



The research commercialisation office of the University of Oxford, previously called **Isis Innovation**, has been renamed **Oxford University Innovation**

All documents and other materials will be updated accordingly.
In the meantime the remaining content of this Isis Innovation document is still valid.

URLs beginning www.isis-innovation.com/... are automatically redirected to our new domain, www.innovation.ox.ac.uk/...

Phone numbers and email addresses for individual members of staff are unchanged

Email : enquiries@innovation.ox.ac.uk

eHealth & Big Data



Isis Innovation & Oxford AHSN Technology Showcase



eHealth &
Big Data

Down to Earth

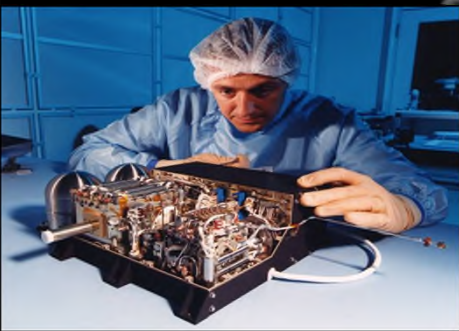
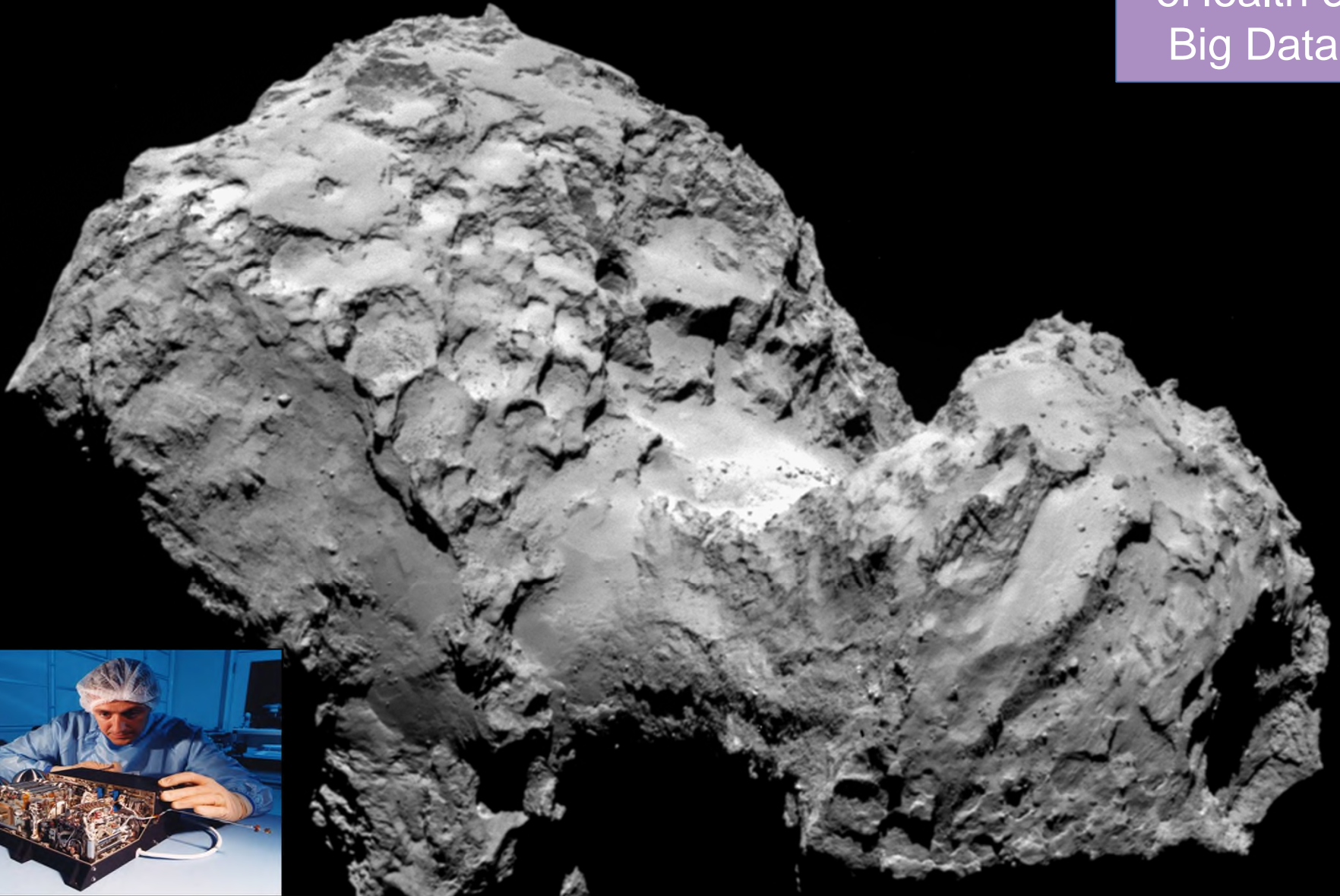
Dr Geraint Morgan FRAS MRSC

