD, please enter your expected completion date below.
Field of Specialisation *	Please enter details of your field(s) of specialisation. *(20 words max.)*
Summary of Your Current Research *	Provide an outline summary of your current research. Please also include a brief comment on the strength of your organisations. *(200 words max.)*
Qualifications *	Please list all your qualifications in reverse chronological order.

	Note: if you have an existing ORCID identifier, you can retrieve your qualifications and career history information from your profile to complete this section of the application form.
Career History *	Please list all of your appointments since your PhD and the dates in reverse chronological order, stating if part-time (and percentage part-time) when necessary. **Note:** if you have an existing ORCID identifier, you can retrieve your qualifications and career history information from your profile to complete this section of the application form.
List your key and/ or relevant publications *	Please provide details of authors, titles and references of your best publications in refereed journals, in reverse chronological order. You should choose not only the best but also those most relevant to the application to support your case. Please list up to **ten** of your key and/or relevant publications. For publications arising from large collaborative programmes clearly specify the exact role and contribution made towards large collaborative research programmes that have resulted in multi-authored publications. **Note:** if you have an existing ORCID identifier, you can retrieve your key publications from your profile to complete this section of the application form.
Research Funding *	Please list all your current and previous research funding in reverse chronological order.

4. Research Proposal	
Project Title *	Please give the full title of your proposed project. *(20 words max)*
Start Date *	Please enter the proposed start date of the project. Please note that the start date must be no later than 01 March 2019.
End Date *	Please enter the proposed end date of the project. This must be 30 months from the start date.
Subject Area *	Select the subject area(s) that most closely defines the research area of the research proposal from the drop-down menu and tick box options. This will enable us to allocate the application to the most appropriate assessment panel.
Global Challenge Area(s) *	Select the primary Global Challenge Area that your research proposal will address. A secondary Global Challenge Area can be selected if your proposal will address more than one of these themes.
Sustainable Development Goals (SDGs) *	Please select one or more Sustainable Development Goals that your research proposal will address.
Lay Summary *	Please provide a lay summary of your proposed project. This should be understandable by a layperson. Explain why you have chosen to work in this subject area and what it is about your proposed research that you find particularly exciting, interesting or important. Please also explain the potential impact or wider benefits to society of your research.

	Please explain the potential impact of your research on addressing the global challenges facing developing countries avoiding specialist terminology. *(250 words max)*
Research Proposal *	You can either detail your research proposal within this application form *(Maximum 2000 words)*, or alternatively upload it as a PDF file. PDF files must be no longer than 4 sides of A4, portrait orientation, be titled and the text size cannot be smaller than Arial size 10. Your research proposal should provide a general description of the proposed research to be carried out. This should include, but is not limited to, the following: • clear specification of the context and research objectives of the proposed study. • description of the methodology to be used • an indication of milestones/timescales
Training*	We encourage a training element in the Challenge-led Grants that addresses specific gaps relevant to the research groups within the consortia. It is advised that the research groups undertake skills gap analysis to identify the training required. Within the text field of the application form please provide an overall summary of the proposed training activities, their relevance and suitability, who will receive the training, which training will be performed in the DAC list country or performed in the UK, and what are the expected outcomes.
Field Research *	Will you be conducting field research?
Overseas Field Research **(Upload only)**	Please upload documents related to the following (if applicable): **1. Permission** Any mandatory documents that show local support has been assured by way of permission from the government concerned to travel to and work in the country. **2. Collection of specimens** Any mandatory documents that show: • Specific permission has been obtained from the host country to collect and to export specimens and material. • The director of the museum or other decision makers where these specimens will be deposited has indicated his/her desire or willingness to have such specimens and material
Collaborations *	Please provide details of any collaborative arrangements that currently exist to support the proposed research, including the names of your collaborators (500 words max). Please provide details of any collaborators involved in the project who are not the lead applicant and co-applicants. Projects can include any number of specified collaborators (i.e. other participants) who may be part of the research groups or be relevant affiliated stakeholders, participating in elements of the project. Not all other

