



UK Research
and Innovation

Welcome



Engineering and
Physical Sciences
Research Council

EPSRC Artificial Intelligence Townhall Event

2nd December 2022



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Welcome



UK Research
and Innovation



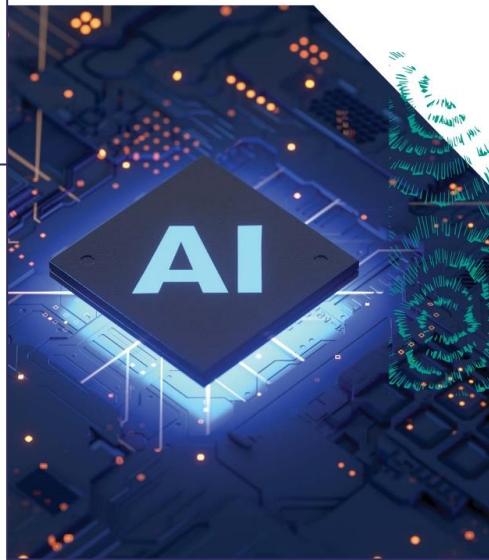
National AI Strategy



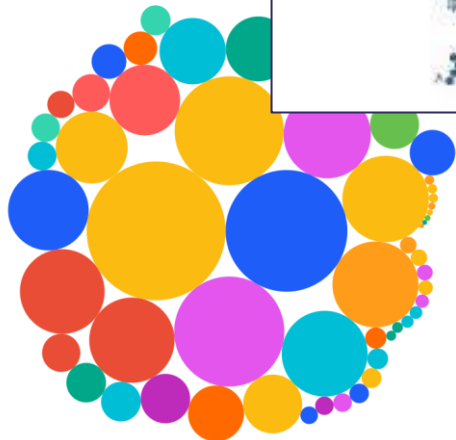
UK Research
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Transforming our world with AI

UKRI's role in embracing the opportunity



Distinct grants 279
Grant value £185.2M



Agenda

1 Arrive and Register 9:30 – 10:00

2 Webinar: session 1 10:00 – 10:45

EPSRC and UKRI's vision and strategy

Developing the AI ecosystem, brief introduction of investments

3 Break 10:45 – 11:00

Collation of questions

4 Webinar: session 2 11:00 – 12:15

Details of the investments, Q&A session

5 End of webinar 12:15

Lunch for in person delegates 12:15 – 12:45

6 Networking 12:45 – 14:00

A mixture of facilitated and free flow networking opportunities

7 Close 14:00



EPSRC – Powering UK science and prosperity

Our Vision

To make the UK recognised as the place where the most creative researchers can deliver world-leading engineering and physical sciences research.

Mission Statement

EPSRC invests in world-leading research and skills to advance knowledge and deliver a sustainable, resilient and prosperous UK.

Our diverse portfolio ranges from digital technologies to clean energy, manufacturing to mathematics, advanced materials to chemistry.

We support new ideas and transformative technologies which are the foundations of innovations that improve our economy, environment and society.

In partnership and co-investing with industry, we work to deliver both national and global priorities



Discovery-Led Research

- The Physical and Mathematical Sciences Powerhouse
- Frontiers in Engineering and Technology
- Digital Futures



- Engineering Net Zero
- AI, Digitalisation and Data
- Transforming Health and Healthcare
- Quantum Technologies

Mission-Inspired Research

AI, Digitalisation and Data: Driving Value and Security

We will generate scientific and technical advances to realise the benefits of AI and digital technologies, creating opportunities and improving outcomes for the UK economy and society. Through this priority, we will deliver platform technologies that underpin a range of potential applications, as well as research and innovation across UKRI and its strategic themes. We will encourage adventure, pushing boundaries to realise the transformational impact of digital technologies across industry and society. A key outcome is enhancing national security to address the government's Integrated Review and the UKRI strategic theme Building a Secure and Resilient World. We will:



- **Establish up to eight hubs (£80 million) across foundational AI, AI for Real Data and a number of application areas.**
- Bring academics and users together to solve challenges in AI, co-creating research, increasing translation into practice, and building flexible career pathways. We will work across UKRI to supercharge the UK's AI science base, with plans including:
 - **doubling the number of Turing AI World Leading Fellows.**
 - **refreshing the portfolio of AI Centres for Doctoral Training, in line with the government's announced intention to fund an additional £117m.**

- UK's track record in AI and robotics stretches over decades
- Recent successes come as a result of investment in 2017 Industrial Strategy
- Strong and growing focus on data and AI and digital technologies across government



Department for
Business, Energy
& Industrial Strategy

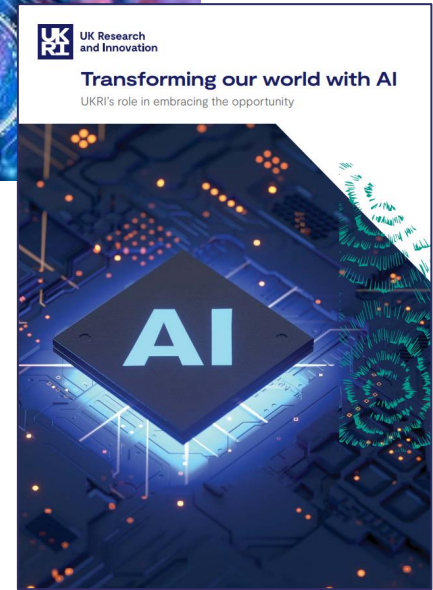


Tabitha Goldstaub
Co-founder of Cognitork
AI Council Chair and
AI Business Champion

"The AI Council is the perfect way for the experts in the AI community to engage with and support Government to ensure the UK is world leading in this field. Now is your time to join the mission, please go to gov.uk to apply to one of the working groups - **Data, Skills or Narratives.**"

UK AI COUNCIL

The AI Council provides independent, expert advice to the UK Government. The Office for AI is part BBSI (ODS) and is subordinate to the AI Council.