geraint.morgan@open.ac.uk

Rosetta : Ptolemy



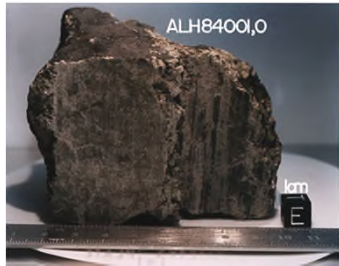
eHealth &
Big Data



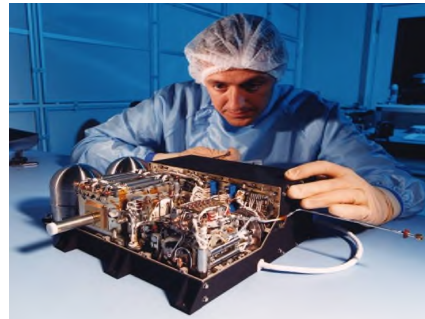
Technology Transfer



eHealth &
Big Data



STFC ESA Rosetta Mission



Beagle2, PhD studentships, Wellcome Trust
Strategic Translation Award, Contract
Research

- World-leading instrumentation
- Experienced multi-disciplinary team
- Partnerships



Submarine
Air Monitoring

Forensics

Flavours & Fragrance

Non-invasive
Disease &
Cancer
Detection

TB

Potable
Water

Satellite Propulsion

2013 Silver BAE Chairman's Award for Innovation



“A step change in a vital piece of safety equipment on board future Royal Navy submarines.”



“Rosetta is a great example of how our investment in big space programmes delivers a wide range of benefits for the UK. Not only do we get to explore our solar system and push the boundaries of science, but we reap the considerable economic and social benefits that new space technologies provide. It’s great to see the skills and technologies our scientists and engineers have developed for this mission being applied in other areas.”

Vince Cable (Business Secretary)

Healthcare



eHealth &
Big Data



- 120,000 men in the UK per year have a positive PSA test
- 80,000 of these men do not have cancer
- Our non-invasive test could save NHS > £64 million p.a.
- Validation with Oxford University Hospitals NHS Trust

Start-ups



eHealth &
Big Data



Innovate UK
Technology Strategy Board



Near real-time detection of
Bed Bugs
in hotels

Total investment secured: > £150,000



Oxford Micro Medical Ltd



Detection of ***Helicobacter pylori***
in the developing world using
the urea breath test

Total investment secured: > £300,000

Space2Health:

a roadmap from innovation towards adoption



- Personally experienced difficulties
- Aim is to provide others with a roadmap for support with funding, advice, guidance and education: from innovation to maximise their chances of adoption
- How do I know the way?
 - Formerly a LTN Business Fellow
 - ESA Business Incubation Centre
 - Innovate UK: Harwell Space Launchpads
 - Commercial Investment
 - Oxford AHSN (R&D Oversight Committee)
 - Adoption in to NHS is still a mystery



