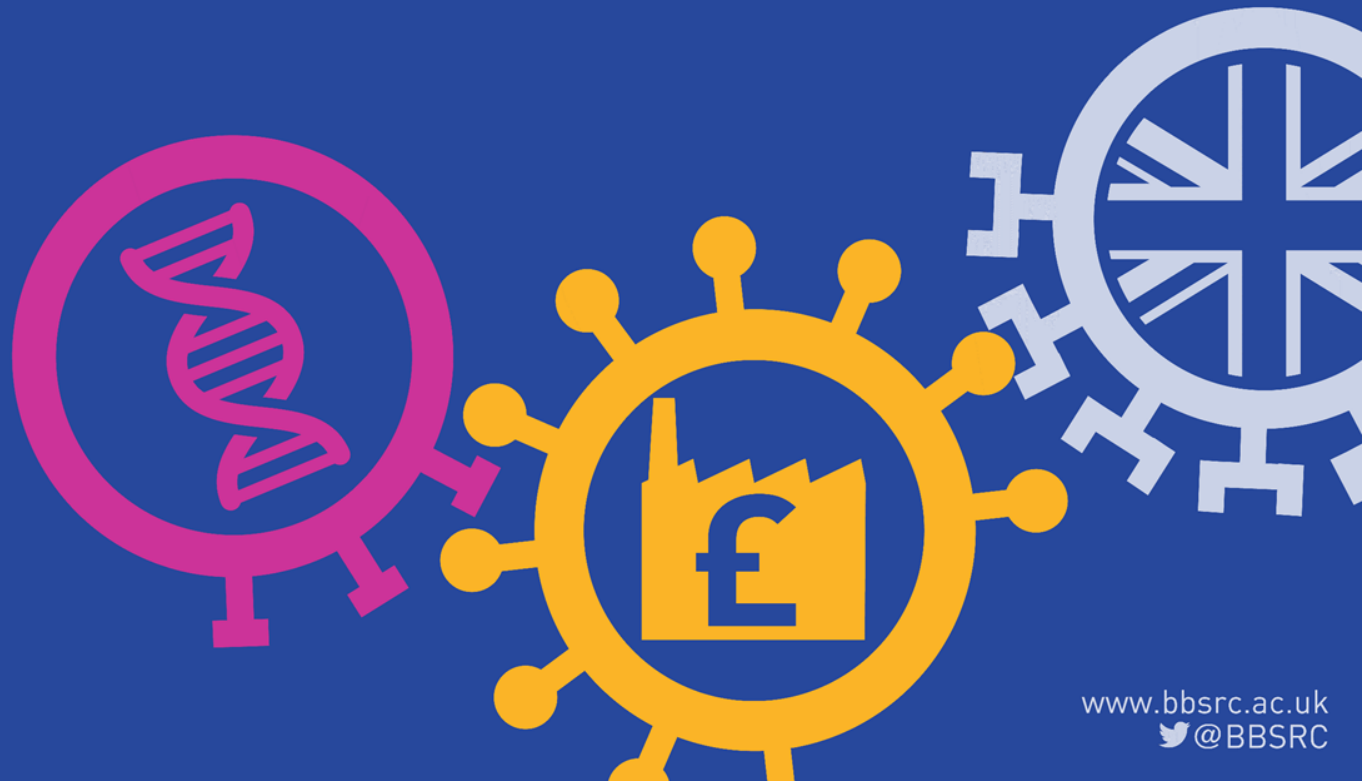


BBSRC – STFC food network +

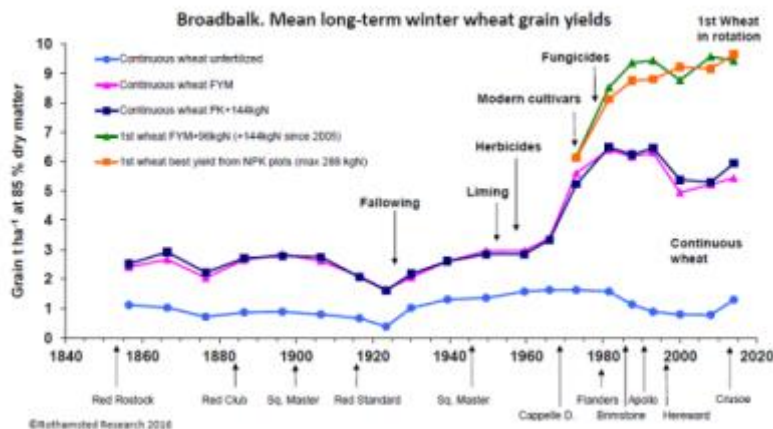


What is Agriculture and food security?

- The cultivation of animals, plants and fungi, and associated support services, for the production of **food, and non-food.**
- Ensuring people have long-term secure access to sufficient, **safe, nutritious** food supply
- In a BBSRC context: funding the research innovation and skills to support the **bioscience and biotechnology** required to deliver this.

Challenged ahead....

- We need to produce more food by 2050 than we have done in human history
- This will require 120% more water; 42% more cropland and loss of 14% more forest due to yield plateaus
- With electrification of cars and renewable energy agriculture will become the biggest GHG emitter



UK research funding

HM Treasury (HMT)

Department of Business, Energy and Industrial Strategy (BIES)



**Science Budget £18.3 billion
(\$30Bn) 2011-2015**



Arts & Humanities
Research Council



BBSRC strategic plan: The age of bioscience

“driven by new tools and technologies”

....never before have researchers been able to address such a breadth and depth of biological questions....