Office for
Artificial
Intelligence





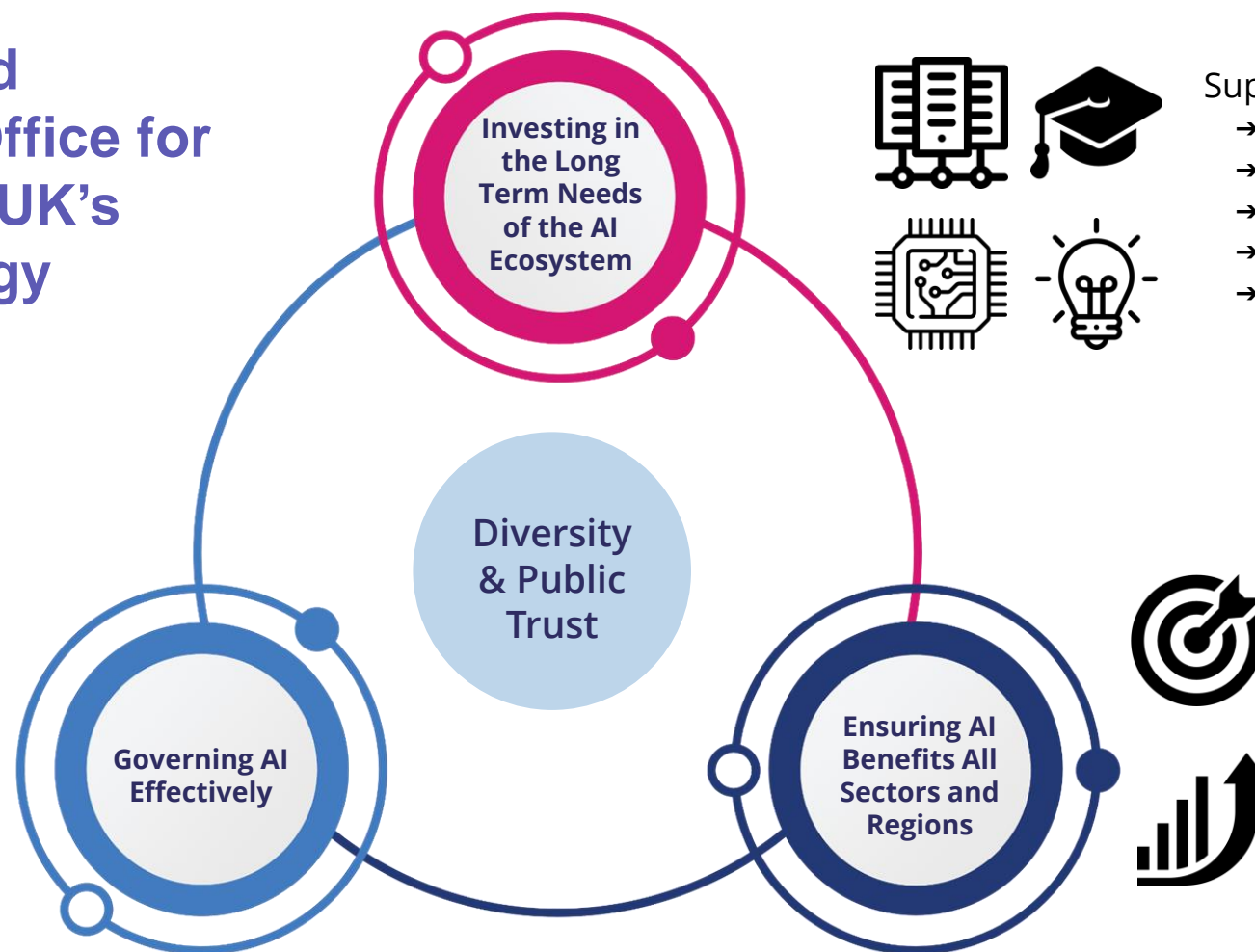
Strategic advantage through the National AI Strategy

UKRI have worked closely with the Office for AI to develop the UK's National AI strategy

Working with our international partners to embed AI governance values shared by the UK



A world-leading domestic regulatory model that balances innovation and risk



Supporting proven growth levers:

- Skills and Talent
- R&D
- Data
- Compute
- Finance and VC

Making AI accessible to industries and businesses across the whole country

Using AI for the public benefit in service of bold missions

Our vision for AI

Our vision is for advances in UK Artificial Intelligence to benefit society, provide skilled employment, and deliver significant economic growth. The UK currently has an opportunity to position itself as a leader in AI research and innovation internationally. UKRI has a key role to play in realising this opportunity working in partnership across the ecosystem.



Our vision is founded on:

- Building ambitious new UK AI **capability**
- Sustainably growing UK AI research and innovation **capacity**.
- Enabling adventure and **creativity** in AI research and innovation
- Building high **connectivity** in the landscape

UKRI's Approach to AI

AI is a key **strategic priority technology for the UK**, it shows huge potential to transform society, the economy, and help us tackle environmental challenges



Through the **UKRI AI Review** we have sought to understand the complex UK AI R&I landscape, and to set out a clear vision and ambition for the role of the research and innovation community and our plans to support AI research



The **UKRI Statement of Opportunities on AI** in conjunction with the **National AI strategy** sets our vision and aspirations to support a world leading, highly interconnected & interdisciplinary UK research & innovation ecosystem



Now we will build on our existing investments, working with stakeholders to **deliver Critical mass investments to connect the ecosystem** for supporting AI research and innovation, and build towards a unified UKRI AI Programme

Our strategy

Innovation, Adoption & Diffusion

Supporting the development of the UK's AI Sector and the Adoption of AI Across Sectors.

Delivering immediate and near-term impact in AI industry and broader sector adoption of AI via innovation programmes

Challenge/Mission AI

Bringing the potential of AI to bear on societal, economic, and environmental challenges, with a particular focus on key pressing challenges where we have existing strength (health), where there are pressing needs (net zero), or where basic capability development is critical to sovereign capability (AI for Security and Defence and Government), and opportunities which only UKRI will deliver (AI for science).

New AI Capabilities

Building new capabilities and next generation AI technologies the knowledge, tools and techniques that solve the future challenges in AI that will keep the UK ahead of the game intellectually and will attract industry to and keep it in the UK.

Developing AI that is sustainable, interacts differently with humans, and can work with challenging (small, sparse, distributed) data sets

Supporting the environment for AI

Supporting collaborative ecosystems spanning basic and mission driven AI, skills, and innovation

Building pools of skilled people at all levels to fuel UK academia and industry

Seeking to prevent access to skills, data, and infrastructure becoming barriers to AI research and innovation

Responsible Trustworthy AI

Building the new technical and sociotechnical capabilities needed for responsible trustworthy AI

Integrating understanding of the societal impacts and implications of technology into its development

Leading the way in research informed regulation and standards

Connectivity across the AI ecosystem

Enabling convening and connectivity across the UK AI research and innovation landscape

Building on the leadership role of the Alan Turing Institute as the National Centre for AI and Data Science

Building an ecosystem

- For the UK to remain at the forefront of AI research and deliver on it's promise for society, the whole ecosystem needs to work to connect AI researchers, innovators and practitioners.
- We will build connections between existing investments and fund new centres of excellence and hubs to create cross disciplinary and cross sector ecosystem, connecting researchers, innovators, and practitioners of AI. **We must aim to solve problems once.**
- We will invest in critical mass investments (hubs) across the landscape in priority areas. We will work with the Alan Turing Institute to drive facilitation of the ecosystem in partnership with other actors. We will invest in business facing investment in priority sectors and unleashing regional strengths.



EPSRC Hubs

(c. £80M)



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Multidisciplinary teams to address real world use cases providing flexible funding to world leading groups including academics, industry and other stakeholders. Hubs and calls will all emphasize their connections and contribution to the wider AI Ecosystem and the need for the research and its outcomes to be responsible and ethical.

