



**INDUSTRIAL
STRATEGY**



**UK Research
and Innovation**



Industrial Strategy Challenge Fund Transforming Food Production Challenge

Evaluation pre-market engagement session

Wednesday, 13 May 2020

Via Zoom

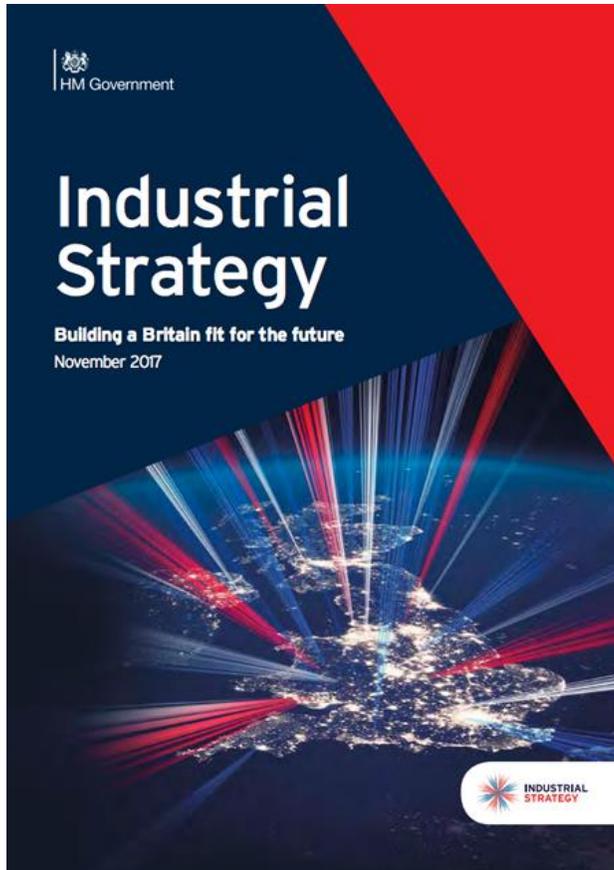
Agenda

- Introduction
- Overview of ISCF and the Challenge
- Evaluation expectations
- Procurement Overview
- Q&A



Overview of the Transforming Food Production Challenge

Industrial Strategy Challenge Fund



- Increased UK business investment in R&D and improved R&D capability and capacity
- Increased multi and interdisciplinary research
- Increased business-academic engagement on innovation activities
- Increased collaboration between younger, smaller companies and larger more established companies, connecting up value chains (or networks)
- Increased overseas investment in R&D in the UK

AI & Data / Ageing Society / Clean Growth / Future of Mobility

Part of the Industrial Strategy Challenge Fund (Wave 2)