www.bbsrc.ac.uk/strategy



Three major strategic priorities

Agriculture and food security



Industrial biotechnology and bioenergy



Bioscience for health

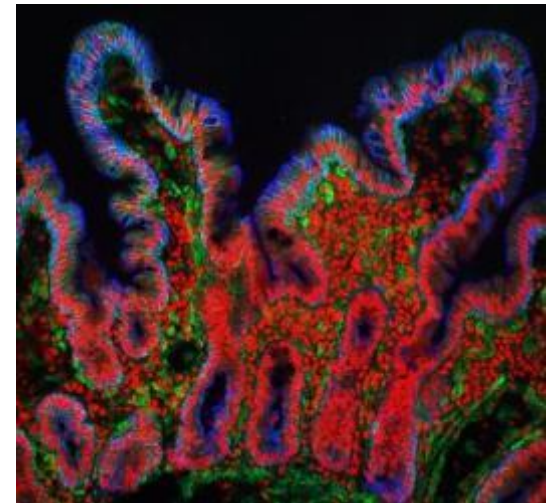
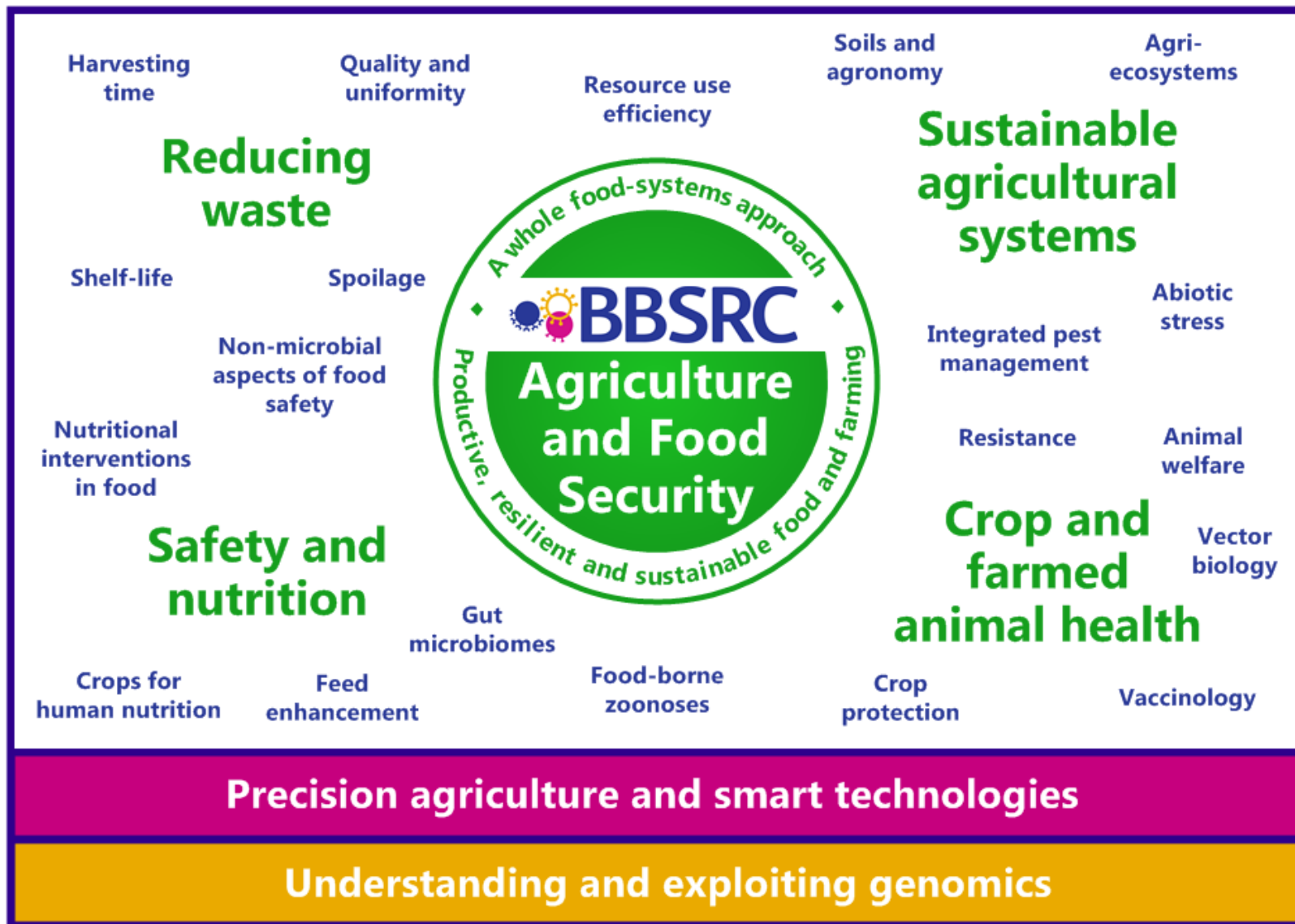


Image credits 1.Thinkstock 2.TMO Renewables 3.Stephanie Schuller, IFR



A Vision and high-level Strategy for UK Animal and Plant Health Research To 2020 and Beyond



HM Government:
Department for Business, Innovation and Skills, Government Office for Science,
Department for Environment, Food and Rural Affairs, Food Standards Agency,
Department for International Development, Public Health England

