Flexibility Innovation Programme: Automatic Asset Registration Phase 1 - Feasibility Studies

Supplier information event – 13:30 21st April 2022

Sarah Butler – Energy Innovation Programme Manager

Department for Business, Energy & Industrial Strategy

Housekeeping

- This presentation will be published after the event on the Automatic Asset Registration Programme website
- If you have questions about the application process, please type these into the Q&A function and we will endeavour to answer them at the end of the session.
- Clarification questions related to the Competition Guidance Notes must be submitted to FlexibilityInnovation-aar@beis.gov.uk by April 28th. Anonymised answers will be published on May 5th .

Aims of the session

- By the end of this session, you should know:
  - **Where** to submit your Phase 1 application
  - **How** to submit your Phase 1 application
  - **When** to submit your Phase 1 application

This session will NOT be covering the eligibility, scope or assessment process for Phase 1 in detail. Applicants should refer to the Competition Guidance for details on these elements.

Clarification questions related to the Competition Guidance Notes must be submitted to FlexibilityInnovation-aar@beis.gov.uk by April 28th and questions submitted after this deadline will not receive a response.

Background to asset registration

- Achieving net zero will require the deployment of millions of low-carbon technologies. These technologies will need to be seamlessly integrated onto our electricity system. This will rely on the digitalised exchange of data to facilitate a system that can automate, plan and anticipate processes and energy flows in order to ensure grid stability.

- As outlined in the Digitalising our energy system for net zero: Strategy and Action Plan 2021, the government is developing a coordinated asset registration strategy in order to streamline existing registration processes.

- Whilst **registration with network companies is a legal requirement** for some assets, it is thought that only 40% of new energy assets are currently being registered and hence visible to the networks. Stakeholder engagement revealed several **barriers to registration:**
    - Unclear responsibilities
    - Over-complicated processes
    - No benefits/penalties to the installer
    - Data not being shared effectively

Innovation Activity

- In order to overcome the manual registration barriers, BEIS is supporting the development of an automatic, automated secure data exchange process for registering energy assets and collecting and accessing small-scale asset data, making grid connected assets more visible, helping with network planning and operability.

- Achieving this will require embedding the principles of **cyber security** and **data privacy**, as set out in *Transitioning to a net zero energy system - Smart Systems and Flexibility Plan 2021*.

Scope of Innovation Activity

- Assets in scope of this innovation activity include all **small-scale domestic and small business energy assets*** that are currently required to be registered.

Example assets include, but are not limited to:
- Solar photovoltaic (PV)
- Heat pumps
- Smart EV charge points
- Home battery storage

- For **'connect and notify' connections** (i.e. Power Generating Modules with a capacity of 16A per phase or less, connected at low voltages, and single-phase load and generation up to 60A), the solution will automatically register the asset to a Central Asset Register/Portal upon installation.

- For **'apply to connect' connections** (Power Generating Modules with a capacity of more than 16A per phase and single-phase load and generation above 60A) the solution will automatically confirm registration once the asset has been installed, once prior approval has been obtained.

