SFN Launch Meeting
Science and Technology Facilities Council
Outline

• What is STFC
• What do we do
• Science Programme
• Research Councils
• GFS RCUK
• STFC Capability
Science and Technology Facilities Council
One of Europe’s largest multi-disciplinary scientific research organisations

STFC funds, designs, builds and operates world-class large scale science infrastructure:

• unique scientific insight

• innovative technology

…to government, academic and industry customers
• Provide large-scale science facilities and programmes for the UK
• A centre of ‘science-technology’ expertise
• Economic Impact
What we do

World Class Research, Innovation and Skills

• Broad range of physical, life and computational sciences
• Around 1,700 scientists in particle and nuclear physics, and astronomy
• Access for 7,500 scientists to world-leading, large-scale facilities
• Science and Innovation Campuses at Daresbury and Harwell
• Globally-recognised capabilities and expertise in technology R&D
• Inspiring young people to undertake STEM
Our science programme

Particle Physics/Particle Astrophysics
• Revealing the structure and forces of nature – CERN

Ground based Astronomy
• European Southern Observatory
• Square Kilometre Array

Space based Astronomy
• European Space Agency
• Bilateral – NASA, JAXA, etc.

Nuclear Physics
• Nuclear Skills for - medicine, energy and environmental applications
Research Council Funding Mechanism

STFC is an independent, non-departmental public body of the Department for Business, Energy and Industrial Strategy.
The Global Food Security Programme:
A collaborative partnership between the UK’s major public funders of food-related research (Research Councils, Govt Depts, Devolved Administrations, Innovate UK)

- ‘Federation’ of funding agencies and ‘one-stop shop’ with independent secretariat
- World leading in coordinating across government and other funding agencies
- Single shared high-level strategy
- Food systems and interdisciplinary approach
- Bring together stakeholders to develop common framing of issues - enables collective action & research agenda setting
- Co-design of new research in strategic areas
- Translation of knowledge into policy and practice
- Public engagement

www.foodsecurity.ac.uk  @FoodSecurityUK
The UK’s main public funders of food-related research are working together through the **Global Food Security programme** to meet the challenge of providing the world’s growing population with a sustainable, secure supply of nutritious food from less land and using fewer inputs.

http://www.foodsecurity.ac.uk/index.html
How does this theme overlay to STFC Capability Areas?

GFS and Agri-Tech

HPC  Materials  Technology  Remote Sensing

STFC Food Network+

Food Innovation Network  GFS Cross Council Programme

Newton Fund  LEPs  SIN  Agri Centres  Catapults

Others…….
How does this theme overlay to STFC Capability Areas?

HPC
- Internet of things
- Big data
- Software Technologies
- ICT

Materials
- Biotech
- Food Science

Technology
- Robotics and automation
- UAV
- Sensors

Remote Sensing
- UAV
- Sensors
- Satellite Applications
Summary

• What is STFC
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• GFS RCUK
• STFC Capability
Questions

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