**Audience of the future
(up to £33m)**



**Data to early diagnosis
and precision medicine
(up to £196m)**



**Prospering from the
energy revolution
(up to £102.5m)**



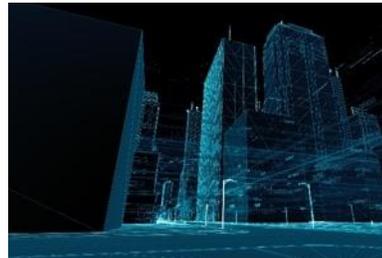
**Healthy ageing
(up to £98m)**



**Next generation services
(up to £20m)**



**Quantum technology
(up to £20m)**



**Transforming construction
(up to £170m)**

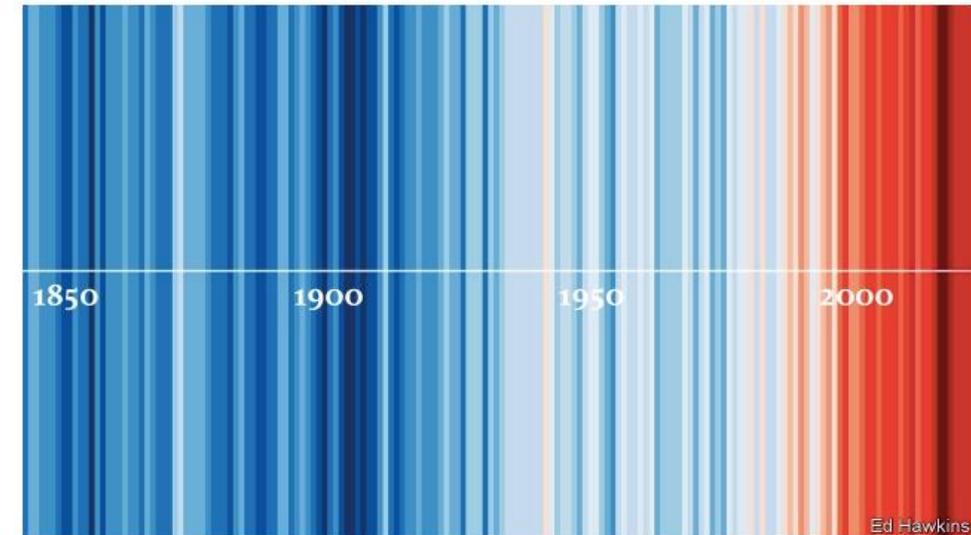


**Transforming food
production (up to £90m)**



Transforming Food Production

- Global need to produce food in ways that are significantly more efficient, resilient and sustainable
- Transforming Food Production is recognised as a key driver of Clean Growth under the Industrial Strategy
- Integrates current world-class UK capabilities (digital tech, AI, engineering, biological, environmental and social sciences) to realise the biological potential while minimising our environmental footprint



Key Agricultural Facts

- To feed a global population of 9 billion people by 2050, food production needs to increase by 60%, while at the same time significantly reducing its environmental footprint
- The UK agri-food sector supports £3.9m jobs across the UK, utilises 71% of UK land and has a gross value added of £112bn
- Productivity for the sector lags our global competitors, e.g. UK agricultural productivity growth had averaged less than 1% per year over the last 20 years, compared with 3.5% in the Netherlands and 3.2% in the USA
- Agriculture currently contributes 24% of global greenhouse gas emissions

Transforming Food Production



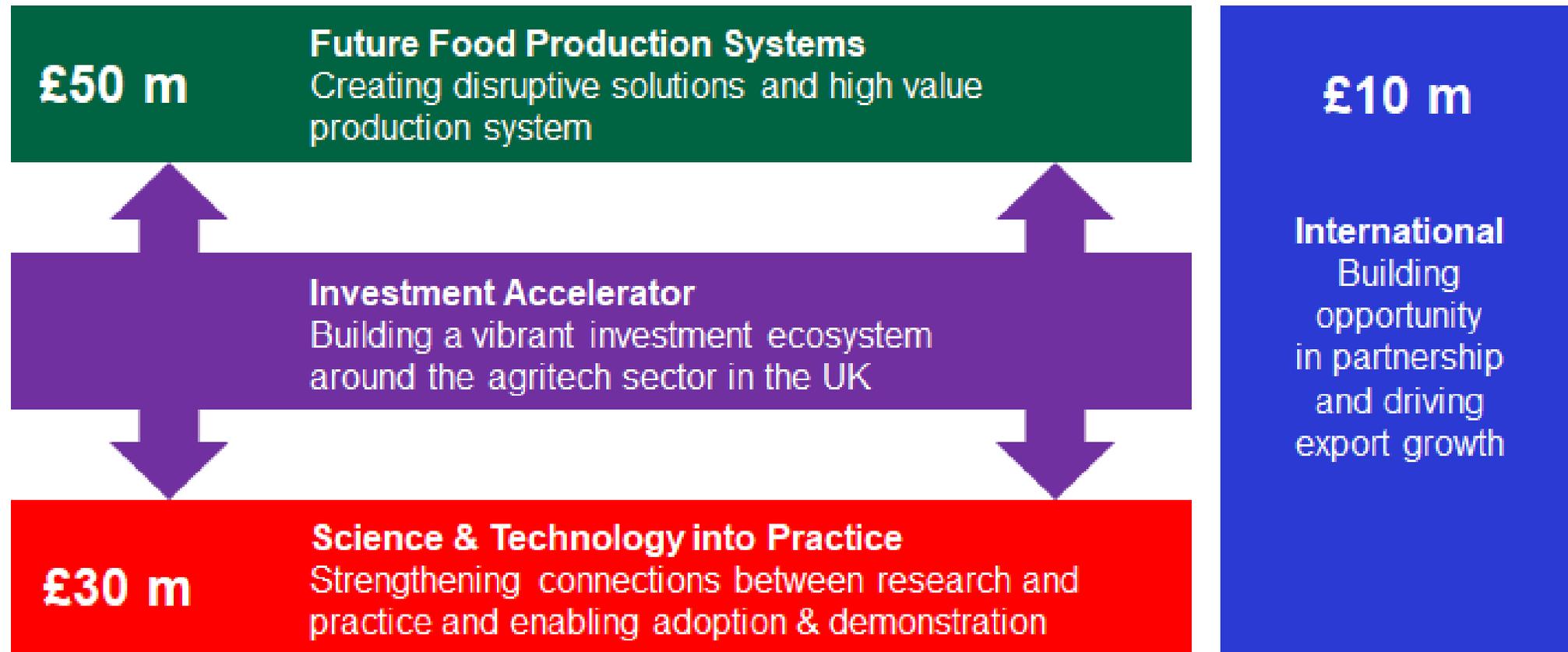
- Accelerating the development and adoption of integrated precision approaches to improve productivity in agricultural systems
- Enable food to be produced in ways that more efficient, resilient and sustainable
- Driving economic growth across the country