- **Mathematical and Computational Foundations of AI**
- **AI for Real data**
- **AI for Science and Engineering Research**



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**The
Alan Turing
Institute**

Enabling a Responsible AI Ecosystem (£8.5M)

AHRC Programme in AI
Ethics and regulation
delivered in partnership with
the Ada Lovelace institute.



Arts and
Humanities
Research Council



Innovate
UK

Stimulate adoption and diffusion of AI in sectors of the UK economy that currently demonstrate low AI maturity but have high potential for growth.

AI Innovation Programme

Hypothecated funds (stbc)

- AI research for specific challenges
- Skills investment

Skills and Training

This encompasses two strands of activity to develop individuals to Doctoral level (CDTs) and attract and retain world leading researchers and their teams to the UK. Funding for these activities has been awarded directly by HM Treasury

UKRI AI CDTs (STBC)

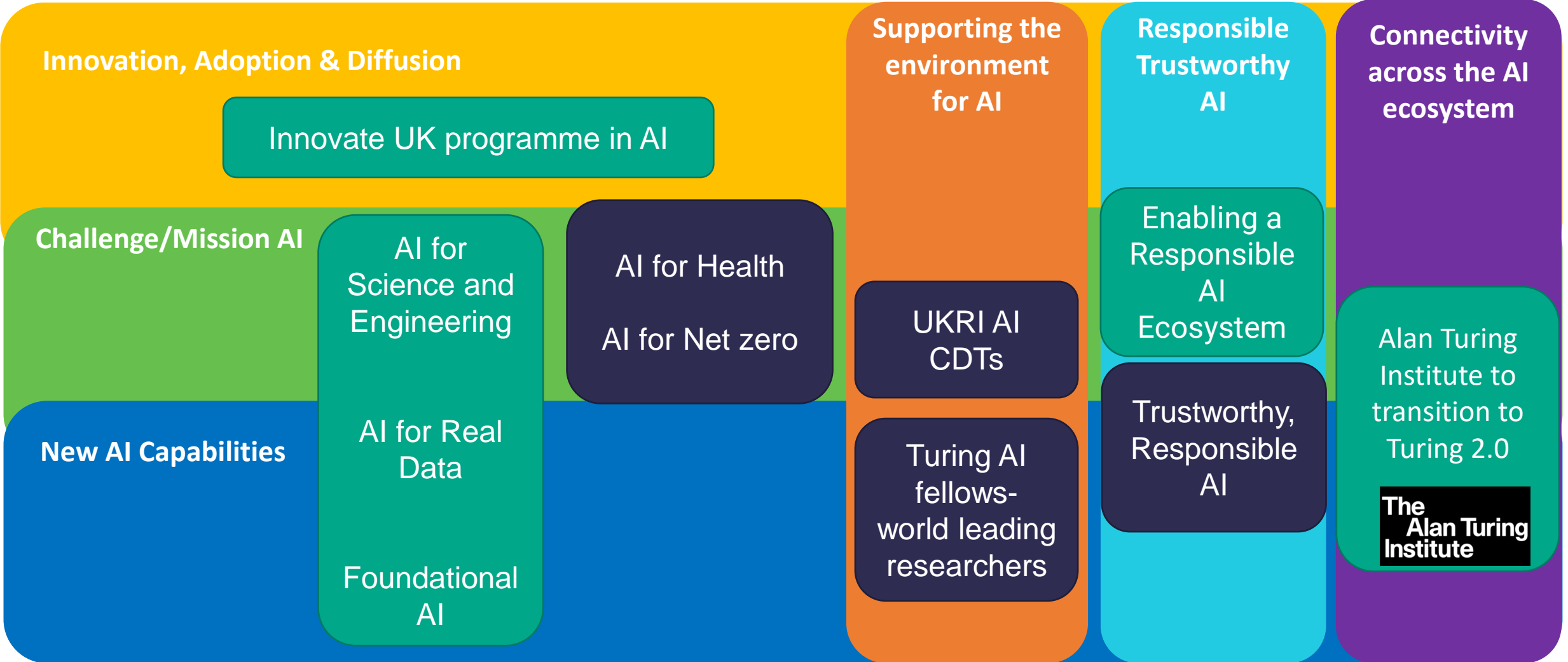
£117M to extend to current programme through a refresh of the portfolio (subject to business case)

Likely cover the applications of AI in co-creation with other disciplines around areas of priority as identified in the UKRI statement of opportunities

Turing AI Fellows World Leading Researchers

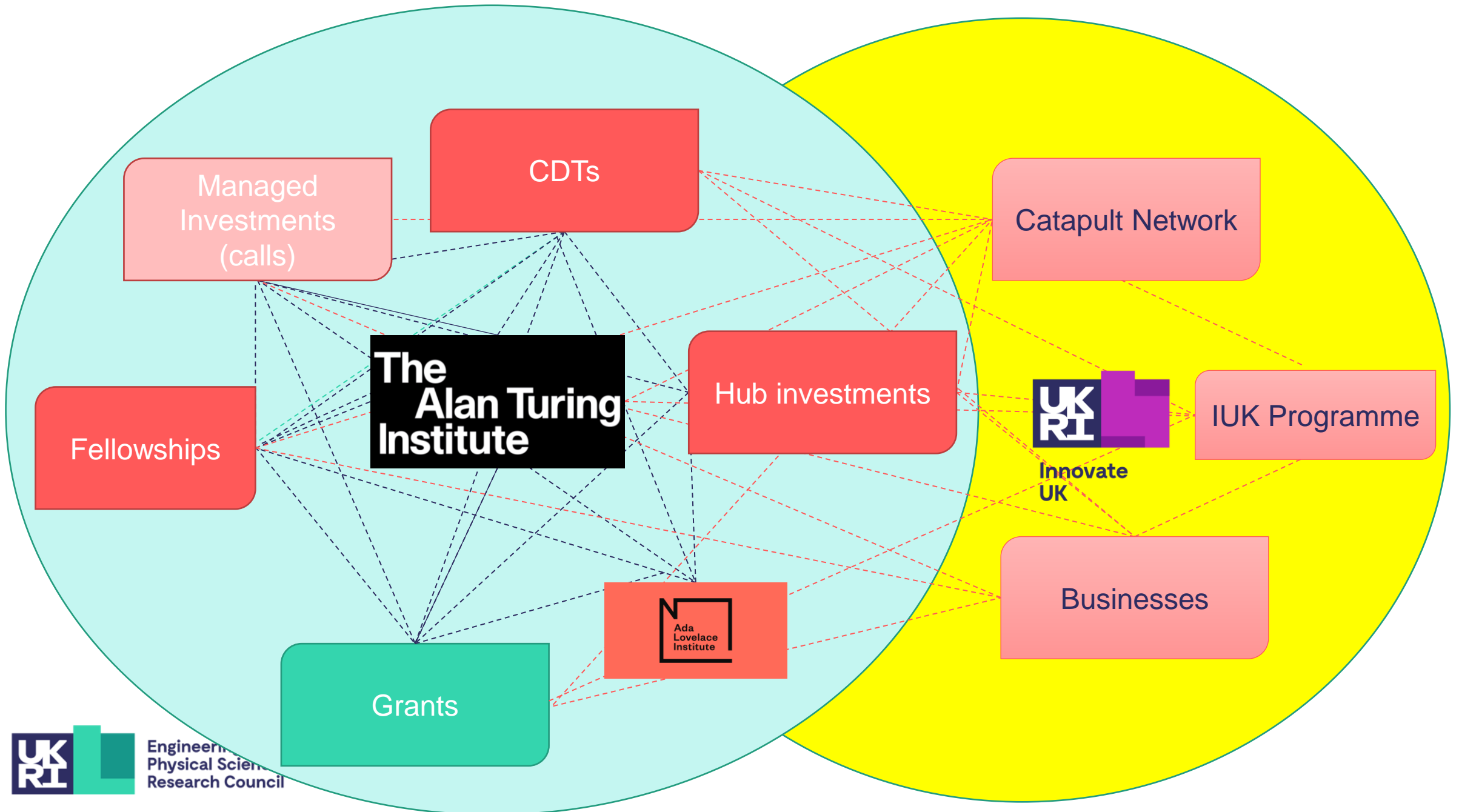
£20M has been allocated by government for a further round of Turing AI World Leading Fellowships. Substantial awards will be made to a small number of fellows to recruit, retain, and develop world-leading academic talent in AI.

