Researchfish submission: additional funder questions transcript

This document outlines the funder specific, and award specific questions used by UKRI in Researchfish.

Additional Funder Questions (AFQs) are additional to the 'Common Question Set' used by all funders. If you wish to obtain a copy of the Common Question Set there is an XML version of the questions available on the Researchfish website at www.researchfish.com. In order to obtain the common question set, you will need to supply the following details on the Researchfish website:-

- Name
- Email
- Organisation
- Type of Organisation (select from list)
- Country (select from list)

This information helps Interfolio understand which organisations are interested and allows them to inform people when the question set is changed.

Please note that the XML version does not include the UKRI funder or award specific questions outlined in this document.

Contents

KEY FINDINGS

All questions in this section are mandatory except for:

- Please expand your reasons if you wish.
- Is there a URL?

The guidance for what PIs should report in this section is as follows:

This section is answered separately for each grant, and outputs reported here cannot be shared across multiple awards.

In this section we want you to report on the main, high-level results from the award, particularly in relation to the award objectives.

Please note that what you enter and submit will be publicly available through UKRI Gateway to Research (GtR) https://gtr.ukri.org/

You should address three questions:

- What were the most significant achievements from the award?
- To what extent were the award objectives met? If you can, briefly explain why any key objectives were not met.
- How might the findings be taken forward and by whom?

As major investors of public funds, UKRI are accountable for large sums of public money; being able to demonstrate the extent to which expectations from awards have been met is an essential component of this accountability.

This section would not normally duplicate other entries in the system. However, you may wish to use this section to draw together and reference entries from any other sections, depending on what the key findings are.

Do not:

- Simply repeat specific outcomes/impacts already associated with the award you are reporting on through other sections of Researchfish.
- Include confidential information or personal data for which you do not have permission to share publicly.
- Describe impact-related activities you have already undertaken during this award; these should be reported in the impact narrative section.
- Use inappropriate language.

Additional guidance is available within the Researchfish system and is indicated below.

Are there any Key Findings associated with this award?

If your award has ended, you are required to select 'Yes' to this question and complete the section

Yes/No

(PIs whose grants have ended are required to respond 'Yes' to this AFQ and fill in the text field. This is also stated in the on-screen help that appears if the user clicks on the help icon that is next to the question)

If No:

By selecting 'No' and then pressing the 'SAVE' button below, please note that:

- Any previously submitted 'Key Findings' will be deleted.
- Previous entries will not be shown in the publicly accessible UKRI Gateway to Research.

(No further questions)

If Yes:

Please explain for a non-specialist audience what has been discovered or achieved as a result of the work funded through this award.

You should normally focus on no more than four achievements and provide no more than 500 words of text. To avoid unnecessary replication and wasted research effort it is important to consider including significant negative results which cannot easily be published through established publication routes. You might tell us about, for example:

- Significant new knowledge generated.
- New or improved research methods or skills developed.
- Important new research resources identified.
- Important new research questions opened up.
- Significant negative results and/or research paths closed off.
- Particularly noteworthy new research networks/collaborations/partnerships, or combinations of these.
- Increased research capability generated from training delivered in specialist skills.
- Summary information combining outcomes detailed in other sections.

Text

Were the award's original objectives met?

Yes/No/Partially/Too early to say (the award is still active)

Please select the most appropriate response from the available options. Only one option may be selected. If you select 'No' or 'Partially' you are invited to provide further information in the next two questions.

If No/Partially:

If no/partially, please choose one or more reasons (tick boxes)

- ☐ Experimental, methodological or technical issues
- ☐ Access to archives, data or participants
- ☐ Unrealistic initial objectives
- ☐ Changing landscape of research programme
- ☐ Difficulties with collaborative partners

- ☐ Staffing matters (e.g. skills shortages, recruitment delays, unexpected extended leave or departure of staff)
- ☐ Other resourcing issues (e.g. difficulty/delay in securing key equipment)
- ☐ Higher than anticipated risk levels
- ☐ Regulatory issues

Please expand on why you have not met your original objectives if you wish to.
Text

It is understood and accepted that sometimes objectives will not be met and that this can be for many reasons: we are asking for information on this because it is important for funders and researchers to understand what the barriers to success in research may be and to help us work through them. You might tell us about, for example:

- Experimental, methodological or technical issues.
- Staffing matters (skills shortages, recruitment delays, unexpected extended leave or departure of staff); please note that any information provided must not make it possible to identify individuals.
- Other resourcing issues (e.g. difficulty/delay in securing key equipment).
- Important new research questions opened up.
- Regulatory changes or other regulatory matters.
- Overly challenging initial objectives.
- Changing landscape of the research area in which the grant was awarded.
- Combinations of the above.

