


AI & Robotics @ EPSRC






Department for
Business, Energy
& Industrial Strategy



EPSRC research impacts all aspects of daily life

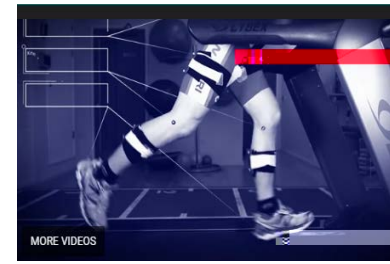
driverless cars



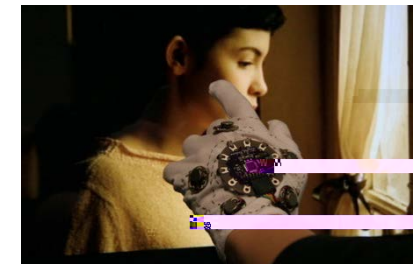
historic buildings



sports technology



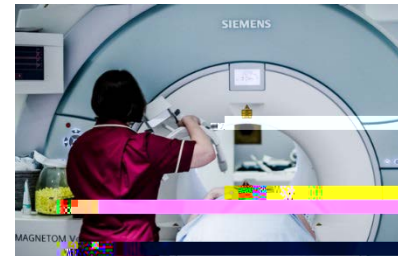
music and art



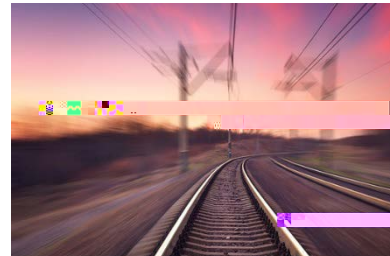
defence and security



healthcare



infrastructure



auto sector



clean energy



energy networks



finance



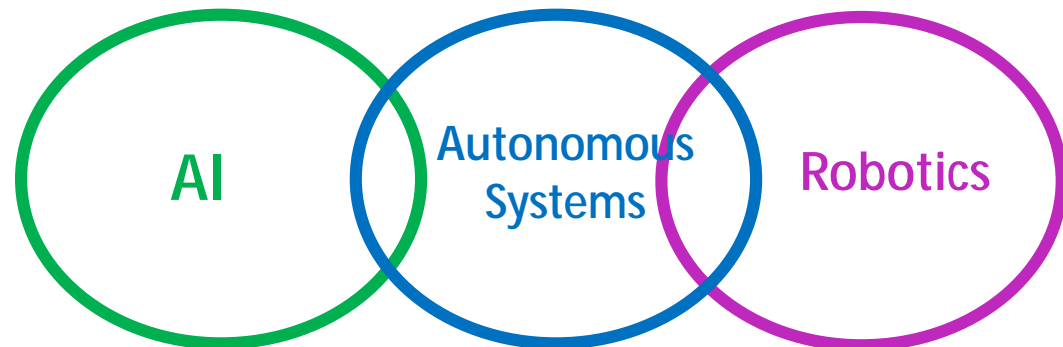
care for the elderly

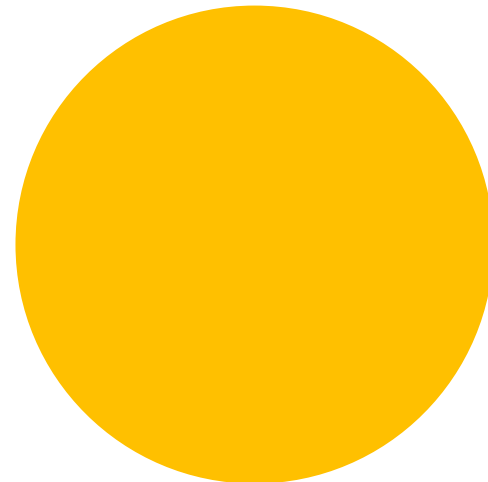


AI & Robotics in the UK

The political profile of AI and Robotics has grown significantly, and continues to do so:

- Industrial Strategy: AI and Data Economy is one of four Grand Challenges
- Hall and Presenti Review '*Growing the Artificial Intelligence Industry in the UK*'
- AI Sector Deal
- Office for AI & AI Council
- Robotics Growth Partnership to "put the UK at the cutting edge of the global smart robotics revolution, turbo-charging economic productivity and unlocking benefits across society."