**Asset in domestic and smaller don-domestic dwellings, up to 1MW, that typically require registration by an installer*

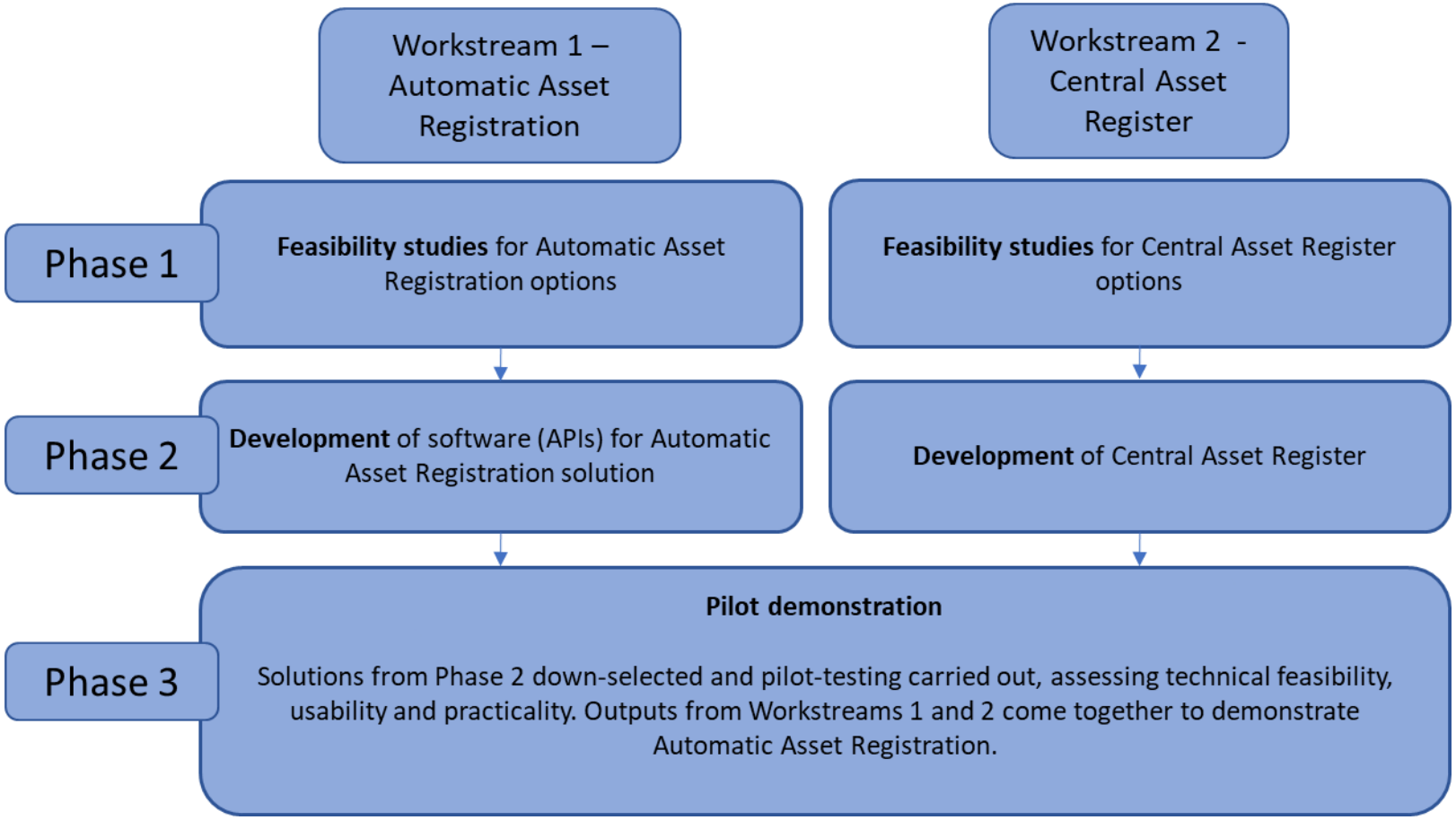
Scope of Innovation Activity

Any future solution must, as a minimum, satisfy existing registration requirements, and will therefore be required to collect ‘static’ or ‘standing’ asset data, including but not limited to:

- Asset type
- Postcode location
- Rated capacity
- Rated export/import limit
- Serial number
- MPAN

In order to appropriately future-proof the system, API links developed to exchange this ‘static’ asset data should also be capable of facilitating the exchange of ‘live’ or ‘dynamic’ asset data. For example, state of charge/discharge, voltage, current.

Structure of Innovation Activity



SBRI Contract Size / Restrictions

Phase 1 – total funding of £300,000

A maximum of **£150,000 per Project** has been allocated for the feasibility studies. We anticipate funding two (2) Projects, each of which will need to carry out feasibility studies for Workstream 1 and Workstream 2, respectively.

Phase 2 – total funding of £1,200,000

A maximum of **£1,200,000** has been allocated for the Project that was successful at Phase 1 (the Successful Project) to develop the technology Solution for Workstreams 1 and 2.

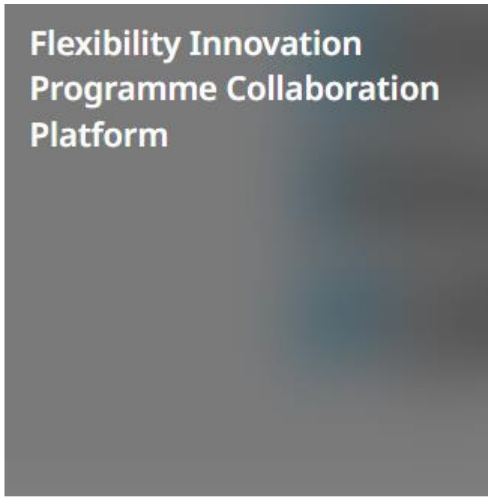
Phase 3 – total funding of £500,000

A maximum of **£500,000** has been allocated with the funding used to demonstrate an end-to-end Solution for automatic asset registration in relation to the Successful Project, with the outputs from Workstreams 1 and 2 demonstrated together.

Finding collaboration partners

Department for Business, Energy & Industrial Strategy

NET ZERO INNOVATION PORTFOLIO



Info | How it works | FAQ | Contact

BEIS Flexibility Innovation Collaboration Platform

Find your collaboration partners to support your application.

The Flexibility Innovation Programme aims looks to support innovative solutions to enable large-scale widespread electricity system flexibility.

This match-making platform brings together organisations to connect and collaborate, in order to support the development of collaborative applications under the Flexibility Innovation Programme.

This platform enables you to view other individuals interested in applying to innovation activity under the Flexibility Innovation Programme, and request virtual meetings with potential collaboration partners.

REGISTRATION

ORGANISED BY

Department for Business, Energy & Industrial Strategy

Link to the collaboration platform can be found on the [Automatic Asset Registration website]

Phase 1 Application Timeline

Stage	Activity	Date/Deadline
Phase 1		
Launch	Phase 1 Competition opens to Applicants	5th April 2022
	Briefing events for potential Applicants	**13:30 21st April 2022**
	Submit Applicant clarification questions via e-mail	**28th April 2022**
	Publication of Applicant clarification questions and answers	5th May 2022
Apply	Submit registration online	**14:00 11th May 2022**
	Submit proposal online	**14:00 20th May 2022**
Assess	Eligibility check, technical assessment and moderation	June 2022
	Notification of award	June 2022

Where to Apply: Smart Survey

- In order to access the application form and submit an application for Phase 1, applicants should follow the link in the Automatic Asset Registration Phase 1 – Feasibility Studies Guidance Notes (page 27) to register.

- The link to register can also be found on the AAR programme web-page, under ‘How to Apply’ https://www.gov.uk/government/publications/automatic-asset-registration-aar-programme

- The link to the AAR programme webpage can also be found on the Contracts Finder Notice

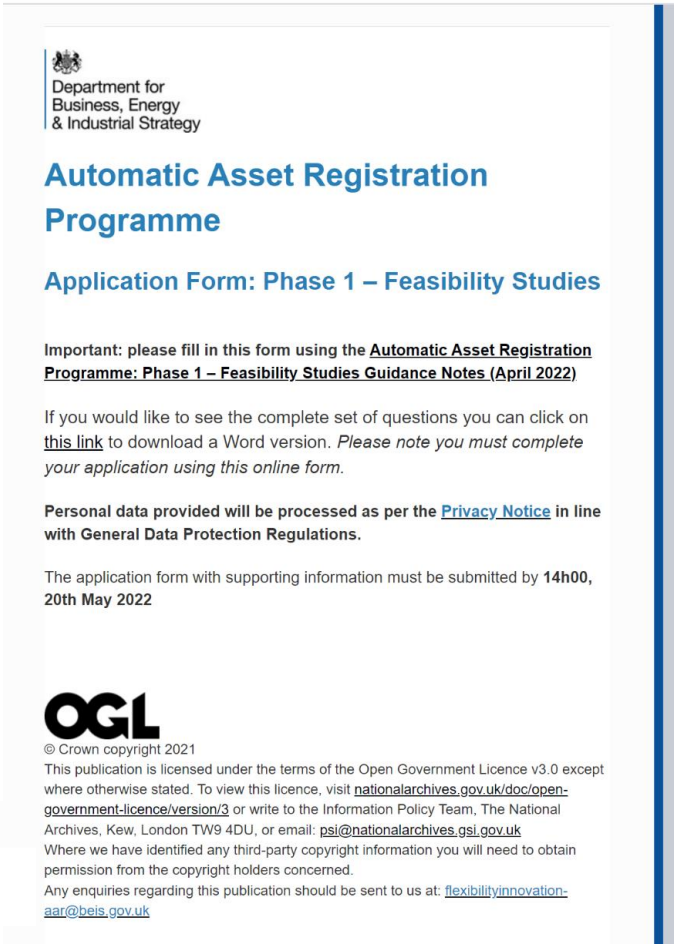
- Once you have successfully registered, you will **receive a password** needed to access to the online application form - Smart Survey.