If Yes/Too early to say (the award is still active):
Goes directly to the question below

In what ways might the outcomes of this funding be taken forward and put to use by others?

Considering academic and non-academic routes, briefly explain how - and by whom - you envisage your research outcomes being taken forward, bearing in mind your answer to the next question on sector (we recommend no more than 200 words).
Text

To which sectors do you think the outcomes of this funding are most relevant?
Tick boxes

☐ Aerospace, Defence and Marine
☐ Chemicals
☐ Construction
☐ Digital/Communication/Information Technologies (including Software)
☐ Energy
☐ Financial Services, and Management Consultancy

☐ Government, Democracy and Justice

☐ Culture, Heritage, Museums and Collections
☐ Retail
☐ Transport

☐ Agriculture, Food and Drink
☐ Communities and Social Services/Policy
☐ Creative Economy
☐ Education
☐ Electronics
☐ Environment
☐ Healthcare
☐ Leisure Activities, including Sports, Recreation and Tourism
☐ Manufacturing, including Industrial Biotechnology
☐ Pharmaceuticals and Medical Biotechnology
☐ Security and Diplomacy
☐ Other

Please select as many sectors as you feel are appropriate in response to this question.

(no further questions)

NARRATIVE IMPACT

Please note that this section is answered separately for each award, and outputs reported here cannot be shared across multiple awards.

Please use this section to summarise, as it evolves, the overall impact of the work supported by this award. The section can be updated as impact emerges and develops, and it is accepted that impact can occur over a wide and varying timeframe. We would normally expect that an award that finished over a year ago would begin to be able to identify how non-academic audiences have been impacted by the findings. Submitted data will appear on the Gateway to Research system and may be used for evaluation purposes by UKRI.

You should not duplicate descriptions of impact added in other sections, for example in the 'Influence on Policy, Practice, Patients and the Public' section, which should be clear, specific and proven impacts. However, you may wish to draw together and reference entries in other sections in summarising the overall impact. We want to hear more broadly about how the outputs and outcomes of the award you are reporting on are beginning to impact, or have impacted, beyond academia in the public, private or third/voluntary sectors, as well as within academia.

For example, please tell us about:

- Details of emerging economic and societal impact arising from the award that you are reporting on (including how it has evolved)
- A summary of how the findings from your award are impacting the public, private or third/voluntary sectors, and elsewhere
- Challenges overcome to achieve impact
- Significant impact within academia, for example the nucleation of a new research area
- How your research has resulted in change in and beyond academia

Do not:

- Repeat specific impacts already associated with the award you are reporting on through other sections of Researchfish

Have the findings from this award contributed to any non-academic impacts?
Yes/No

We would normally expect that an award that finished over a year ago would begin to be able to identify how non-academic audiences have been impacted by the findings.

If No:

By selecting 'No' and then pressing the 'SAVE' button below, please note that:

- Any previously submitted 'Narrative Impact' will be deleted.
- Previous entries will not be shown in the publicly accessible UKRI Gateway to Research.

(no further questions)

If Yes:

How have your findings been used? Please provide a brief summary.

Please describe the wider impact of the grant that you are reporting on, bearing in mind that impacts from research take many forms and can be generated through a range of diverse pathways and timescales.

We are especially interested in economic and societal impacts (defined as 'the demonstrable contribution that excellent research makes to society and the economy'), for example if it has led to an increase in, or enhanced:

- global economic performance, and specifically the economic competitiveness of the United Kingdom,
- the effectiveness of public services and policy,
- the quality of life, health and creative output.

You may also use this section to describe significant academic impact, for example if your work has nucleated a new research area or represents a breakthrough by having solved a fundamental research challenge.