Investment model



Which opportunity is right for me?





Hub Principles and Expectations

A typical hub will comprise of (but is not limited to):

- **multi institutional** virtual or physical centre based around a lead Research Organisation
- **academic hub director**
- leadership team made up of **individuals of varying career** stages representing the **different disciplines** involved in the hub
- **small coordinating management team**
- **named lead** from one of the host institutions responsible for **knowledge transfer and external communications**
- PDRAs distributed across the project
- **advisory and governance structures**, including an independent advisory board as minimum

Hub Principles and Expectations

The hubs will be expected to create new connections in the ecosystem in their lifetime and bring in new partners not involved in the hub at the application stage.

This will include:

- involvement with **wider AI ecosystem discussions**
- enabling **cross disciplinary** approach
- facilitation of **engagement** with other research

As part of the management process, **hubs will set appropriate objectives and KPIs** focussed on key outputs and outcomes within 6 months of the hub starting.

Hub Principles and Expectations

Applicants are expected to have a **clear plan for supporting diversity**, in a broad sense.

Proposals should evidence a strong commitment to supporting the **development of researchers across the hub and its activities**. This includes activities focussed on **early career researchers** and wider capacity building for **stakeholders**.

Hubs are expected to demonstrate a **commitment to making data, code and implementation as open as possible**.

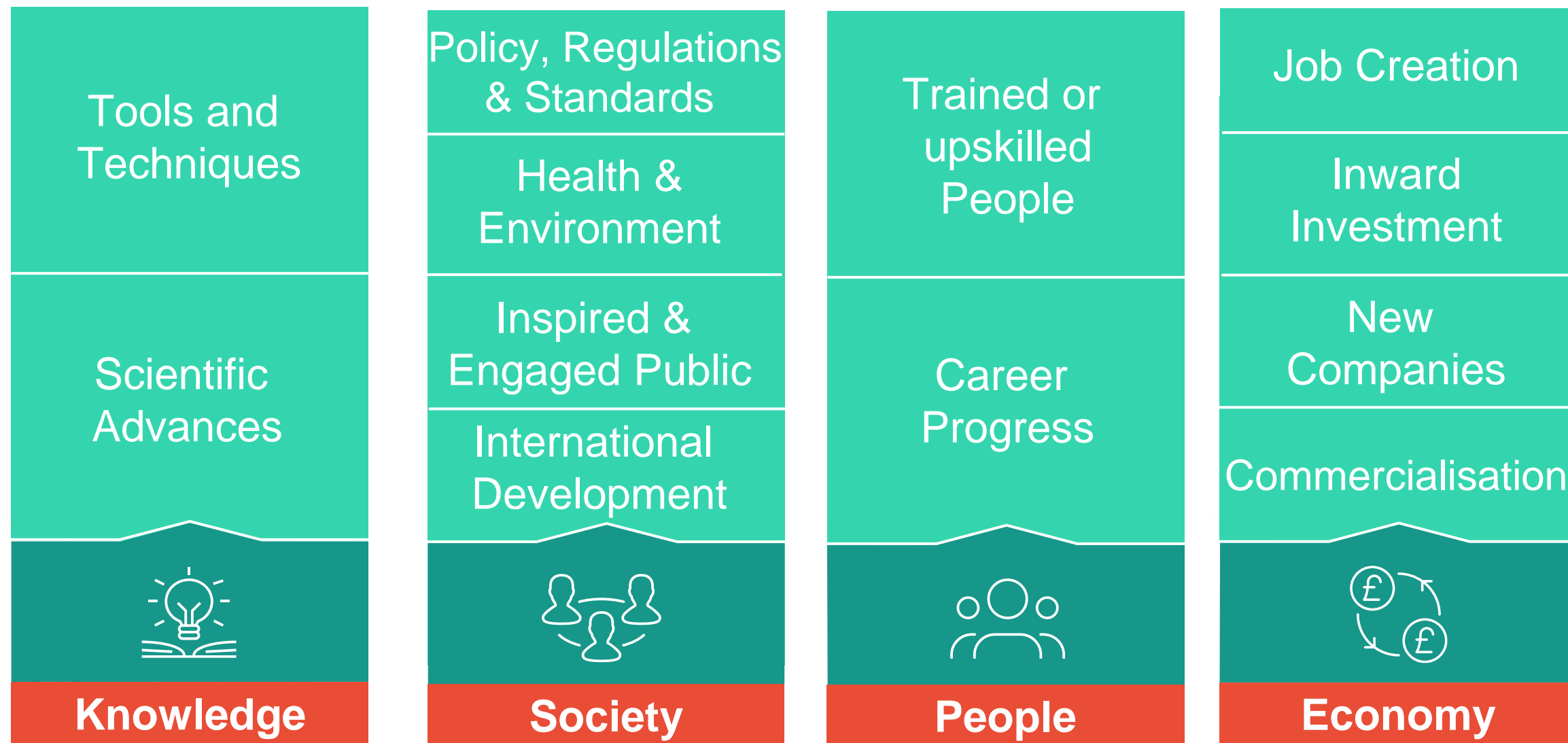


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Facilitating an effective ecosystem



What are we looking to get out of the ecosystem?



What makes an effective AI ecosystem?