Towards net zero emissions productive food systems by 2040

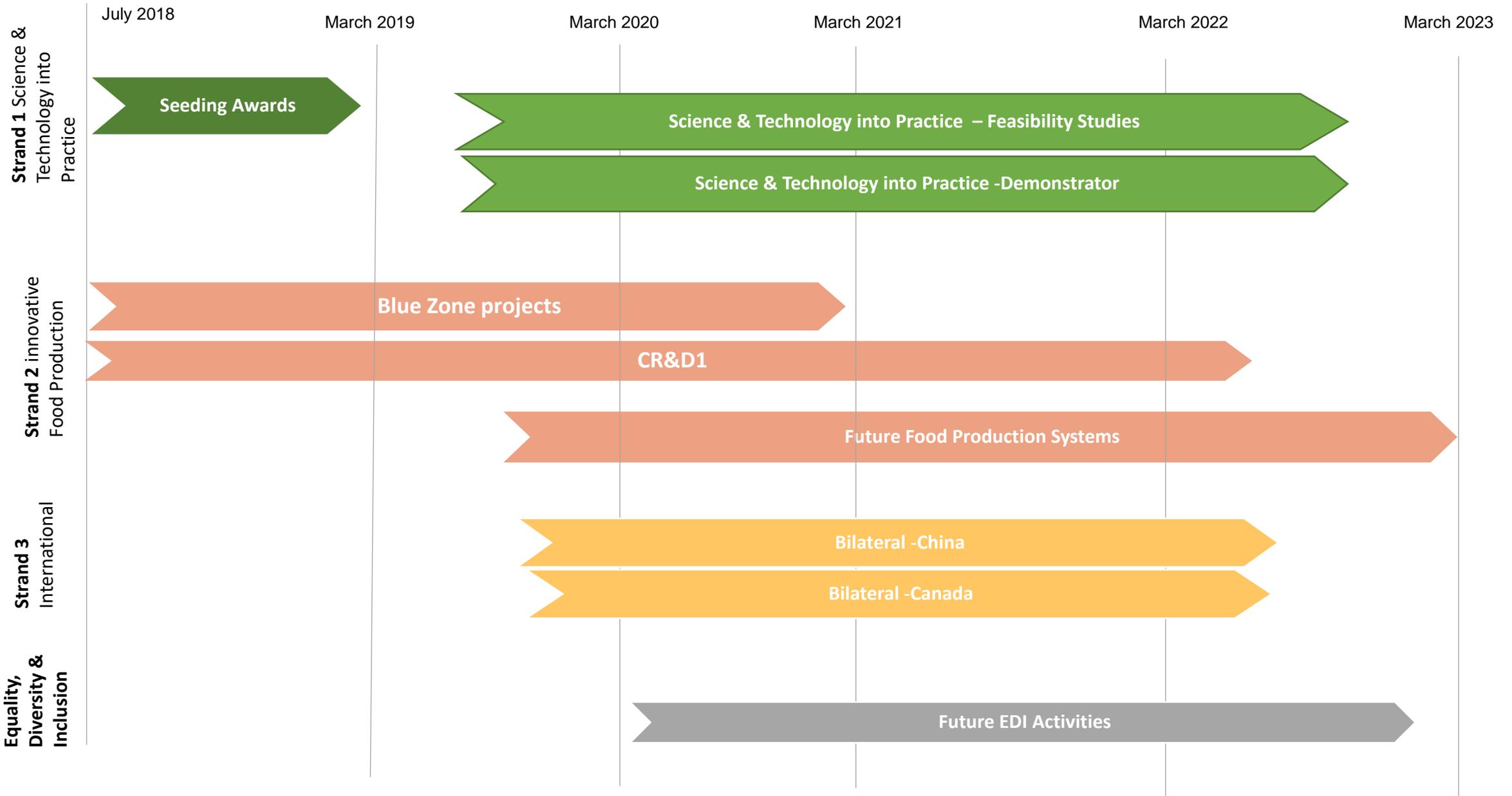
Objectives of the Challenge

- Create integrated data-driven solutions to drive **primary agricultural productivity** whilst transitioning **towards net zero emissions**
- Embed adoption of precision approaches to bridge the productivity gap, strengthening connections between researchers, businesses and practitioners
- Stimulate the establishment of novel high value production systems to position UK technologies at the forefront of new industries.
- Drive growth in UK precision technology companies, creating high value jobs and adding value in the UK agricultural value chain.
- Develop export opportunities and increase investment into UK research and innovation.

Transforming Food Production Delivery



TFP Programme Plan April 2020





Transforming Food Production Challenge Evaluation

Purpose of the Evaluation

Programme Impact Evaluation

- The aim of the evaluation is to assess the extent to which the TFP Challenge is making or has made an impact considering its original goals.
- The evaluation needs to test the extent to which the programme will deliver the outcomes and impact as expected and outlined in the delivery plan and the extent to which these are attributable to ISCF funding.
- It is expected that the evaluation will consider each strand of the programme in detail, as well as the overall impact of the combined programme.

Process Evaluation

- The aim is to understand which aspects of the existing TFP processes are most effective and whether any changes to processes could improve effectiveness and efficiency
- The extent to which TFP processes support or inhibit pathways to future impact, and whether any improvements are needed
- The broader factors and processes that support or inhibit the effectiveness of TFP
- Any lessons for the design or delivery of future intervention competitions for TFP

Activities to Date