Text

Date first materialized

Please select the year when the impact(s) reported from your grant first started materialising and becoming visible. Only one date can be selected.

Given UKRI's understanding that economic and societal impact becomes manifest at different stages in the research lifecycle and beyond, it is accepted that the date selected may only be a rough estimate.

Drop down box with each year from pre-2000 to present year listed

What types of impact have arisen from the research?

This question asks you to select the types of impact that resulted from the grant that you are reporting on from the pre-populated list.

You can select as many areas as are appropriate to your grant.

Please tick all that apply.

☐ Cultural   ☐ Societal
☐ Economic   ☐ Policy & public services

In which sectors has your research been used?

This question asks you to select the sectors that have been impacted upon by the grant that you are reporting on. Please note that this may not necessarily reflect the topic or subject area of your research You can select as many sectors as are appropriate to the impact achieved from your grant.

☐ Aerospace, Defence and Marine   ☐ Agriculture, Food and Drink
☐ Chemicals   ☐ Communities and Social Services/Policy
☐ Construction   ☐ Creative Economy
☐ Digital/Communication/Information   ☐ Education
   Technologies (including Software)   ☐ Electronics
☐ Energy   ☐ Environment
☐ Financial Services, and Management   ☐ Healthcare
   Consultancy   ☐ Leisure Activities, including Sports,
                                            Recreation and Tourism
☐ Government, Democracy and Justice   ☐ Manufacturing, including Industrial
                                            Biotechnology
☐ Culture, Heritage, Museums and Collections ☐ Pharmaceuticals and Medical Biotechnology
☐ Retail   ☐ Security and Diplomacy
☐ Transport   ☐ Other

SKILLS SHORTAGE

Have you experienced any difficulty in recruiting, or retaining staff in positions demanding particular skills?

Yes/No

If No:

(No further questions)

If Yes:

Briefly provide details about the skill required and the level of position that was difficult to fill.

Text

(No further questions)

SECONDMENTS, PLACEMENTS, OR INTERNSHIPS TO OR FROM OTHER ORGANISATIONS

Please note that this section is answered separately for each award, and outputs reported here cannot be shared across multiple awards.

In this section, please record details of secondments, placements and internships that have taken place in connection with the research supported by this award.

Tell us about instances in which:

- You or anyone else delivering the research supported by the award has gone on temporary secondments, placements or internships whilst engaged in the research.
- Individuals have come to work with you, or anyone associated with the research supported by the award from other organisations as part of a temporary secondment, placement or internship.

Do not tell us about:

- Students who are not funded by the award but who are working as part of the research team.

Has your team or members of your team been involved in any secondments, placements, or internships either into your team or going elsewhere for a period of time?

If "Yes" is selected, you will be presented with a series of additional questions.
Yes/No

If No:
(No further questions)

If Yes:
"Add a secondment, placement or internship" button appears

A new window appears once the above button has been clicked, which asks the following:

Enter a label for the staff member you want to tell us about so that you can easily distinguish multiple responses.

This is for the purpose of distinguishing between multiple responses and will not be used in analysis or outputs from your organisation. It is recommended that you use the individual's initials.

Text (Max 255 characters)

Please select the organisation involved in the secondment.

This will produce a list of suggested matches to organisations. Select the correct organisation when it is presented. If the funding organisation is not present in the list, please enter the name of the funder as free text.

(Max 255 characters)

Please note that as you start inputting the name of the research organisation, institute, school, and department a drop-down box appears with a list of organisations to help you choose the correct one.

Month started.

Please select the month that this secondment, placement or internship started.

Select month from drop down menu

Year started.

Please select the year that this secondment, placement or internship started.

Select year from drop down menu

Month ended.

Please select the month that this secondment, placement or internship ended. If the secondment, placement or internship is on-going, please select "Current".

Select month from drop down menu

Year ended.

Please select the year that this secondment, placement or internship ended. If the secondment, placement or internship is on-going, please select "Current".

Select year from drop down menu

What did the secondments/placement/internship involve? Please also note any known impacts.

Please give details about the secondment, placement or internship, including its purpose and what it involved. Please stipulate if it was part of a studentship. Please give details about

outcomes from the secondment/placement/internship and any impacts, either for the individual or your institution.