World-class
fundamental
research in AI

Use AI to do
science and
engineering
differently



Academic

Programmes that
are grounded in a
real-world context

Co-creation and
involvement with
public and policy
makers



Public

Addressing UK
training needs at
both the
fundamental and
application stage
of AI



Skills

Working with
industry to
identify and
address real-
world challenges



Industrial

Enabling an ecosystem

Translation of research outputs to relevant end users to achieve impact

Impact

Appropriate involvement of key stakeholders at the idea stage helps ensure you realise the potential of your research

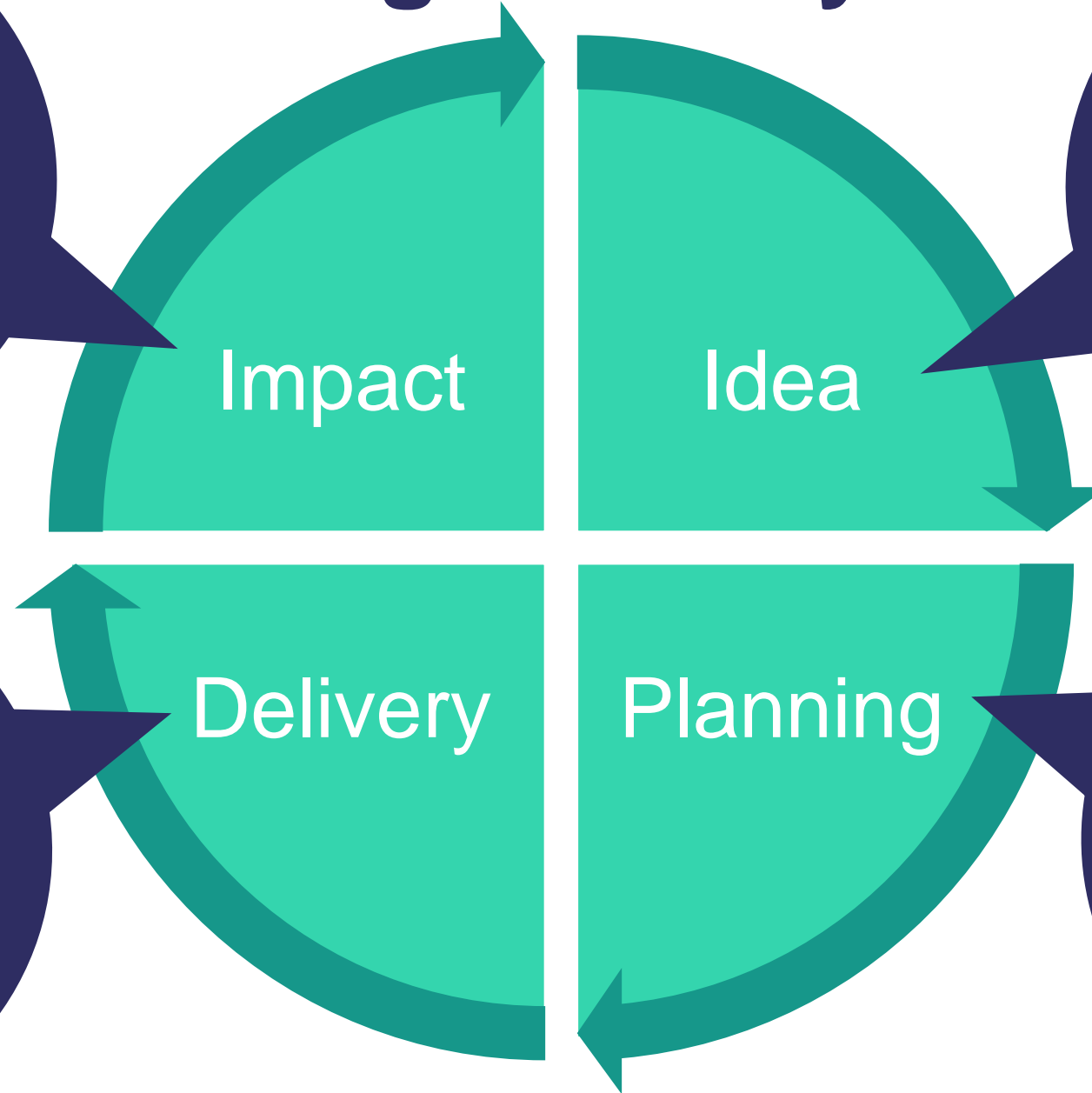
Idea

Findings gained from planned activities can allow programmes to respond to emerging priorities and opportunities

Delivery

Planning activities and requesting the appropriate, costed, resources help add to funding proposals and encourage collaboration

Planning



EPSRC philosophy to maximise impact

Making the most of the Impact journey

- (1) The lifecycle of research
- (2) Planning for outcomes
- (3) Appropriate activities
- (4) Communication of research outputs

EPSRC philosophy to maximise impact

The lifecycle of research

Embed impact into your research from the outset

- Cultivate long-term, mutually beneficial relationships
- Plan for impact with objectives
- Evaluate progress as research develops

Planning for outcomes

- Don't predict the impact of your research, articulate the **expected** outcomes and **potential** future impacts
- Then show how you will maximise the impact of the proposed research. What is most important is the **process** and **your plan** to achieve impacts

EPSRC philosophy to maximise impact

Appropriate activities

Having planned for the impacts of your research, you need to think which activities will propel your research outcomes. We encourage creativity when requesting these resources!