- **Please check your junk folder**

Smart Survey

- All applications **must** be submitted via Smart Survey.
- A Word version of the application form is available to download on Smart Survey
- Word versions of the application form **will not be accepted**.

Smart Survey



Department for Business, Energy & Industrial Strategy

Automatic Asset Registration Programme

Application Form: Phase 1 – Feasibility Studies

Important: please fill in this form using the Automatic Asset Registration Programme: Phase 1 – Feasibility Studies Guidance Notes (April 2022)

If you would like to see the complete set of questions you can click on this link to download a Word version. *Please note you must complete your application using this online form.*

Personal data provided will be processed as per the Privacy Notice in line with General Data Protection Regulations.

The application form with supporting information must be submitted by **14h00, 20th May 2022**

OGL

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Any enquiries regarding this publication should be sent to us at: flexibilityinnovation-aar@beis.gov.uk

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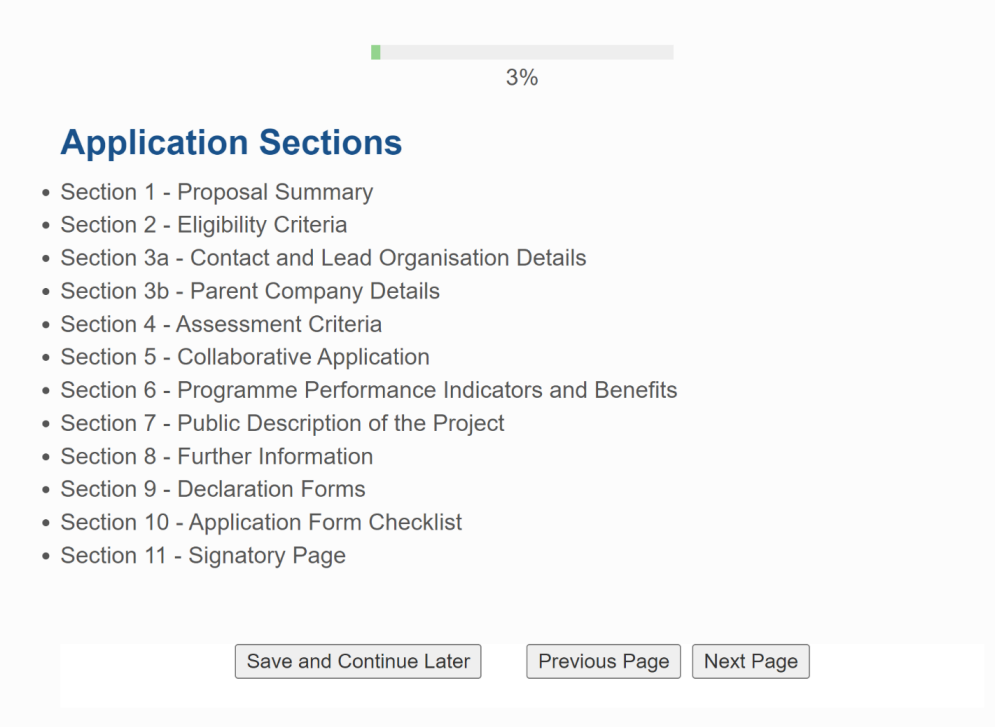
- Use the navigation buttons at the bottom of the form, rather than the browser navigation,

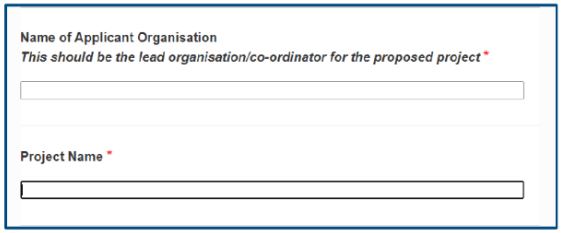
Application Sections

- The application form is broken down into sections. Please refer to the Competition Guidance notes as you complete your application

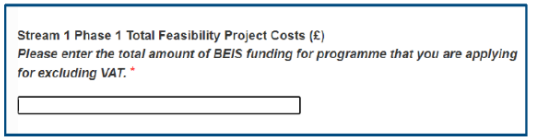
- All questions in the survey must be complete and in the **correct format** to allow you to progress with the survey.



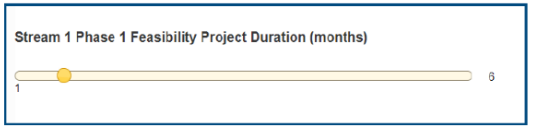
Question types



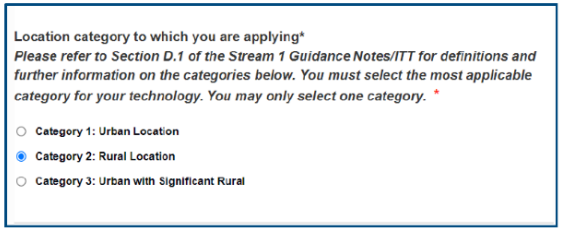
Short, free text box



Numbers only

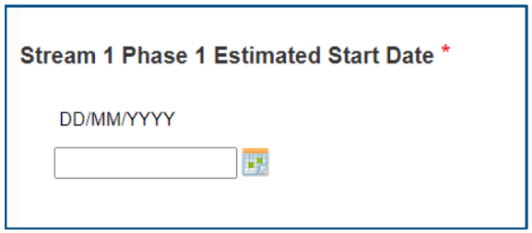


Sliding bars



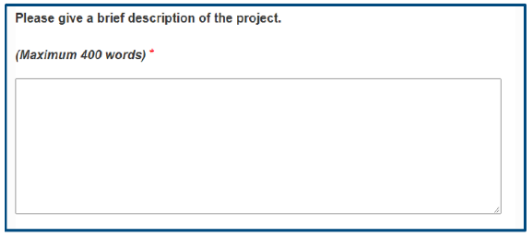
Radio buttons – one option only

Document upload



Dates

Multiple choice



Long, free text box

Eligibility Questions

- Guidance on were to find more details on the eligibility criteria is given in the questions.
- These are yes and no questions.