Text

Please indicate whether this secondment/placement/internship was 'in to' or 'out from' your research team.

Select 'in or 'out' from drop down menu

Repeat the steps from the "Add a secondment, placement or internship" button for multiple secondments, placements or internships.

(No further questions)

ANIMAL USE

Has your research involved use of vertebrate or cephalopods?
Yes/No

If No:

We are interested in identifying new or refined methods that have the potential to contribute to the replacement, reduction, or refinement (3Rs) of the use of animals in research. Has your work led to the development of such methods that could be shared/adopted by others? Definitions of the 3Rs can be found at www.nc3rs.org.uk/the-3rs

If No:
(no further questions)

If Yes:

> **If yes, briefly describe these here and the scale of the actual and potential impact e.g. local practice, national policy etc. Please note that if appropriate these should be reported in full in the relevant section of researchfish such as influence on policy, research tools & methods etc., and need only be referred to here.**

Text

(no further questions)

If Yes:

In using vertebrate animal(s) or cephalopod(s) in your research, did the work conducted require a project licence under the Animals (Scientific Procedures) Act 1986?
Yes/No

If No:

Please give a brief description of why a project licence under the Animals (Scientific Procedures) Act 1986 was not required.
Text

If Yes:
Continue as below

Please provide further information regarding each animal used.
"Add an animal" button

A new window appears once the above button has been clicked, which asks the following:

Please select the species of animal from the list below.

If selecting an 'Other', for example, 'Other carnivore', you will be asked to specify the species.

Mouse	Primate - Squirrel Monkey
Rat	Primate - Cynomolgus Monkey (Macca Ascicularis)
Guinea Pig	Primate - Rhesus Monkey (Macaca Mulatta)
Hamsters (Syrian) (Mesocricetus Auratus)	Primate - Vervets Chlorocebus
Hamsters (Chinese) (Cricetulus Griseus)	Primate - Baboons
Gerbil	Primate - Apes
Other Rodent	Other species of Non-Human Primates
Rabbit	Other Mammal
Cat	Bird - Domestic Fowl
Dog - Beagle	Bird - Turkey
Dog - Greyhound	Bird - Quail (Coturnix Coturnix)
Dog - Other including Cross Bred	Bird - Quail (spp. Other than Coturnix)
Ferret	Bird - Other Species
Other Carnivore	Any Reptilian Species
Horse, Donkey and Cross-Bred Equids	Amphibian - Rana Temporaria
Pig	Amphibian - Rana Pipiens
Goat	Amphibian - Xenopus Laevis
Sheep	Amphibian - Xenopus Tropicalis
Cattle	Amphibian - Other Species
Deer	Fish
Camelid	Fish - Zebra Fish
Other Ungulate	Fish - Other Species
Primate - Prosimians (Prosimia)	Any Cephalopod
Primate - Marmoset and Tamarins	

Please Specify (If selected any option with "Other")
Text (Max 255 characters)

In designing your animal studies, what did you do to implement the 3Rs in this programme/project? Definitions of the 3Rs can be found at www.nc3rs.org.uk/the-3rs.

Please describe how you have reduced, refined or replaced the use of animals in this project or programme. Click on the check box next to an entry to select it. You can de-select an entry by clicking on the box a second time. If selecting 'Other', you will be asked to describe.
Tick boxes

- [ ] Replaced some animal use with alternative technique
- [ ] Reduced number of animals required (e.g. improved experimental design or statistical analysis)
- [ ] Changes resulting in downgrading of severity limits for procedures/protocols
- [ ] Avoidance of specific procedures or adverse effects (e.g. surgery, restraint, paralysis, death, infection)
- [ ] Refinement or development of experimental techniques or procedures to improve animal welfare
- [ ] Improved housing, including environmental enrichment
- [ ] Substitution by a species of lower neurophysiological sensitivity (or those not covered under ASPA e.g. larval or early embryonic forms)
- [ ] Shared use of tissues, organs or other material
- [ ] Other

Please Explain *(If selected the "Other" option)*
Text

During the course of the project, did you make any further changes to replace, reduce or refine animal use?

Please indicate if a procedure or method was changed during the project to reduce, refine or replace animal use.