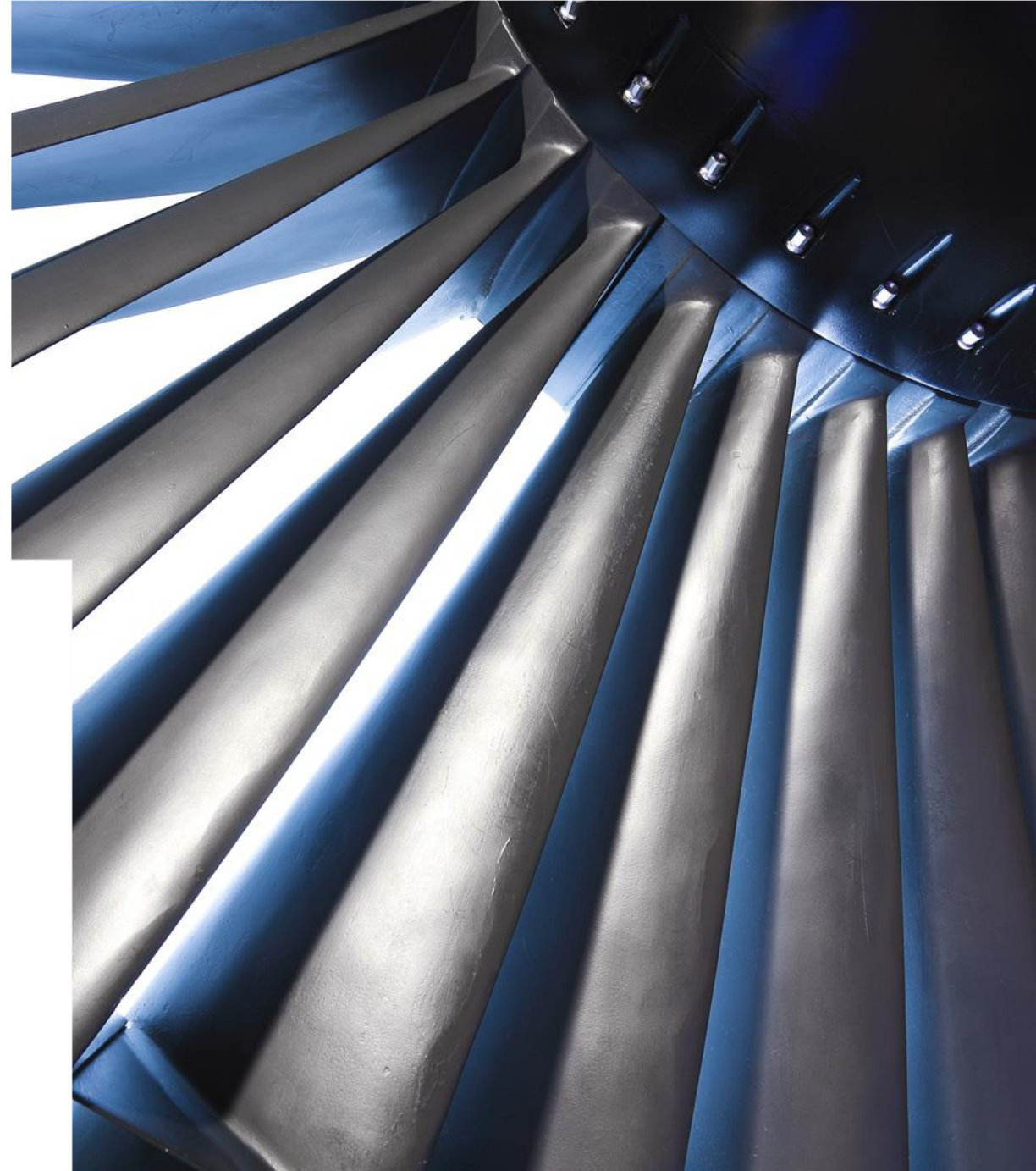
“Where appropriate, activities that support impact creation can be an integral part of high-quality research programmes.”

When requesting appropriate resources to facilitate impact within applications, it is much better to include appropriate costs that will support the realisation of the potential outcomes than to try and save money.

Communication of research outputs

With:

- the academic community
- industry
- Society
- Policy makers
- UKRI





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Break

10:45-11:00





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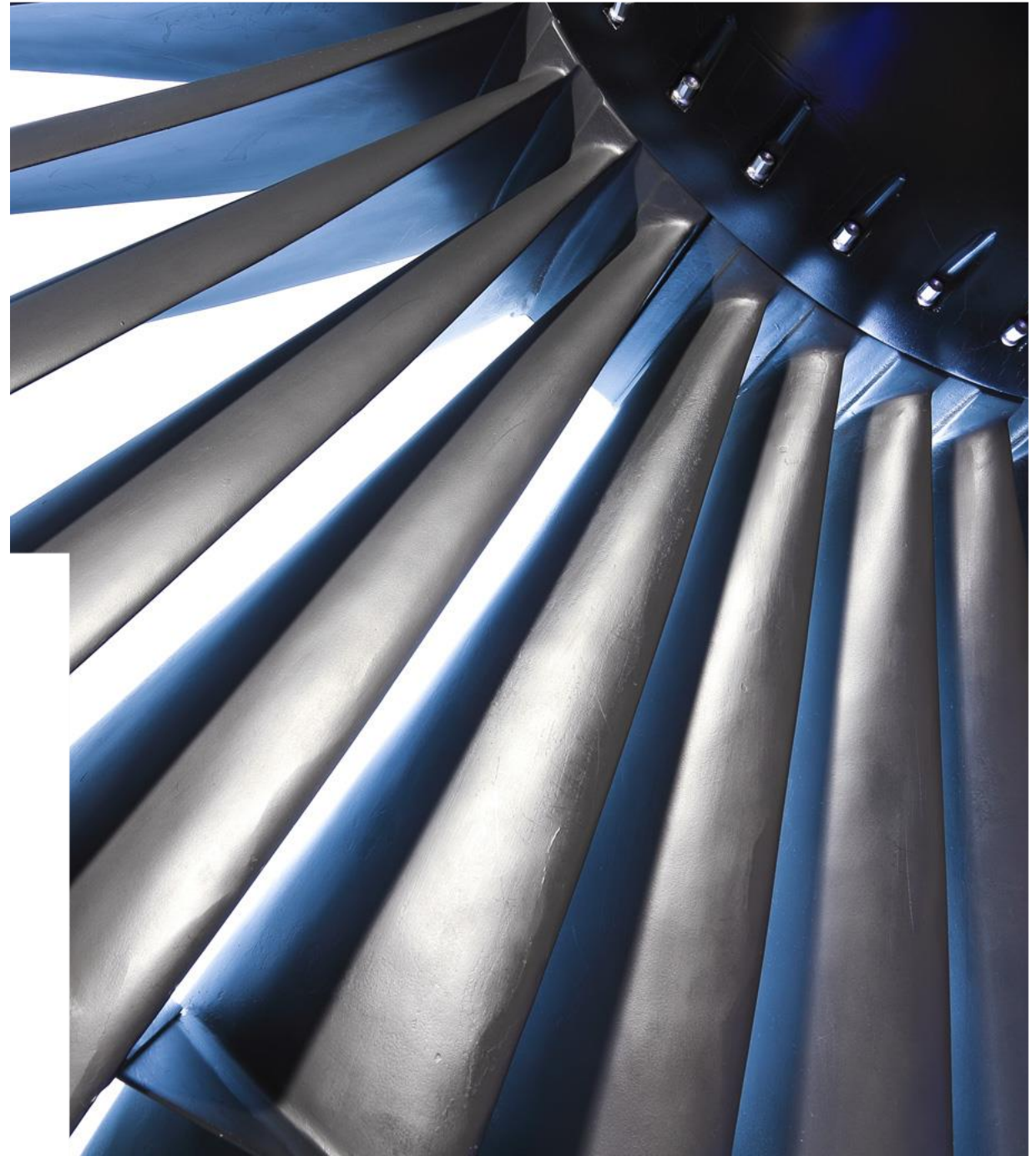
Funding Opportunities



- **AI For Real Data**
- **AI For Scientific and Engineering Research**
- **Mathematical and Computational Foundations of AI**

- **EPSRC CDTs 2023**
- **UKRI AI CDTs 2023**
- **Turing AI World Leading Researcher Fellowships round 3**
- **Additional hypothecated funding**

Facilitating an Effective Ecosystem



Investment model

Innovation, Adoption & Diffusion

Innovate UK programme in AI

Challenge/Mission AI

AI for Science and Engineering

AI for Health
AI for Net zero

Supporting the environment for AI

UKRI AI CDTs

Responsible Trustworthy AI

Enabling a Responsible AI Ecosystem

Connectivity across the AI ecosystem

Alan Turing Institute to transition to Turing 2.0

New AI Capabilities

AI for Real Data

Foundational AI

Turing AI fellows- world leading researchers

Trustworthy, Responsible AI

The Alan Turing Institute



Engineering and Physical Sciences Research Council

Plus within additional cross cutting programmes, and BAU activities.