Section 2 - Eligibility Criteria

To be eligible for funding, proposed projects must meet all the following eligibility criteria.

Please check 'Yes' in the relevant boxes against each criterion to confirm eligibility. Please see **Section 7** of the Automatic **Asset Registration Programme: Phase 1 – Feasibility Studies Guidance Note**s for further information.

Applications which fail the Eligibility Criteria will not be assessed further, so it is essential to ensure that your project meets these criteria before you submit your application.

If you have any questions on the eligibility criteria please submit them to flexibilityinnovation-aar@beis.gov.uk

1. Project Location *

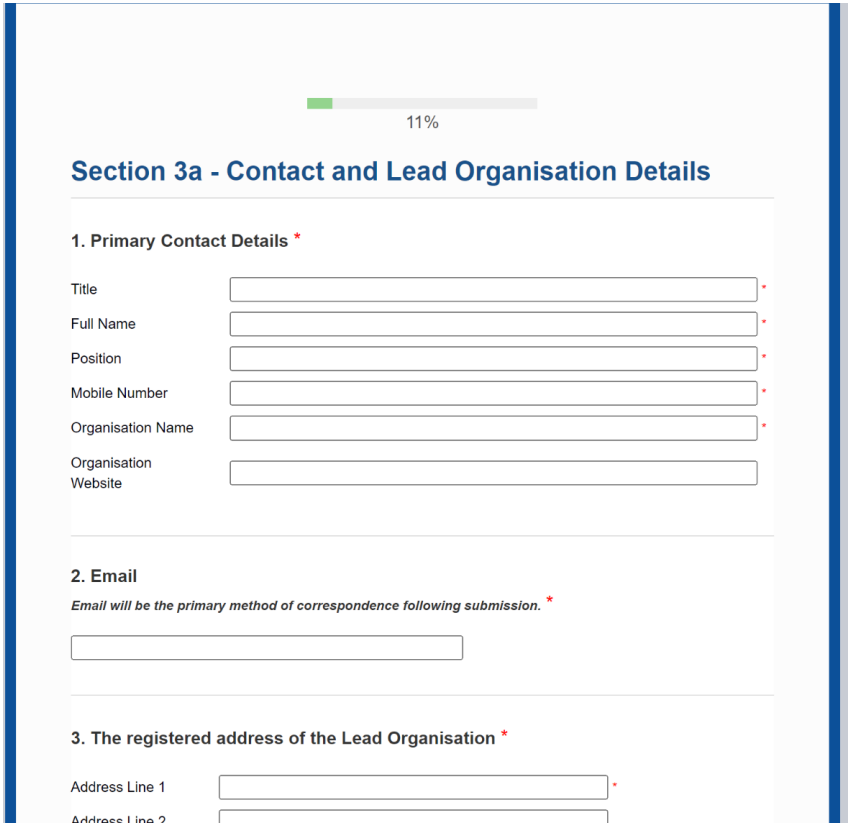
	Yes	No
Will at least 50% of the project's activities (as measured by eligible project costs) be conducted in the UK?	○	○

2. Relevance to the UK energy system *

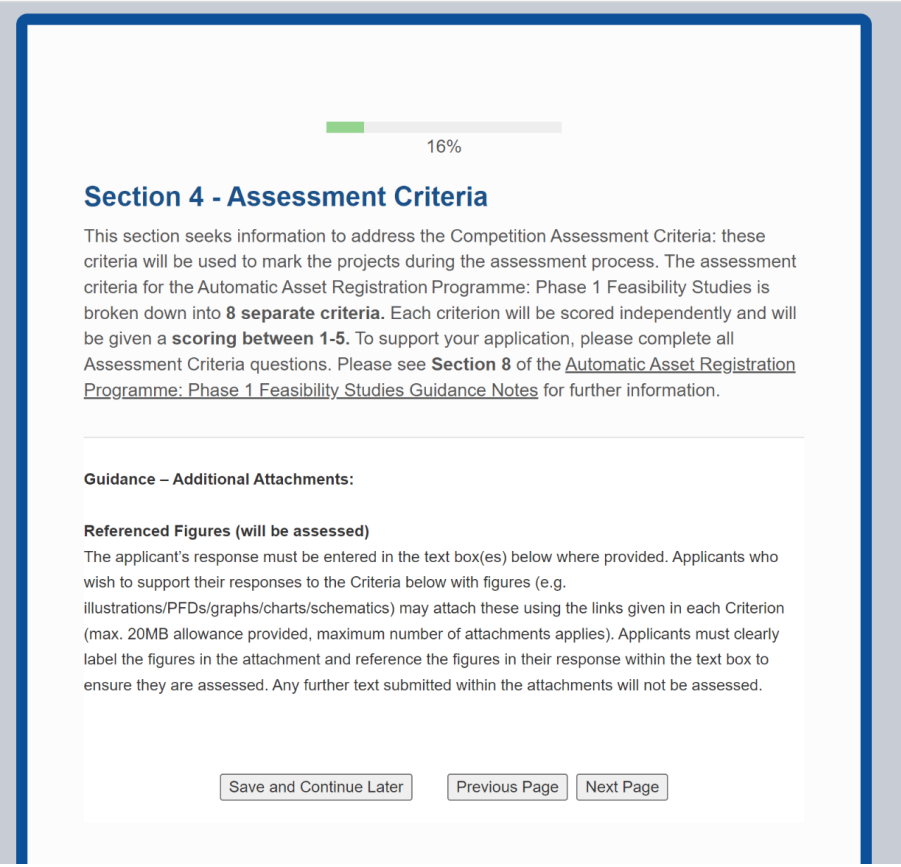
	Yes	No
Is your proposed solution relevant to the UK energy system? Please see section 7.1 of the Guidance Notes for more detail.	○	○

Lead Applicant Details

- The lead applicant will need to give it's details.
- If the lead organisation has a parent company, these details will also need to be given.