If No:

(no further questions)

If Yes:
If yes, briefly describe these here and the scale of the actual and potential impact e.g. local practice, national policy etc. Please note that if appropriate these should be reported in full in the relevant

section of Researchfish such as influence on policy, research tools & methods etc., and need only be referred to here.
Text

Click "Add" and window disappears, and animal is added. Repeat this process until all animals used have been added.

We are interested in identifying new or refined methods that have the potential to contribute to the replacement, reduction or refinement (3Rs) of the use of animals in research. Has your work led to the development of such methods that could be shared/adopted by others? Definitions of the 3Rs can be found at
www.nc3rs.org.uk/the-3rs

If No:
(no further questions)

If Yes:
If yes, briefly describe these here and the scale of the actual and potential impact e.g. local practice, national policy etc. Please note that if appropriate these should be reported in full in the relevant section of Researchfish such as influence on policy, research tools & methods etc., and need only be referred to here. Text

(no further questions)

ENGAGEMENT ACTIVITIES

Did your project involve running any events?

Select Yes or No from dropdown menu

If Yes:

WHAT ARE THE KEY OUTPUTS FROM YOUR PROJECT?

Please indicate the total number of events delivered for each audience type in each calendar year of your project.

	Yes	Up to 2016	2017	2018	2019	2020	2021	2022
Public adult	☐							
Public families	☐							
Upper primary schools	☐							
Lower secondary schools	☐							
Upper secondary schools	☐							
Influencers (e.g Teachers and educators, science communicators)	☐							
Other groups of children e.g. uniform groups	☐							

WHO ARE THE KEY AUDIENCES REACHED?

Events

	Yes	Up to 2016	2017	2018	2019	2020	2021	2022
Number of schools engaged	☐							
Number of schools new to your organisation	☐							
Number of teachers reached at training events	☐							
Average dwell time in minutes at training event	☐							
Number of upper primary students reached	☐							
Average dwell time of upper primary student	☐							
Number of lower secondary students reached	☐							
Average dwell time of lower secondary students	☐							
Number of upper secondary students reached	☐							
Average dwell time of upper secondary students	☐							
Average % female students	☐							
% of the school students we surveyed who said your event / activity inspired them to study or work in STEM	☐							
% of the female school students we surveyed who said your event / activity inspired them to study or work in STEM	☐							
Number of other influencers trained or supported (not teachers)	☐							
Total public reached	☐							
% female public	☐							
Number of organisations with which you formed partnerships	☐							
% of audience rating your event 4 or more out of 5	☐							

Did your project involve producing any resources?

Select Yes or No from dropdown menu

What are the key outputs from your project?

Please indicate the total number of resources developed each calendar year of your project

	Yes	Associated URL If applicable	Up to 2016	2017	2018	2019	2020	2021	2022
Hard copy resources given to teachers / students	☐								
Hard copy resource distributed to public audiences	☐								
Software and technical products	☐								
Other digital resources	☐								
Artistic or creative product	☐								
Exhibit or demonstrator	☐								

Who are the key audiences reached?

Resources

	Yes	Up to 2016	2017	2018	2019	2020	2021	2022
Number of unique visitors to your website	☐							
Average number of website visitors per month	☐							
Average website dwell time (in minutes)	☐							
Number of downloads of online resources	☐							
Number of downloads of other digital resources	☐							
Number of subscribers to other digital resources	☐							
Number of hard copy resources given to target audience	☐							
Number of organisations with which you formed partnerships	☐							
% of audience rating your resource 4 or more out of 5	☐							

Have you reached the stage of your project that you have some key findings to submit?