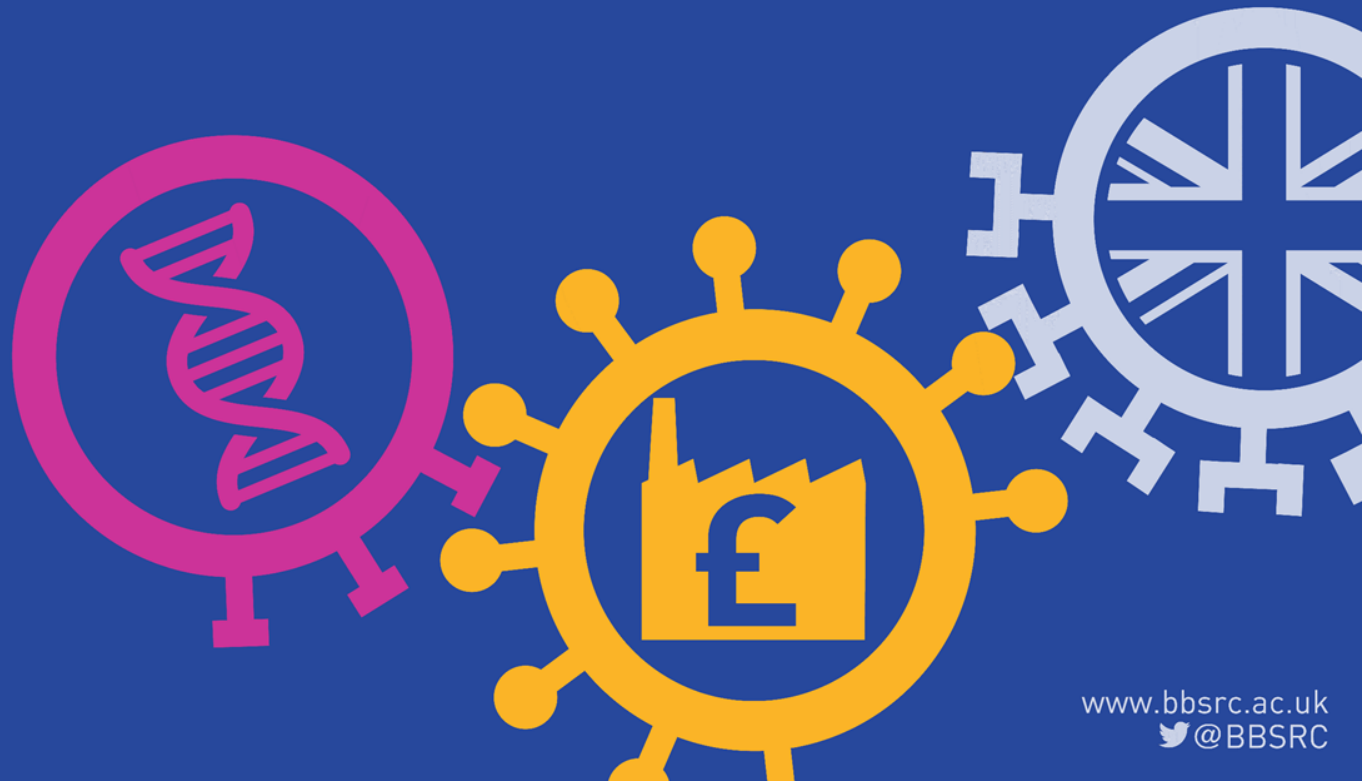
Feeding the Future, four years on: A review of innovation needs for British farming



AHDB Strategic Plan 2016-2019

'Maximising Opportunities'

BBSRC- funding opportunities



Industrial Strategy Green Paper



Lessons learned from the GAFSR call

- Not just RM with an overseas partner, but still good quality research
- ODA challenge led
- Demonstrate an understanding of the societal and cultural context
- In-country partners are appropriate and add value
- Be clear and realistic about the potential impact
 - Directly associated with this grant
 - What are the benefits beyond the lifetime of the grant?
- Learn from others

www.bbsrc.ac.uk/documents/gcrf-agriculture-food-systems-generic-observations-pdf/

Future ODA opportunities

General:

- Next phase collective fund currently under development
- All RC led activities advertised centrally
 - www.rcuk.ac.uk/funding/gcrf
- Other ODA funding opportunities (Newton, Prosperity, Ross/Fleming Funds)

Specific Newton activities:

- India pulses and oilseeds
- **The UK-China Agritech call**
- Swine and Poultry Health
- CIAT Tropical forages and pulses

Further opportunities with a number of countries are currently under discussion and more information will be released shortly.

- All BBSRC Newton calls are listed here:
<http://www.bbsrc.ac.uk/research/international/funding/newton-fund/>

Other funding opportunities

- **Precision agriculture:**
- Funding available in collaboration budget for activity to underpin industry engagement and de-risk investment.



Thank you

Harriet.trewin@bbsrc.ac.uk