Uploading attachments

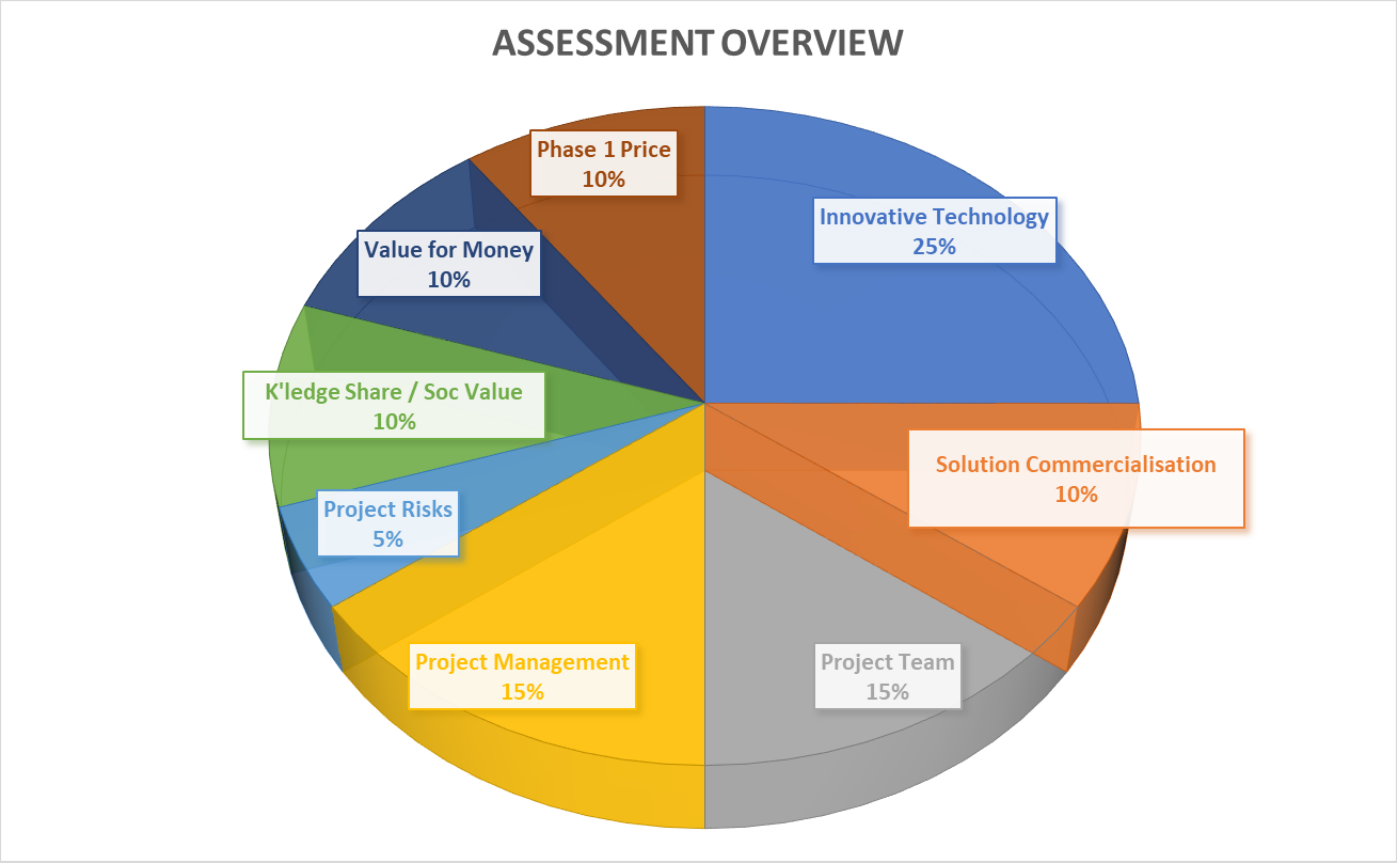


- There is an option to upload attachments for each assessment criterion.
- These attachments must be figures/illustrations/graphics/PDFs and they must be referred to in the text of the application in order to be assessed
- Any additional text submitted as part of these attachments will **not** be assessed (other than CV attachments)

Assessment Criteria

- Each assessment criteria will have its own page, with a corresponding text box to complete an answer.
- For some criteria, supporting figures can be included.
- Some criteria ***requires*** attachments, for example Risk proforma, cost breakdown form.
- Always ensure that when referencing supporting figures, these are also clearly referenced within the attachment.

