

News story: Innovation loans to demonstrate infrastructure systems: apply now

Small or medium-sized enterprises (SMEs) working on late-stage infrastructure systems projects can apply for a share of £10 million in a pilot loans competition – the first opportunity to access Innovate UK's new alternative financial support scheme.

This loans competition aims to help businesses overcome barriers to scaling up innovation in infrastructure systems. It will do this by enabling them to demonstrate their ideas work as expected in real-world applications with users, and take their solutions to market.

It was announced today at [Innovate 2017](#).

Smarter, better infrastructure

The growing, ageing population, increased urbanisation and urgent need to reduce carbon emissions calls for new and novel infrastructure solutions. But developing, testing and commercialising new ideas in this sector can be risky.

You could get an innovation loan of up to £1 million for a first of a kind deployment of infrastructure technologies.

Demonstrator projects must be in one of Innovate UK's priority areas. These are:

- smart infrastructure, adding intelligence to improve physical infrastructure or the design process
- urban living, addressing the challenges people face in urban areas in order to improve user experience and lower costs. This could be:
 - 'hard' systems, such as energy, transport, waste, water and communication
 - 'soft' systems, such as security, law and justice (for example, public order and safety), health, wellbeing, social care and education
 - 'environmental' systems such as green spaces and waterways
- energy supply and systems, specifically improving the value proposition, affordability, emissions and security of energy
- connected transport, looking at solutions that move people and goods more efficiently and sustainably, and make transport more secure, user-centric and accessible

[Find out more about how we support infrastructure systems.](#)

Introducing innovation loans

This is the first time Innovate UK has run a loans competition.

Innovations need different types of funding support depending on how close they are to market. Getting the right funding at the right time can scale up businesses' productivity and growth.

We believe that a patient, flexible loan scheme will be useful for innovations that are near to market, where there is less risk involved.

A pilot loan scheme worth up to £50 million will be offered over the next 2 years. Loans will be made through Innovate UK Loans Ltd, a wholly owned subsidiary of Innovate UK.

[Learn about innovation loans.](#)

About the infrastructure systems loan competition

- the loans competition is open, and the deadline for registration is 10 January 2018
- you could get between £100,000 to £1 million to cover up to 100% of eligible project costs
- this opportunity is for UK-based SMEs
- applications can only be made by single SMEs
- loans are for late-stage experimental development only
- they are available for up to 10 years
- there is a briefing event for applicants on 16 November 2017

[Find out more and apply for an infrastructure systems innovation loan.](#)

Research and analysis: Soil screening values for assessing ecological risk

This project has produced guidelines for screening the risks to soils from chemicals released through the landspreading of waste-derived materials.

The project reviewed the available evidence on the direct terrestrial ecotoxicity and potential for secondary poisoning of 38 chemical substances and mixtures, including 23 trace elements and 15 persistent organic pollutants. Although there were insufficient data to derive an assessment criterion in all cases, soil screening values are recommended in the report for 9 trace elements and 8 organic pollutants. A spreadsheet tool allows the

screening values to be adjusted for site-specific soil properties.

The soil screening values developed through this project will help the Environment Agency to better review the technical suitability of landspreading proposals submitted by an operator for a wider range of chemicals.

Impact assessment: UK Offshore Energy Strategic Environmental Assessment 3: supporting documents

Supporting documents for UK Offshore Energy Strategic Environmental Assessment 3

Press release: Bright future for Forestry Commission in England

New changes to strengthen the role of the [Forestry Commission](#) and protect England's forests for future generations have been announced today by Environment Minister Thérèse Coffey.

From April 2019 Scottish Ministers will take on full responsibility for their national forests – meaning the Forestry Commission will remain in England, continuing to protect, improve and expand some of the country's best-known landscapes, from the Forest of Dean to Northumberland's Kielder Forest.

The Commission will continue to manage more than 250,000 hectares of England's Public Forest Estate, with a new board of Commissioners established to oversee this.

The world-renowned Forest Research will remain as an agency of the Forestry Commission, working closely with partners across the UK.

Environment Minister Thérèse Coffey said:

Our forests and woodlands are vital for providing timber, protecting wildlife, and helping us improve our environment for the next generation.

Public forests in particular are one of our greatest national assets, and the Forestry Commission's work to enhance woodlands across England remains at the heart of our environmental ambitions.

These arrangements provide certainty for the Commission and its staff, helping some of our most precious landscapes thrive into the future.

The Forestry Commission will maintain its specialist forestry expertise, continuing to offer support, advice and guidance to land owners and managers responsible for England's woodlands.

The new Board of Commissioners will bring strong experience in commercial, community and environmental backgrounds that will complement the work of the new organisation.

The changes will coincide with the Forestry Commission's Centenary year in 2019.

Sir Harry Studholme, Chair of the Forestry Commission, said:

This is an exciting moment for the Forestry Commission. After nearly a century of creating and managing Britain's forests, the transfer of formal responsibility for Scotland's forests to the Scottish Government will allow the Forestry Commission in England to increase its focus on the needs of English users.

This will strengthen the Commission in its role of safeguarding and protecting the Public Forest Estate now and for the next 100 years.

The English, Scottish and Welsh Governments will continue to work together to commission forest research, sustain high standards for forestry in the UK, and protect trees against pests and diseases.

Ends

Press release: Exercise Tempest tests the Environment Agency flood response ahead of winter

More than 300 metres of temporary flood defence barrier, drones and new visual mapping technology are being put to the test today (7th November) as the Environment Agency continues preparation for the winter ahead.

Exercise Tempest will see frontline staff test out temporary barriers in Stratford-upon-Avon –birthplace of William Shakespeare – for the first time. The exercise will test working arrangements with the local council and partners so that barriers can be put up quickly and safely when needed to help to protect properties on the waterfront from flooding.

Staff on-site and in the Environment Agency's incident room in Lichfield will also be working together to test new visual mapping technology which will provide better intelligence about flood damage and impacts on the ground. This includes drones that teams can use to survey wider flood-hit areas, sending footage via a live feed, to the Environment Agency incident room.

Up and down the country, the Environment Agency is prepared to take action this winter wherever it is needed.

Sir James Bevan, chief executive of the Environment Agency, said:

This test exercise is one of many across the country to make sure we are ready for winter. We have 6,500 trained staff ready to respond to flooding and we're making the most of new kit and technology.

Since the flooding of winter 2015/16, the Environment Agency has invested £12.5 million in new equipment including an additional 20 miles of temporary barriers, 500,000 sandbags and 250 pumps. The use of drones will also allow us to have a clearer idea of flood damage on the ground.

Floods Minister Thérèse Coffey said:

This exercise is a brilliant example of work taking place across the country to make sure we are fully prepared for any potential flooding this winter.

The use of new hi-spec equipment such as drones and live 'visual mapping' to show flood affected areas will be a huge asset to flood prevention teams.

The investment we have made in new technology, portable barriers and other equipment forms part of the £2.5 billion we are spending across the country up until 2021 to better protect over 300,000 properties.

Temporary barriers are just one of the ways the Environment Agency aims to better protect people and properties. But it's important to remember people can never be fully protected against flooding, which is why people are being urged to [go online](#) and check their flood risk by entering their postcode, and find out what they can do to protect themselves and their property when flooding hits.

More than 1.2 million people are signed up to the Environment Agency's free flood warning service, which sends a message directly by voice message, text or email when a flood warning is issued.

From 2015 to 2021, Government is investing £2.5 billion in flood and coastal erosion risk management projects which will reduce the risk of flooding from rivers, the sea, groundwater and surface water for at least 300,000 homes.