- A benefit logic model has been developed
- Benefits profiles created with near- and long-term benefits
- Indicative indicators assigned to benefits to track & measure progress
- Monitoring Officers of live projects collect participant data quarterly
- A benefits dashboard has been developed and will soon be implemented

Expectations

This tender is for the delivery of:

- Phase 1 (Evaluation Framework Development)
- Phase 2 (Baseline Measurement),
- Phase 3 (Process evaluation and interim progress reporting on evaluation)
- Phase 4 (Impact evaluation)



Procurement Process

Timescales



Procurement process	Dates
Advertise pre-market engagement event	29 th April 2020
Pre-market engagement event	13 th May 2020
Issue of competition to all bidders	20th May 2020
Deadline for clarification questions	10 th June 2020
Latest date clarification answers	15 th June 2020
Deadline for Bid to be submitted through Delta	8th July 2020
Interviews	w/c 20 th July 2020
Anticipated Award Date	28 th July 2020
Anticipated Contract start date	1 st August 2020
Anticipated Contract end date	31 st March 2023

Assessment Criteria

Criteria	Criteria to Assess
Price	Price
Quality	Approach
Quality	Staff to Deliver
Quality	Understanding the sector, landscape and environment
Quality	Project Plan, Management and Timescales
Quality	Interview

About the Research Marketplace



- The Research Marketplace is a Dynamic Purchasing System (DPS)
- It can take up to 15 days for a supplier to register on the DPS
- Bespoke supplier shortlists are created for each procurement by selecting 'filters' to create a shortlist of suppliers with the necessary skills.

How to register to the Research Marketplace

If you would like to register as a supplier on the Research Marketplace DPS, please register at <https://supplierregistration.cabinetoffice.gov.uk/dps#research> and follow the online guidance



Questions and Answers



Thank you very much for your time