Delivering the
Trustworthy
Autonomous
Systems SPF W27p Tm[

Leading the Delivery of the **UKRI
AI Review**, resulting in a UKRI AI
Strategy

Identifying and developing new
directions and opportunities

Building Relationships,
Knowledge and Influence to put
EPSRC in a Leadership Position in
the AI and Robotics Landscape

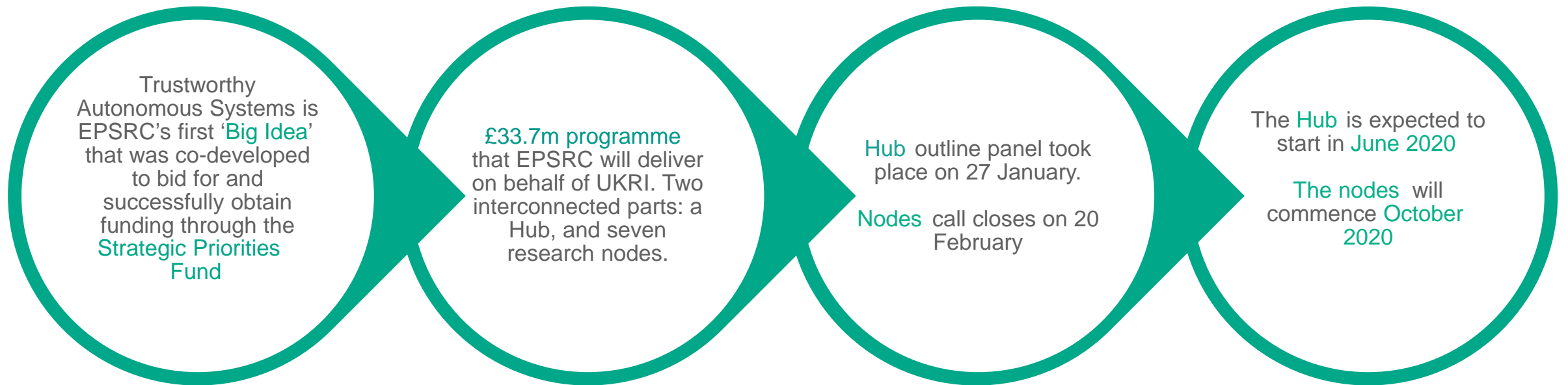
Robotics and Autonomous Systems

4 CDTs

The Edinburgh Centre for Robotics
Autonomous Intelligent Machines
and Systems

Agri-

Trustworthy Autonomous Systems



The bid was also originally supported by DfT, MOD, DSTL, the Home Office, National Security and Intelligence, CPNI, UKAEA, CCAV, the Royal Academy of Engineering, Lloyds Register Foundation, and a number of representative companies

Programme delivery

UKRI TAS programme

- a) Coordination and collaboration
- b) Creativity and multidisciplinary
- c) Advocacy and engagement .

Hub

Leads on coordination

- Building an interconnected community

Leads on advocacy and engagement

- Engaging with stakeholders proactively

Collaborate within and beyond the programme

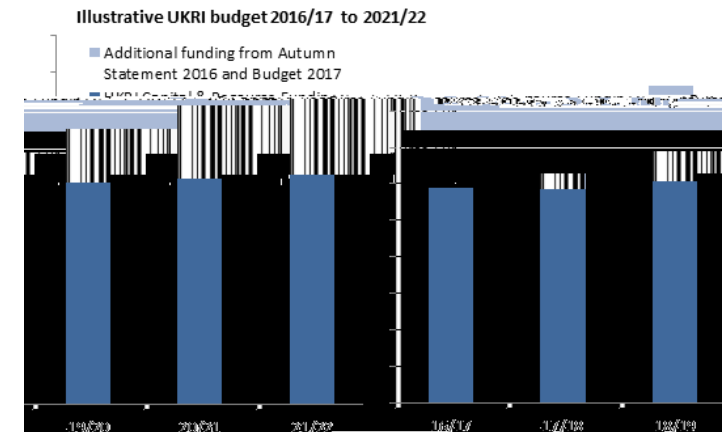
Nodes

Deliver against the creativity and multidisciplinary objective

- Undertake focused, fundamental research

Safety of Mobility: The EPSRC Forward Look

- How can we work together to address the needs of the community?
- What relevant investments are there out there, and how can you engage with them?
- How can we work together to engage with new funding opportunities, and to influence the broader landscape?
- How can we ensure we enable a balance of both fundamental and use driven research?



