

Public funding for energy

Jenni McDonnell, Thermal energy systems

KTN



BEIS Industrial Strategy Challenge Fund £4.7bn

ISCF & The Grand Challenges

The Industrial Strategy Challenge Fund (ISCF) aims to bring together the UK's world leading research with business to meet the major industrial and societal challenges of our time.



AI and Data
Economy



Healthy
Ageing



Clean
Growth



Future of
Mobility

BEIS Industrial Strategy Challenge Fund



Wave 1	Wave 2
Healthcare & medicine	Transforming Construction
Robotics & AI	Data to early Diagnosis & Precision Medicine
Driverless Vehicles	Transforming Food Production
Manufacturing & Materials of the Future	Next Generation Services
Satellites & Space technology	Prospering from the Energy Revolution
Clean & Flexible Energy	Healthy Ageing
	Audience of the Future
	Quantum Technology

ISCF Prospering from the Energy Revolution

Committing >£100m in public funding

Future energy model proving



Innovation Accelerator



Research, Expertise, Capability, Coordination



ISCF Detailed Designs for smart local energy systems

£30m



The Detailed Designs for smart, local energy systems competition will fund world-leading smart energy systems designs which focus on a specific UK location. These designs must encompass new business models and market structures that intelligently link supply, distribution, storage and demand patterns across power, heating and transport.

Competition Open: **7th May 2019**

Competition Closes: **7th August 2019**

Up to £3m project costs (£5m for exceptional project ideas)

Project duration: 2 years

<https://apply-for-innovation-funding.service.gov.uk/competition/350/overview>

ISCF Innovation Accelerator £3m



The Innovation Accelerator will fund the development of components of an energy system. The scope of the competition and what will be eligible is still being developed.

It will fund feasibility studies and industrial research innovation. Projects must be business led and collaborative.

Competition Opens: **July 2019 approx.**

Up to £500,000 project costs

Project duration: 1 – 2 years

DRAFT – details may change

UK Research
and Innovation

ISCF Wave 3 Announced Challenges

Ageing Society

- Accelerated Detection of Disease

Clean Growth

- Industrial Decarbonisation Challenge
 - *End of process, clusters*
- Transforming Foundation Industries
 - *Materials and innovations in the process, heavy industry*
- Smart Sustainable Plastic Packaging

AI and Data Economy

- Manufacturing Made Smarter
- Commercialising Quantum Technologies

Future of Mobility

- Future Flight Challenge
- Driving the Electric Revolution

BEIS Industrial Energy Transformation Fund £315m



The Industrial Energy Transformation Fund will support businesses with high energy use to:

- cut their bills and emissions through increased energy efficiency
- transition to a low carbon future through the use of lower carbon energy and processes

BEIS are compiling responses from the recent online consultation and plan to host events in the autumn to share the proposed funding programme detail.

It will complement the ISCF Wave 3 Challenges and BEIS's Industrial Cluster Mission

DRAFT – details may change

UKRI Strength in Places Wave 2



The Strength in Places Fund will;

- support innovation-led regional growth by identifying and supporting areas of R&D strengths that are driving clusters of businesses to innovate, or to adopt new technologies and become nationally competitive.
- enhance local collaborations involving research and innovation. Bringing together universities, research institutes, Catapults and other R&D facilities with businesses at the forefront of delivering economic growth through innovation within the identified economic geography.

<https://www.ukri.org/funding/funding-opportunities/strength-in-places-fund/>

UKRI Strength in Places



Applications are open for projects to deliver activities which are likely to bring significant, relative economic impact and regional growth.

Two stage process;

- up to £50,000 for early-stage funding (24 weeks) to develop ideas
- followed by £10 – 50m for full stage bids to implement those ideas in your region (3-5years).

Competition open: **Now**

Competition closes **9th October 2019**

Projects must be collaborative (academia and businesses) with partners from the same geographical area. Projects bids are expected to be developed after consultation with local people.

UKRI Smart Grant £25m



The Smart Grant programme will fund the development of any technology or innovation from any economic sector in the UK. Applicants must be able to show how their project will develop the best game-changing or disruptive ideas with a view to commercialisation leading to business growth. There are three options to apply into this competition; early stage for feasibility studies, mid-stage for industrial research and late stage for experimental development.

Competition opens: 26th April 2019

Competition closes: 24th July 2019

<https://apply-for-innovation-funding.service.gov.uk/competition/346/overview>

UKRI and DFID Energy Catalyst £22m



The Energy Catalyst Round 7 will fund the development of energy technologies which help to solve the energy trilemma; reduce energy cost, reduce energy related emissions, improve security of energy supply. Technologies must help countries in Sub-Saharan Africa and South Asia to access secure, low-cost and low-carbon energy.

There are three options to apply into this competition; early stage for feasibility studies, mid-stage for industrial research and late stage for experimental development. **To be eligible for funding for mid and late stage, at least some of the research and development, testing or demonstration activities must be carried out in Sub-Saharan Africa or South Asia** as well as having a partner with a legal entity in Sub Saharan Africa or South Asia.

Competition opens: 31st May 2019

Competition closes: 18th September 2019

UKRI and DFID Energy Catalyst £22m



UK briefing events – Birmingham 20th June

<https://ktn-uk.co.uk/news/apply-for-funding-for-clean-affordable-and-secure-energy-in-sub-saharan-africa-and-south-asia>

Overseas missions

Myanmar (Burma) - Saturday 6 - Friday 12 July 2019 (Application deadline 31st May 2019)

[More information](#) [Application form](#) Please return applications to GCRFBurma@londonchamber.co.uk

Ethiopia - Sunday 14 - Friday 19 July 2019 (Application deadline 7th June 2019)

[More information](#) [Application form](#) Please return applications to GCRFEthiopia@londonchamber.co.uk

Kenya - Sunday 21 - Friday 26 July 2019 (Application deadline 14th June 2019)

[More information](#) [Application form](#) Please return applications to GCRFKenya@londonchamber.co.uk

Innovation Exchange



Innovate UK
Knowledge Transfer Network

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Are you looking for new business opportunities for your technology?

Do you have the radical technology needed by global players in rapidly growing sectors?

Find out what large innovation challenges these key players are facing and put forward disruptive solutions that your new and cutting edge technologies could deliver.

KTN-iX provides you with the opportunity to become directly linked to, or collaborate with, key industry stakeholders who are actively seeking the most innovative solutions to help them achieve their full potential.



<https://www.ktninnovationexchange.co.uk>

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