Assessment Overview

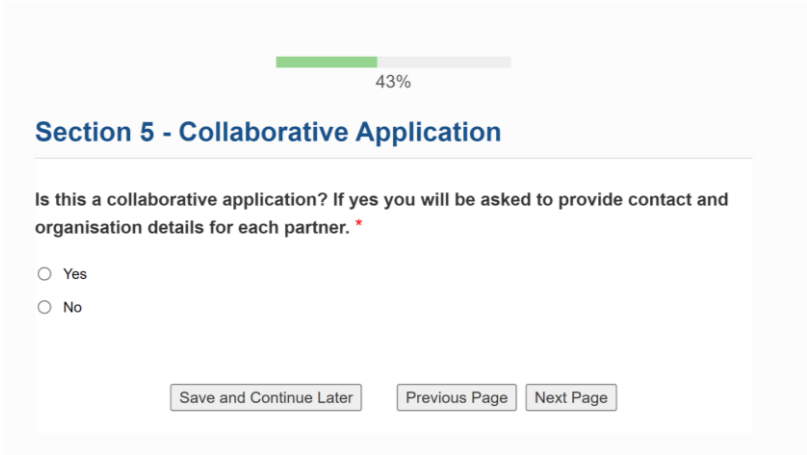


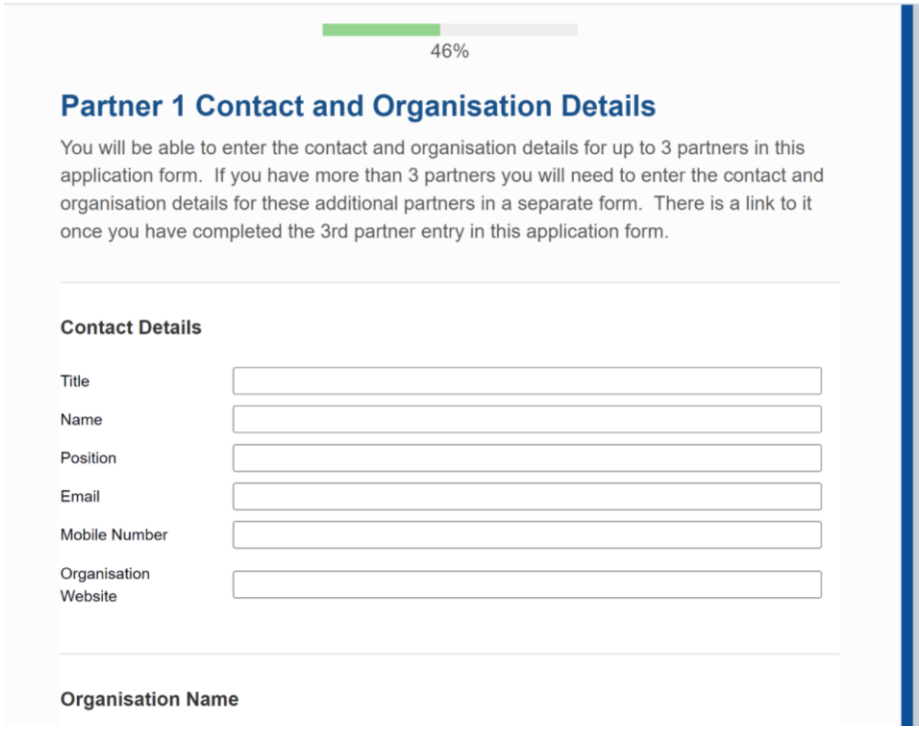
- Questions are at **Section 8** in the Competition Guidance
- Word Count limits apply
- Read Question Guidance Notes before responding

Collaborative (Consortia) Applications

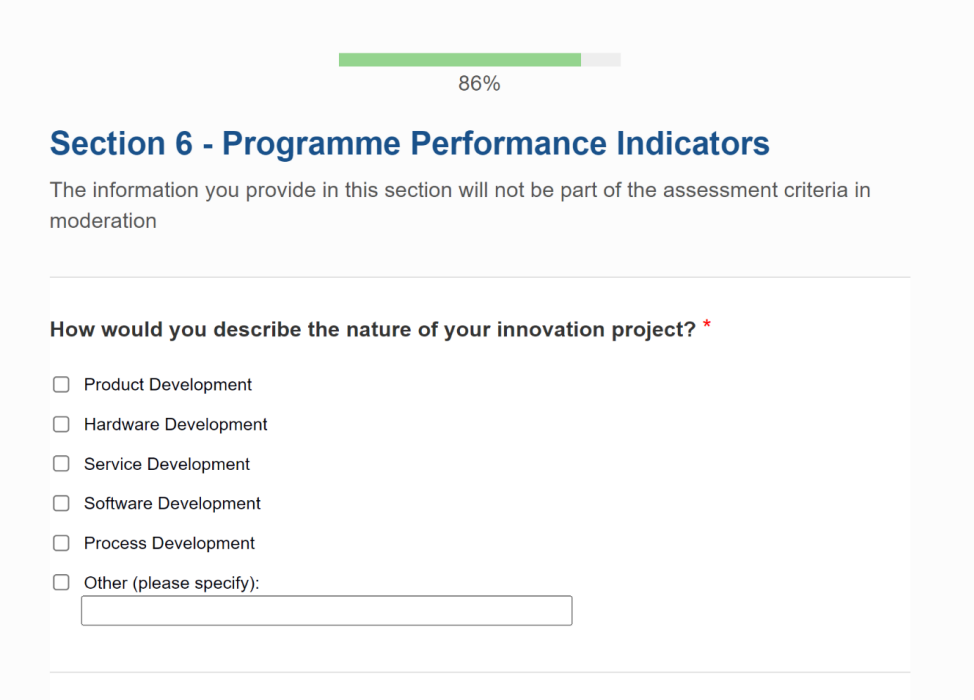
- Applications from consortia are welcome.
- **Only one submission should be submitted for each separate project application,** but all consortium partners are required to sign the completed application form for their project(s) (see Declaration 2 of the application form).
- If a consortium is not proposing to form a separate corporate entity, the project partners will need to nominate a lead organisation who we will contract with and complete a Consortium Agreement (once a contract has been awarded).
- Please note that BEIS reserves the right to require a successful consortium to form a single legal entity in accordance with Regulation 28 of the Public Contracts Regulations 2006.