In the 2016 Autumn Statement **£4.7bn** of additional funding for R&D was announced, with a rising profile, over the period 2017/18 to 2020/21.

EPSRC AI & Robotics Team

All: firstname.surname@epsrc.ukri.org

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Individual	Role	Team @ EPSRC
Anna Angus-Smyth	Head of AI & Robotics	AI & Robotics
Vivienne Blackstone	Turing AI Fellowships, People	AI & Robotics
Victoria Mico Egea	Trustworthy Autonomous Systems	AI & Robotics
Anne Toft	Robotics	AI & Robotics
Laura Totterdell	International, AI/Cyber Security, Made Smarter	AI & Robotics
Ruqaiyah Patel	Alan Turing Institute, ASG	Mathematical Sciences
Renée van der Locht	UKRI AI Review, AI Technologies	ICT
Alex Shevchuk	Portfolio Manager: Autonomous Systems	AI & Robotics
Liam Boyle	Portfolio Manager: Information Systems & Turing AI Fellowships	AI & Robotics
Laura Cadman	Portfolio Manager: AI Technologies	ICT
Clara Morri	Portfolio Manager: Robotics	Engineering
Nina Cox	Portfolio Support Manager	AI & Robotics





Thank you

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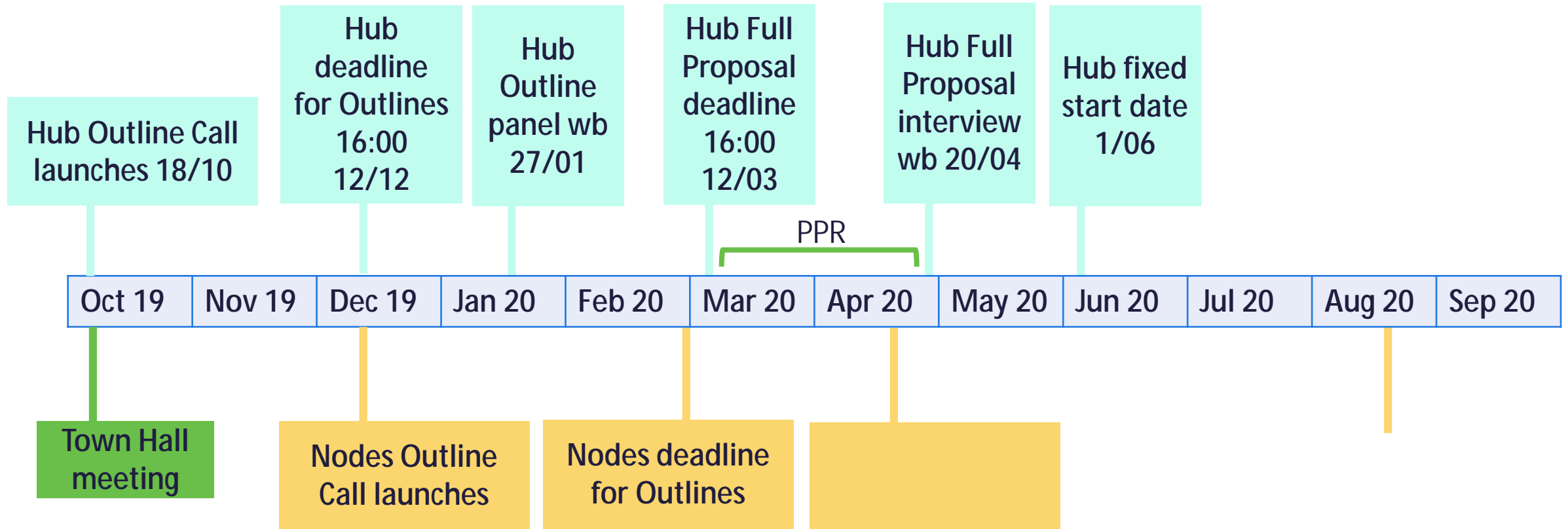
Engineering and Physical Sciences Research Council



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TAS - Delivery timeline



Turing AI Fellowships

Turing AI Acceleration Fellowships

- £18M to fund 10-15 fellows for 5 years starting on 1 January 2020
- Invest in accelerating the careers of high potential mid-career researchers towards a world-leading position
- Strong emphases on creativity of ideas, thought, and approach, and on enabling new models of collaboration between academia and other sectors