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Hubs



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Two calls, one ecosystem

- Hubs are critical mass investments with a central governance, multiple partners and a clear mission.
- It is expected that hubs will have core activities laid out as to how they will approach the realisation of their mission, but will have flexibility over the lifetime of the hub to adapt their workplan to meet the mission.
- The hubs should carry out world leading research at scale, and have flexible approaches which bring together the best of whichever discipline will help to answer the questions at the heart of their mission.
- Hubs will have a core set of partners, but should also look to expand these throughout the lifetime of the investment: collaborating with new partners, integrating new workstreams, accessing new data sets.
 - They should also be “sticky”- the part of the ecosystem which can help draw together other activities, find new areas to explore and act with partners to go explore them.

Hub Principles and Expectations

- The hubs will be expected to create new connections in the ecosystem in their lifetime and bring in new partners not involved in the hub at the application stage.
- Hubs will be expected to have a robust governance structure including independent advice, and mechanisms for tracking and reporting progress.
- Hub directors will be expected to be active members of the AI community and represent their hubs appropriately in convening the wider AI landscape
- All hubs will need to ensure a focus on responsible and trustworthy AI development, and ensure that UKRI's principles around open source data and Trusted research are incorporated.

- We hope to see hubs incorporating career development of staff at all career stages and across all positions.

Common peer review process

- Light touch outline stage- short documentation to demonstrate the how the hub would fit into the specific call, the quality of the applicant team and any existing partnerships and novelty of the proposed research. Where appropriate, will also include a page for the user engagement strategy.
- Outline straight to an expert sift panel. Successful proposals will be invited to make a full submission. At this outline stage, the panels and EPSRC may take into account the portfolio, geographic and subject matter diversity of applications received when deciding which applicants to invited to submit full proposals
- Those proposals which are successful will have a **short summary of the proposed work published, with the identity of institution and the applicant team**. Additional partnerships will be encouraged to be formed during this stage.
- EPSRC intend to provide networking support after the publication to allow partners in the landscape to meet with prospective hubs for networking or to introduce potential partners. We have an extended time period for the writing of these full hub proposals.

Funding

- Full proposals will be submitted and undergo expert written peer review.
- Those with sufficient Positive reviews will progress to interview panel.
- It is anticipated that the panel will take a whole portfolio approach to funding to ensure complementarity between investments and funded hubs, with a specific focus on the fit to call criteria at this final stage.
- This prioritisation will be across both hubs calls.

Involvement of The Alan Turing Institute

The hubs are designed to be nodes of the network which are standalone in their governance but interact with each other and the wider ecosystem, looking for opportunities to build additional partnerships and bringing in additional stakeholders.

As the UK's national centre for data science and AI, The Alan Turing Institute is well-positioned to work with successful projects from this programme. The exact nature of the institute's interaction with successful projects will be dependent on the details of each project. The Turing will not be offering specific support (this includes offering letters of support) to individual applications.

- It is expected that all hubs will either have, or will develop, links with the Turing as part of facilitating the flow of ideas and methods across the AI ecosystem, but these will not be mandated.
- Previous engagement is not required at the point of application, nor will it be considered as part of the peer review process.



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Mathematical and computational foundations of artificial intelligence



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Mathematical and Computational Foundations of Artificial Intelligence

Up to 3 **cross-disciplinary hubs**, funded over 60 months, to bring together researchers from across the mathematical and computational sciences to tackle foundational problems in AI.

Total fund available: £25,000,000 (£20M EPSRC)

£7,500,000 - £10,000,000 FEC per proposal (e.g. £6-£8M EPSRC contribution)

- Outline stage open: 22 November 2022
- Outline stage close: 16:00 09 February 2023
- Outline panel: early spring 2023
- Full proposal open: 14 April 2023
- Full proposal close: 16:00 08 June 2023

Mathematical and Computational Foundations of Artificial Intelligence

EPSRC is not specifying research priorities for the hubs beyond the need for them to tackle the foundational or underlying theoretical problems that exist within AI (such as the 'how' and 'why' questions of modern AI systems).

Beyond the optimisation of current systems: innovative, and creative research programmes that will advance our fundamental understanding of AI and AI systems.

As examples (but not steers!):

- uncertainty quantification
- integrating causality and inference into AI models
- vulnerabilities (for example, interpretability, verifiability, robustness)
- algorithm development
- algorithmic bias
- fundamentals of optimisation

Mathematical and Computational Foundations of Artificial Intelligence

We encourage representation from different mathematical disciplines as well as AI research. Evidence of **co-creation** between mathematical sciences and computer science should be evident within the proposed research questions.

The hubs will be required to embed principles of **responsible innovation** and those of trusted research throughout their activities and will be expected to engage with the relevant regulatory bodies where concerns may arise under the **National Security and Investment Act**. Aspects of bias, privacy, security and ethics should be considered where appropriate.



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AI for...

Science and Engineering

Research

Real Data



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One call, two approaches

Hubs designed to have co-creation between those who develop novel AI and problem holders.

- **AI for scientific and engineering research**

Using the power of AI to change the way science and engineering research is done across a discipline or disciplines within EPSRC remit.

- **AI for real data**

Advance the use of AI when working with challenging and complex data and data sets

These 2 streams will be assessed separately but funding decisions will be taken across the whole portfolio at the point of funding to ensure a balanced portfolio

AI for Real Data AND AI for Science and Engineering Research

Total fund: £75,000,000 (£60M EPSRC)

Full economic cost of projects can be **up to £12,000,000**. EPSRC will fund up to 80% of the full economic cost

Funding will be awarded over **60 months** and projects must start on 01 February 2024

We aim to fund **up to 6 hubs** across the two distinct areas

Outline stage open: 22 November 2022

Outline stage close: 16:00 on 09 February 2023

Outline panel date: March 2023

Full proposal open: 14 April 2023

Full proposal close: 16:00 08 June 2023

Commitment date: January 2024

AI for Real Data

EPSRC aims to **advance the use of AI when working with challenging and complex data and data sets** whilst developing new and holistic approaches.

EPSRC requires proposals to place an emphasis on key areas of focus which are designed to address specific challenges in an aspect of AI Hubs must apply against one or more of the priority areas and show how they will apply techniques developed to a real world data set by the end of the funded period.