Collaborative (Consortia) Applications





Performance Indicators and Benefits



86%

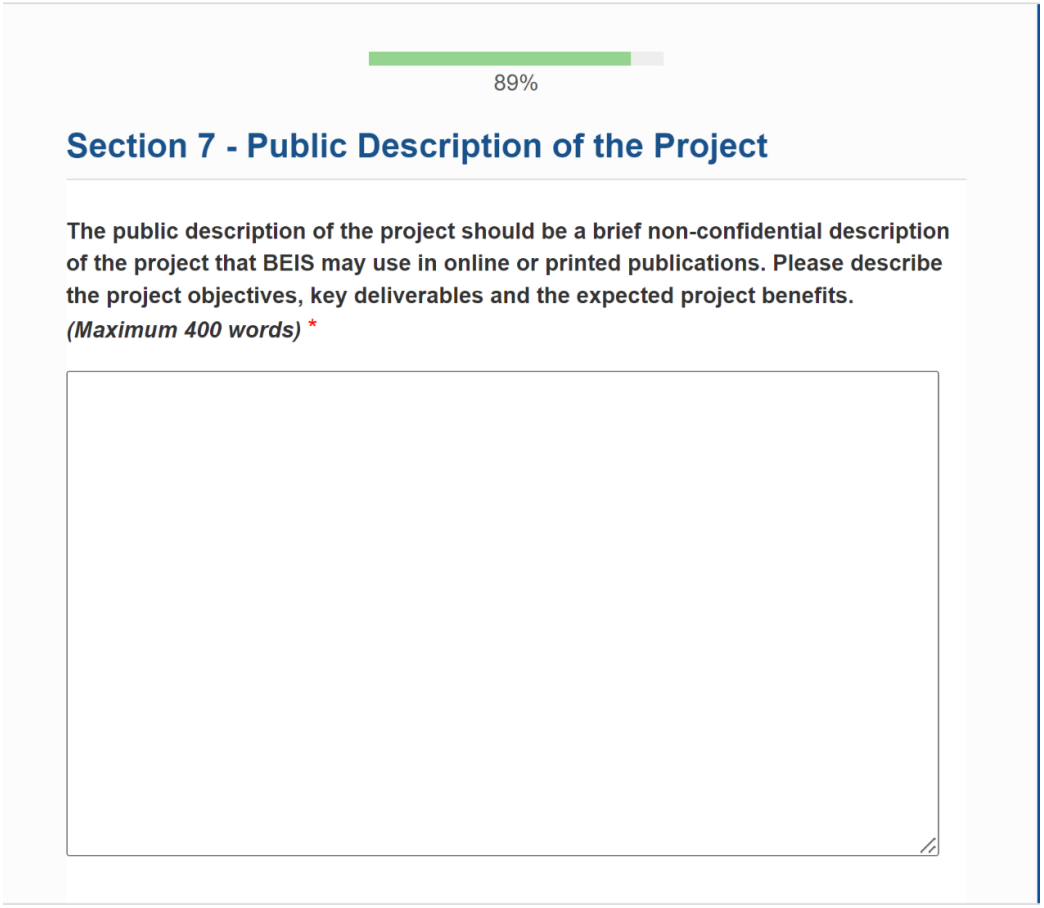
Section 6 - Programme Performance Indicators

The information you provide in this section will not be part of the assessment criteria in moderation

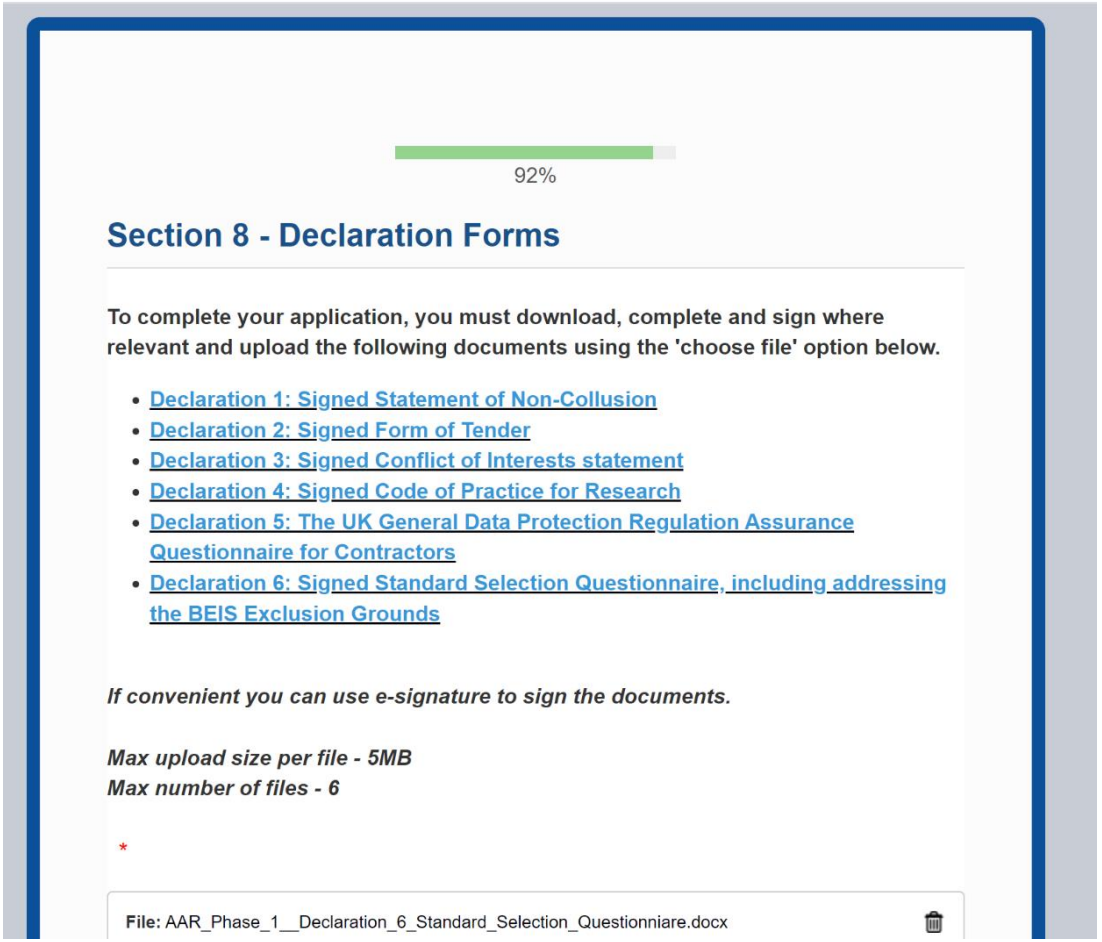
How would you describe the nature of your innovation project? *

- [ ] Product Development
- [ ] Hardware Development
- [ ] Service Development
- [ ] Software Development
- [ ] Process Development
- [ ] Other (please specify):