Select Yes or No from dropdown menu

If Yes:

Using the public engagement evaluation framework, please state how your activity has addressed the generic learning outcomes:

Please provide evidence of how your work has inspired participants to "do" something new in relation to the top-level outcomes (250 words)

Text

How did your activity change the way people "feel" in relation to the top level outcomes (250 words)

Text

How did your activity change the way people "value" science or technology in relation to the top-level outcomes? (250 words)

Text

How did your activity change the "skills" your participants had in relation to the top level outcomes (250 words)

Text

How did your activity change your participants' "understanding" in relation to the top level outcomes (250 words)

Text

By combining the data above, please summarise the key impacts of your project. For example, describe the outcomes relative to the types and numbers of audience you interacted with; or the relative change in learning achieved considering the dwell time. (Up to 500 words)

Please give a detailed response to up to 3 of the following impact statements, which most closely match the outcomes of your project:

- Describe the outcomes relative to the types and numbers of audience you interacted with.
- Describe the relative change in learning achieved considering the dwell time
- Describe the scale of the outputs and reach considering the size of the grant and team
- Describe the successes or challenges that the processes you put in place (e.g. the collaborative partnerships, or the systems to support the staff working with you) had upon the outputs and outcomes of your project

Text

(No further questions)

Additional information regarding this question can be found here:
Recording the results of public engagement funded by STFC – UKRI

PATIENT AND PUBLIC INVOLVEMENT

Have you involved patients and/or members of the public in your research?

Tick box

- *Yes*
- *No*
- *Not applicable*
- *Unknown*

If No:

(no further questions)

If Unknown:

(no further questions)

If Not applicable:

Why was PPI not applicable in your research?

(text box)

If Yes:

Tick box (multiple choice)

How have patients and the public been actively involved in your research?

(Please indicate all that apply)

☐ Prioritising the research question(s)
☐ Design of the research
☐ Undertaking the research

☐ Writing up of the research
☐ Implementing research findings or recommendations

☐ Developing the application for funding
☐ Management of the research
☐ Analysing and interpreting the data generated by the research

☐ Dissemination of research findings
☐ Other
☐ Not applicable

What factors contributed to the success of the patient and public involvement in your research?

(Please indicate all that apply)

- ☐ Maintaining relationships and continuity over time
- ☐ Small number of people or appropriate people are difficult to engage
- ☐ Difficulty in finding appropriate ways to communicate and engage
- ☐ No challenges
- ☐ Nature of condition can affect ability to be involved
- ☐ Lack of resources to support effective involvement
- ☐ Finding the 'right' people to involve
- ☐ Concerns about how 'representative' views are
- ☐ Other

What have been the challenges of involving patients and the public in your research?

(Please indicate all that apply)

- ☐ Maintaining relationships and continuity over time
- ☐ Small number of people or appropriate people are difficult to engage
- ☐ Difficulty in finding appropriate ways to communicate and engage
- ☐ No challenges
- ☐ Nature of condition can affect ability to be involved
- ☐ Lack of resources to support effective involvement
- ☐ Finding the 'right' people to involve
- ☐ Concerns about how 'representative' views are
- ☐ Other

What difference do you think patient and public involvement in your research has made to your research?

(text box)

GCRF COLLECTIVE FUND

The guidance for what the PI should report in this section is as follows:

Please note that this section is answered separately for each award, and outputs reported here cannot be shared across multiple awards.

You should use the free text boxes below to detail your project's progress against each of the six categories. Please use these questions to inform the evidence and information you provide:

- What key milestones have you reached over the last year?
- What key metrics or evidence demonstrate your project's progress in each area (please provide these)?
- What challenges have you faced in each area, and how have you addressed these?
- How have the approaches that you've adopted in each area helped you to address the global challenges that are the focus of your work?

This section would not normally duplicate other entries in the system. However, you may wish to use this section to draw together and reference entries from any other sections.

Do:

- Build on progress indicators from previous submissions. This will enable us to identify trends and track progress across the GCRF collective fund portfolio.
- Structure your submission in a way that facilitates the identification of key information for analysis purposes.

Do not:

- Repeat specific outcome/impacts already associated with the grant you are reporting on through other sections of Researchfish.

Please report your progress against each of the categories listed below over the past year. For a more detailed definition of each category and clarification of the questions which will be used to inform UKRI analysis of the evidence you provide, please refer to the annual reporting guidance document.

Capacity strengthening in relevant DAC listed countries (max. 750 words)
Text

Capacity strengthening in the UK (max. 750 words)
Text

Equitable partnerships (max. 750 words)

Text

Addressing relevant challenges (max. 750 words)

Text

Interdisciplinarity (max. 750 words)

Text

Global networks (max. 750 words)

Text

(No further questions)