	participants have to be in a DAC-list country. They can include relevant industry, policy or practitioner stakeholders.
	Please describe the contribution to the project to be made by other participants, citing any particular specialism and expertise and the benefits envisaged.
Outline of data management and data sharing plan*	If the proposed research will generate data that is of significant value to the research community, then please provide details of your data management and sharing plan. *(200 words max)*
	The Academies support research as an open enterprise, and are committed to ensuring that data outputs from research supported by the Academies are made publicly available in a managed and responsible manner, with as few restrictions as possible. Data outputs should be deposited in an appropriate, recognised, publicly available repository, so that others can verify and build upon the data, which is of public interest.
	There is no set format for data management and sharing plans. Where they are required, applicants should structure their plan in a manner most appropriate to the proposed research. The information submitted in plans should focus specifically on how the data outputs will be managed and shared, detailing the repositories where data will be deposited. In considering your approach for data management and sharing, applicants should consider the following: • What data outputs will be generated by the research that are of value to the public? • Where and when will you make the data available? • How will others be able to access the data? • If the data is of high public interest, how will it be made accessible not only for those in the same or linked field, but also to a wider public audience? • Specify whether any limits will be placed on the data to be shared, for example, for the purposes of safeguarding commercial interests, personal information, safety or security of the data. • How will datasets be preserved to ensure they are of long-term benefit?

5. ODA Compliance
As this funding call is being supported as part of the GCRF all applications must include a statement demonstrating how they are ODA compliant and will promote the economic development and welfare of developing countries as the primary objective. Further information on ODA compliance under the GCRF is available here.

Which country/countries on the DAC list will directly benefit from this proposal? *	Tick the relevant country/countries
How is your proposal directly and primarily relevant to the development	Please provide a statement. (200 words max) Applications should describe the nature and scale of the problem or challenge they are seeking to address through this research. For example, how many people would be affected by progress in this area?

problems of these countries? *	
How do you expect that the outcome of your proposed activities will promote the economic development and welfare of a country or countries on the DAC list? *	Please outline the appropriate pathways to impact to ensure that the developing country or countries benefit from the research during and after the lifetime of the award. *(300 words max)* Applicants should explain how any stakeholder collaboration and knowledge exchange activities strengthen the pathways to impact and likelihood or scale of beneficial outcomes. This should include any specific commitments from institutions or enterprises from developing countries to adopt or apply outcomes of the research, and where appropriate it is helpful to outline how this enhances local innovation and research capacity at an individual, institutional or whole system level.

6. Use of Animals in Research
The funding Academies are committed to supporting the development of alternative methods to reduce and/or replace the use of animals in research. Applicants proposing to use animals in their research must ensure that the use of animals falls within the regulations stipulated in the Animals (Scientific Procedures Act) 1986 and subsequent amendments. Additionally, applicants should continually be aware of developments in best practice, and adopt the principles of the 3Rs (https://www.nc3rs.org.uk/the-3rs) when designing and conducting experiments on animals. Please note that all applications involving the use of primates, cats, dogs and equidae animals will be further reviewed by the NC3Rs, and will not be eligible for funding if the recommendations made in this review cannot be implemented. As funders of research, the Academies take their responsibilities towards the UK Animals (Scientific Procedures Act) 1986 seriously, and require applicants to consider the questions below when preparing grant applications that include the use of animals.

Does your proposal involve the use of animals or animal tissue?*	Select 'Yes' or 'No'. If you have selected 'Yes' it is mandatory to complete all of the relevant questions on the Use of Animals in Research page.

7. Use of Human Patients and Tissue
Any application for a research proposal involving human patients or tissue and therefore requiring local ethical committee approval will be considered only when accompanied by the necessary permission certificate or proof that ethical permission will be sought, which must be provided in English.

Does your proposal involve the use of human patients or tissue?*	Select 'Yes' or 'No'. If you have selected 'Yes' it is mandatory to provide either a certificate or letter as proof that ethical permission has been obtained. Please upload the file as a PDF in portrait orientation.

