

Summary of Projects Submitted to Wave 4 of the Infrastructure Fund – November 2025

This document provides short descriptions of projects submitted to Wave 4 of the Infrastructure Fund. It is intended to serve as a reminder of essential project details to aid the Infrastructure Advisory Committee with their evaluation of project proposals at the November 2025 prioritisation meeting.

The Infrastructure Fund takes a portfolio approach. Summaries of Full Projects can be found on pp. 2-7 and the resubmission on p. 8. Within these groups, projects are arranged in alphabetical order and have not been ranked.

Research and innovation infrastructure can take many forms. It can include major scientific equipment (or sets of instruments); knowledge-based resources such as collections, archives, and scientific data; digital infrastructures, such as data and computing systems, and communication networks; and any other tools that are essential to achieve excellence in research and innovation.

The Infrastructure Fund is a pan-UKRI budget supporting investment in major research and innovation infrastructure projects. It funds timebound activity to support the development of new infrastructure, major upgrades, repurposing or significant decommissioning costs. The Fund does not support ongoing operations or maintenance costs. As recommended in the Research and Development Roadmap (2019) and to support the development of a long-term infrastructure pipeline, the Fund supports both full infrastructure projects and scoping activities that support the subsequent development of full projects.

[REDACTED]

Funding

[REDACTED]

About the project

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Project Type: [REDACTED]

Resubmission: [REDACTED]

Location: [REDACTED]

[REDACTED]

[REDACTED]

Council: [REDACTED]

Funding

£15m over 2 years. [REDACTED] Project start date: 2027/28

About the project

Blue Horizon is a project which is to expand EMEC's existing tidal energy test and demonstration centre, which is globally unique and located in Orkney. [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

The Blue Horizon proposal intends to help answer questions such as how the UK can harness its tidal resource to deliver industrial growth and energy security, and what infrastructure and innovations are needed to accelerate commercial deployment of tidal energy globally.

[REDACTED]

[REDACTED]. It builds on [REDACTED] existing infrastructure, including seabed leases, grid connections, planning consents, and aligns with the new £1 billion transmission upgrade to the Orkney grid and the UK Government's Clean Energy mission.

Further Information

[REDACTED]

[REDACTED]

Project Type: Combination of new capability and changes to existing capability

Resubmission: No

Location: EMEC's site in Eday, Orkney.

Council: Innovate UK

[REDACTED]

Funding

[REDACTED]

About the project

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

Further Information

[REDACTED]
[REDACTED]

Project Type: [REDACTED]

Resubmission: [REDACTED]

Location: [REDACTED]

Council: [REDACTED]

[REDACTED]

Funding

[REDACTED]

About the project

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

Project Type: [REDACTED]

Resubmission: [REDACTED]

Location: [REDACTED]

[REDACTED]

[REDACTED]

Council: [REDACTED]

IMAS-UK

Funding

[REDACTED]

About the project

IMAS-UK is a distributed infrastructure which will create [REDACTED] Centres of Imaging Excellence (CIE). [REDACTED]
[REDACTED]
[REDACTED]

The IMAS-UK proposal, [REDACTED], intends to revolutionise the UK biological and biomedical sciences landscape by providing unprecedented insights into biological systems across all scales. The IMAS-UK proposal intends to achieve this vision by providing cutting-edge imaging hardware alongside an AI-enabled data infrastructure.

IMAS-UK will embed AI-powered approaches and use AI to shape its data collection, so align with the AI Opportunities Action Plan, alongside aligning closely with UKRI and BBSRC strategies and the Government's UK's Modern Industrial Strategy and Life Sciences Sector Plan.

IMAS-UK will coordinate facilities and capability across the following organisations: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Further Information

Yes, it is dependent on the existing infrastructure project, [REDACTED]
[REDACTED]
[REDACTED]

Project Type: Combination of new capability and changes to existing capability

Resubmission: No

Location: [REDACTED]
[REDACTED]
[REDACTED]

Council: MRC & BBSRC

PhenomUK

Funding

[REDACTED]

About the project

Building on the *UK Plant and Crop Phenotyping Infrastructure* (UKPCPI) Infrastructure Fund Preliminary Activity (Figure 1a), PhenomUK seeks to establish a nationwide distributed phenotyping research infrastructure.

PhenomUK's mission is to increase the efficiency and effectiveness of UK plant, crop and agricultural science by providing a transformative step-change in plant phenotyping. It will consolidate, expand and sustain existing facilities where necessary and make strategic investments to improve capacity, capability and access. All facilities will be underpinned by digital services, to create a cohesive state-of-the-art phenotyping infrastructure.

[REDACTED]

[REDACTED]

- | [REDACTED]
- | [REDACTED]
- | [REDACTED]
- | [REDACTED]
- | [REDACTED]
- | [REDACTED]
- | [REDACTED]

Project Type: Combination of new capability and changes to existing capability

Resubmission: No

Location: [REDACTED]

[REDACTED]

Council: BBSRC

[REDACTED]

[REDACTED]

[REDACTED]

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