- uncertainty quantification
- real-time and dynamic data
- complex data (federated, heterogeneous, noisy, sparse, and multimodal data)
- hybrid AI

AI for Real Data

While every application must specify which area they are applying against it is down to each applicant team to decide how they will tackle the problems involved.

Hubs should have access to data for the approaches to be demonstrated on, usually through partnership with a user of AI (business, public sector or other), with data which is difficult to deal with. This could be:

- low quality data
- missing data
- noisy data
- real-time data
- small data
- sparse data
- unstructured data

AI for Science and Engineering Research

An opportunity for **collaborative research** that will enable the development and adoption of new AI capabilities across research domains.

Funding hubs which will use the power of AI to **transform research across the physical sciences and engineering**, to enable new discoveries and the creation of new scientific knowledge and understanding. Applicants should show how this will benefit both those developing novel AI, and the discipline or disciplines with which they are collaborating.

Proposals should be **multidisciplinary** but do not have to advance the state of the art in all areas. Co-creation between the AI community and a science or engineering discipline is essential and should be evidenced in the work packages, leadership team and governance of the hub.

AI for Science and Engineering Research

Applicants are asked to indicate in their application how they address both development of novel AI and contribute to an area of EPSRC funded science or engineering.

The examples areas given in the call document are examples, and should not be treated as exactly what we are looking for! We have tried to show what a hub focussed on the area might do, taking into account current EPSRC strategy in that area.

The key thing is finding areas where AI will allow science to be done differently- in silico, in the lab and across engineering disciplines.

Do not feel limited- it may be that techniques will apply to a wide variety of science- key thing is showing how it will be co-created and will have an impact on the way science is performed and AI is developed.

A brief word on the other investments....

EPSRC Centres for Doctoral Training 2023

- Up to **£324m** available to fund **approximately 40 CDTs**
- CDTs will train **5 cohorts of students** doing a 4-year doctorate or equivalent from 2024/25
- Applicants need to chose 1 of 3 focus areas:
 - Meeting a user need and/or supporting civic priorities
 - Delivering an EPSRC research priority (7 cross-cutting scientific strategic priorities)
 - Supporting an innovative approach to CDT delivery
- Required minimum cohort size of 10 students
- **minimum 20% cash contribution** towards the total studentship costs from non-UKRI sources

UKRI AI Centres for Doctoral Training 2023

- Up to **£117m** available to fund **10-15 CDTs**
- CDTs will train **5 cohorts of students** doing a 4-year doctorate or equivalent from 2024/25
- Expected minimum cohort size of 10 students
- All those trained through the CDTs should at the end of their studies they will:
 - have a sufficient knowledge of AI and the chosen priority area
 - be able to develop and apply novel AI techniques within that area, discipline or sector
- Allocation of funding to UKRI is subject to business case approval by BEIS and HM Treasury

UKRI AI Centres for Doctoral Training 2023

Priority areas (focus on at least 1)

- Science and research
- Health
- Environment and energy
- Sustainable agriculture and food
- Defence and security
- Creative industries
- Responsible and trustworthy AI

Cross-cutting themes (optional)

- AI for increasing business productivity
- Application of AI to government policy and public services

Applicants should be able to articulate

- a clear need for doctoral level skills education in a specific area(s) of focus
- the need for a cohort-based training approach

UKRI AI Centres for Doctoral Training 2023

- 2 stage process
 - outline proposals assessed by expert panels
 - full proposal leading to interview panel
- Organisations may submit a **maximum of 2 outline applications** as lead
- CDTs should focus on **at least 1 of the priority areas**
- Co-creation between different disciplines and engagement with industry and users are strongly encouraged.

Comparison of 2023 CDT funding opportunities

	EPSRC CDT call	UKRI AI CDT call
Funding	£324m	£117m
Eligibility	Applications must be led by a research degree awarding body.	Applications must be led by research organisations which already have suitable arrangements in place to award doctoral qualifications and a track record of delivering doctoral training.
Demand management	At least 1 proposal as lead organisation. Organisations have been notified where they may submit more than 1 proposal as lead.	Maximum of 2 proposals as lead organisation.
Timelines	Outline deadline: 7 March 2023 Full proposal deadline: 12 September 2023 Interviews: November 2023	Outline deadline: 23 February 2023 Full proposal deadline 13 July 2023 Interviews: mid-September 2023
Cohort size	<u>Required</u> minimum cohort size of 10 students per academic year	<u>Expected</u> minimum cohort size of 10 students per academic year. Smaller cohorts may exceptionally be permitted where a strong rationale can be provided.
Leverage	Minimum 20% cash contribution <u>required</u> towards total studentship costs	Diversity of potential partners across UKRI's remit means <u>no minimum leverage requirement</u> has been set. However, both cash and in-kind support is <u>strongly expected</u> .

Turing AI World-Leading Researcher Fellowships Round 3

Rounds 2 and 3 Pre-announcement

Turing AI World-Leading Researcher Fellowships invest in the retention and international recruitment of the best and brightest AI researchers.

Their aim is to establish centres of excellence in key areas of AI research in the UK, helping to build new capability and capacity in the UK. This will contribute to the development of a diverse and sustainable UK AI research ecosystem.

The fellowships enable enhanced engagement between academia, business and other sectors through flexible career paths that encourage intersector mobility.

Turing AI World-Leading Researcher Fellowships Round 3

Provisional timeline:

- Outline call to open in late January/early February 2023
- Outline panel July 2023
- Full proposal deadline October 2023
- Interview panel Spring 2024
- Fellowships start October 2024

Expected changes from Round 2:

- No extensive changes
- Further encouragement of joint positions with industry
- Emphasis on the following objectives of the investment:
 1. Collaboration with industry
 2. Regional diversity
 3. International Talent

Turing AI World-Leading Researcher Fellowships Round 3

As an applicant, you should be able to:

- demonstrate international standing in your area
- show potential for adding value to the UK AI leadership landscape
- build new capability and capacity in AI within the UK.

[The First five fellows were announced in July 2021](#)

Responsible and Trustworthy AI

AI for Net Zero

Ai for Health

And back to hubs....

Key Takeaways

- Hubs are neither big responsive mode grants, nor programme grants. Justify why a hub approach is needed and why it is important.
- We are expecting to see how the investment will work to unite the community under common challenges- across universities, institutes, research establishments, and users. Where these are not already present in hub applications there should be a good plan of how this will be achieved.
- This investment is to help bring the community together around key missions in AI, and to ensure learning and new approaches can quickly percolate through the ecosystem. Breadth of partnerships and plans to engage other relevant activities will be required to be competitive.
- In all applications we anticipate a variety of approaches will be taken to addressing the key missions of the hub- do not be afraid of risk.





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Questions?

**Alternatively, you can email
ai.robotics@epsrc.ukri.org**



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Thank you



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Facilitated networking session

World café style

Three opportunities to discuss specific investments

Leading into a free flow networking session





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Sum up and close of meeting

Thank you



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