8. Financial Details	
Budget Table*	Applicants must consult with the appropriate financial administrators at the UK host institution before completing the financial sections of their application. **Maximum Grant:** Applicants can request up to £100,000 from the Society in the first four months, (this should be requested in the first column of the budget table for the year 2018/2019) and £200,000 from the Society in the subsequent two years (these costs should be requested in the 2nd and 3rd columns, years 2019/2020 and 2020/2021, of the budget table). Please make sure you do not request more than £100,000 in the year 2018/2019. The Society will provide a maximum contribution of up to £500,000. The Society will fund 80% of the value of the award (including directly incurred, directly allocated and indirect costs) for the UK applicant in line with full economic costing, and the percentage as outlined below for the DAC-list country co-applicants. Costs can be included from the UK-based partner institution and DAC-list country based partner institution(s) as follows: {table below} **When completing the budget table in Flexi-Grant® please ensure to provide 100% values.** **Note:** • **Direct costs** are costs that can be explicitly identifiable as arising from the award. The university must have an auditable record for these costs. These include salary and research expenses. **Please note:** Applicants will need to complete a budget table for the costs requested for each applicant and co-applicant, there are 3 budget tables in total. The total value that can be requested is inclusive of all budget tables.
Basic Salary *	Requests for salary may include: • Costs for (or contribution to) a UK research assistant salary who will work on the project. These may include postdoctoral research assistants. • Costs for (or contribution to) an overseas research assistant salary who will work on the project. These may include postdoctoral research assistants. • Contribution to the time the lead applicant and/or co-applicant(s) spend on the project up to a maximum of 20% of their time

Research Partner Organisation Location	Direct Costs	Indirect (overheads and institutional) Costs
UK (applicant)	Current fEC policy (80% directly incurred costs, directly allocated and indirect costs)	
DAC-list countries (co-applicants)	Up to 100% eligible costs	Up to 30% of the total eligible direct costs requested

	State the required basic salary for each year of the award for the people whose salary is being request. The salary should be based on an approved salary scale provided by the institution. The funding partners reserve the right to provide support at a different level if it is considered appropriate. No other salaries can be requested as part of this award. In the Justification section, please include a breakdown of what costs are associated with each individual requesting salary. This should include the basic salary and on costs. For example the salary costs associated with the UK research assistant should be detailed separately to the salary costs associated with the UK applicant.
On costs *	Please indicate the funding required for employer's on costs e.g. employer's National Insurance contributions and employer's pension contributions.
Consumables (incl. fieldwork) *	Funding for essential consumables may be requested. Please also include any field trip expenses such as fieldwork fees/subjects/informants.
Animal Purchases	Funding for animal purchases may be requested but should be fully justified in the relevant section of the application form (below).
Animal maintenance	Funding for animal maintenance may be requested but should be fully justified in the relevant section of the application form (below).
Training costs *	These can included costs for courses, conference attendance, training modules and specific skills and training activities that will benefit the Research Consortia. The costed activities should relate to the summary of training activities provided earlier in the application. **To Note**: Please include the justification of the training costs requested in the 'Justification for other expenses' section of the form.
Other Expenses*	Other research expenses may include access charges of external facilities, animal and plant licence fees, software licences. Costs associated with organising meetings between the consortia members and for organising conferences, workshops or seminars can also be included. Please note that costs associated with open access publications cannot be requested. Any request for other expenses must be fully justified.
Travel (inc subsistence) *	Costs for travel and subsistence (i.e. accommodation, food and local travel costs to be incurred as a result of the international travel/visits and conferences directly related to the proposal) can be included. Costs for attendance at conferences may be included where attendance will be of direct benefit to the research Note: International & national airfares are expected to be economy/APEX rates. Travel costs should be based on the most suitable and economical form of travel. In the Justification section, please include the estimated cost of individual travel expenses.