Public Description of the Project



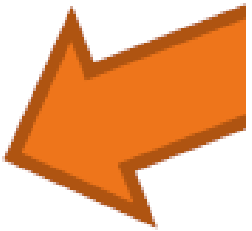
Declaration forms



Submission

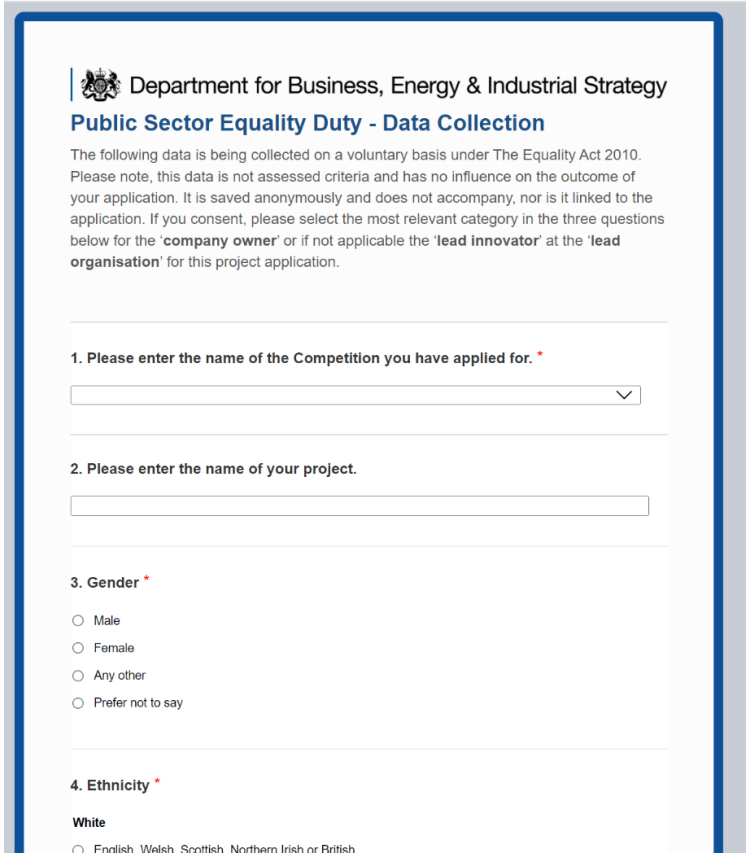
assessment.

Successful applications will be subject to further due diligence checks before final award.



Save and Continue Later | Previous Page | Submit Application

Submission & Public Sector Equality Duty



Department for Business, Energy & Industrial Strategy

Public Sector Equality Duty - Data Collection

The following data is being collected on a voluntary basis under The Equality Act 2010. Please note, this data is not assessed criteria and has no influence on the outcome of your application. It is saved anonymously and does not accompany, nor is it linked to the application. If you consent, please select the most relevant category in the three questions below for the '**company owner**' or if not applicable the '**lead innovator**' at the '**lead organisation**' for this project application.

1. Please enter the name of the Competition you have applied for. *

2. Please enter the name of your project.

3. Gender *

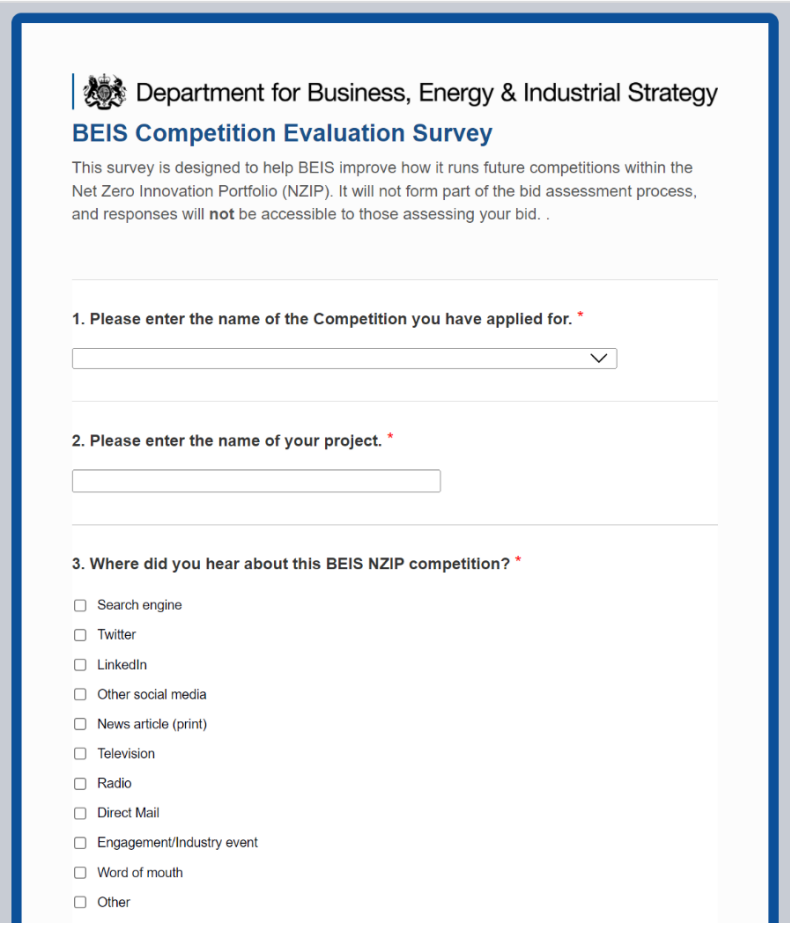
- Male
- Female
- Any other
- Prefer not to say

4. Ethnicity *

White

- English, Welsh, Scottish, Northern Irish or British

BEIS Competition Evaluation Survey



Department for Business, Energy & Industrial Strategy

BEIS Competition Evaluation Survey

This survey is designed to help BEIS improve how it runs future competitions within the Net Zero Innovation Portfolio (NZIP). It will not form part of the bid assessment process, and responses will **not** be accessible to those assessing your bid. .

1. Please enter the name of the Competition you have applied for. *

2. Please enter the name of your project. *

3. Where did you hear about this BEIS NZIP competition? *

- ☐ Search engine
- ☐ Twitter
- ☐ LinkedIn
- ☐ Other social media
- ☐ News article (print)
- ☐ Television
- ☐ Radio
- ☐ Direct Mail
- ☐ Engagement/Industry event
- ☐ Word of mouth
- ☐ Other

Application Submitted

- You will receive an email confirmation of your application submission.
- This will come from flexibilityinnovation-aar@beis.gov.uk
- **Please check your junk folder for this email**

Application Submitted

- **The deadline for submitting applications is 20th May 2022 14:00**
- No submissions, additional material or amendments to applications will be accepted after this deadline.
- Applicants are advised to familiarise themselves with the Smart Survey before this deadline.
- Applicants should not rely on receiving technical support from BEIS close to the deadline.

- **Reminder – all applications must be submitted via Smart Survey,**

Questions?

flexibilityinnovation-aar@beis.gov.uk

www.gov.uk/government/publications/automatic-asset-registration-aar-programme