Equipment *	Funding may be requested for the purchase of specialised equipment and can include the cost of installation, spares or software procurement and the annual cost of maintenance or relocation charges specifically related to the newly purchased equipment.
	Costs of equipment can be no more than £10,000 (including VAT) per item.
Indirect Costs *	For UK Applicant: Indirect costs cover the costs of the Research Organisation's management and administrative services (including the personnel and finance departments, research management, library, central computing and some departmental services); and other research costs not directly chargeable to the grant.
	Indirect costs will be calculated by your organisation and a single figure is required. Information about the derivation or justification of indirect costs is not required for UK.
	For DAC-list Country Co-Applicant: This can include indirect costs associated with the Research. These should cover those costs which would be considered as part of the cost of running an effective office or research institution. Please see page 7 of Scheme Notes.
	Indirect costs will be calculated by your organisation and a single figure is required.
Estate Costs; and Other Directly Allocated Costs	For UK Applicant: Please provide details of the estates costs required. Other directly allocated costs can also be requested, calculated on the basis of estimates, with the exception of research and technical staff time, depreciation costs and charge out costs for major facilities.
	Estate Costs and Other Directly Allocated Costs will be calculated by your organisation and a single figure is required for each.
Justification*	Please fully justify all claims by referring to each budget heading. Note any relevant scheme restrictions. Funding will not be awarded without justification.

9. Applicant Declaration
Please declare that: • You have read the Terms and Conditions of Award under which Royal Society grants are awarded and, if a grant offer is made, you agree to abide by them. • You have access to the necessary facilities to enable you to deliver the research proposed, and will continue to have access to the facilities for the duration of the project. • You have agreed with your Head(s) of Department that you will be afforded sufficient time and resources to deliver the research project as described in this application. Please note that your declaration will be taken as a sign that your electronic signature is the legal equivalent to your wet signature on this application form

10. Head of Departmental Support
11. Co-applicant's (1) Head of Departmental Support
12. Co-applicant's (2) Head of Departmental Support

You should invite the Heads of Department from the UK and overseas organisations to upload a statement of support by following the instructions under the 'Participants' tab on the application form summary page. Please check that they are able to supply their statement by the deadline of **11 September 2018 3:00pm UK time.**

Please check which email address your Heads of Department would like to use, as they may already be registered on Flexi-Grant® and mistakes may lead to a delay in processing your application.

The Head of Department is expected to detail your suitability for the department and confirm that they will support you for the duration of the award. In addition they should confirm that you will be provided with adequate space and access to resources at the Host organisation.

If the applicant or co-applicant(s) is also the Head of Department, then details of the individual to whom they report to must be supplied instead i.e. Head of School, Head of Faculty or Dean.

6. Other Information & Enquiries

Use of application data

Please note that information regarding your application to the Challenge-Led Grants will be shared between the Academy of Medical Sciences, The British Academy, Royal Academy of Engineering and the Royal Society (the Academies) for data monitoring and scheme evaluation purposes. You will also be contacted by UK Department for Business, Energy and Industrial Strategy (BEIS) and selected third parties such as independent evaluators, consultancy groups, and career development organisations (some of whom may be based outside of the EEA) as part of their GCRF analysis and evaluation activities. If successful, the Royal Society will contact you regarding the administration of your award throughout the course of your funding and after its completion. You will also be contacted by the Academies or an agent acting on their behalf, for reporting and evaluation purposes throughout the course of your funding and after its completion.

Contact Information

Enquires about this Scheme can be made using the contact details below. Before contacting us please check whether your question is answered by these scheme notes. If not, please email: ChallengeGrants@royalsociety.org or call +44 (0) 207 451 2235.

Please quote your application reference number in all correspondence.

Appendix 1: Application Submission Process Flow Diagram

ROUND OPENS

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Applicants fill in form online via Flexi-Grant®

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Head of Department submits their support via Flexi-Grant®

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UK Host Organisation's approver submits their approval via Flexi-Grant®

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ROUND CLOSES
Final submission to the Royal Society by deadline
11 September 2018 15:00 UK time ➡ Non-submissions: Rejection

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Application is checked for eligibility ➡ Rejection

⬇

Application enters selection process ➡ Rejection

⬇

AWARDED