Opportunity



eHealth &
Big Data



Innovate UK
Technology Strategy Board

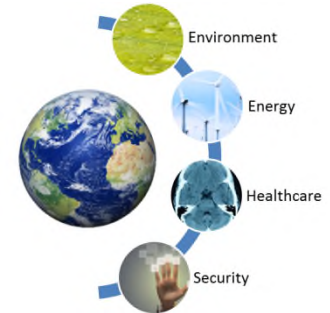


CATAPULT
Satellite Applications

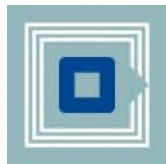


KTN
Space

Innovate UK
Technology Strategy Board



STFC Futures Global
Challenge Networks



KTN
Health



technology transfer programme



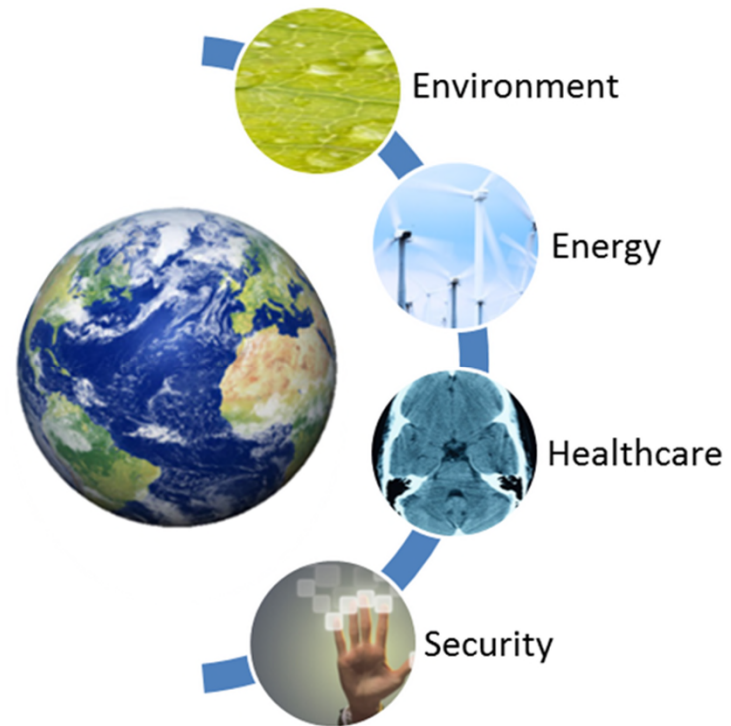
Global Challenges Programme



eHealth &
Big Data



Science & Technology
Facilities Council



Harnessing STFC science to provide solutions to Global Challenges

www.stfc.ac.uk/globalchallenges



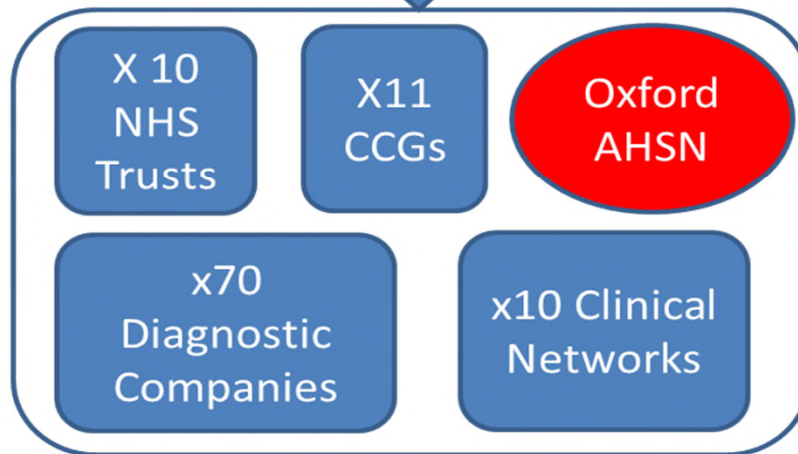
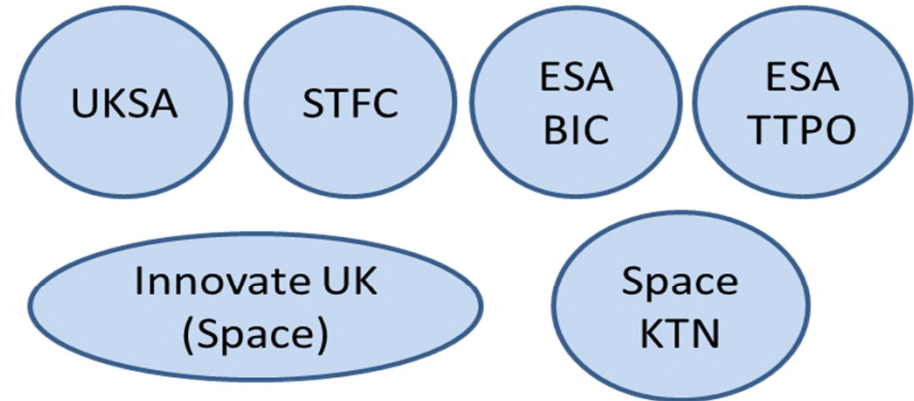
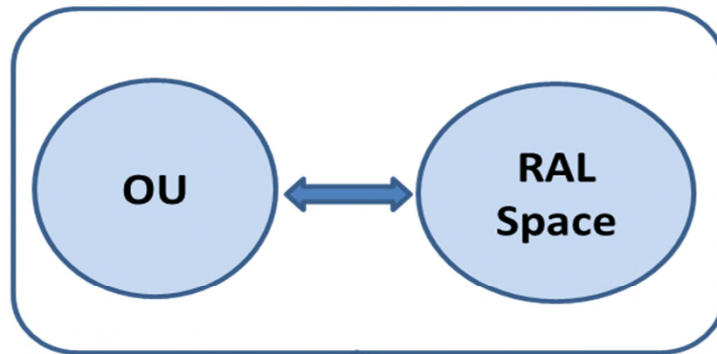
- Empowering the community to commission small pilot studies and projects aimed at meeting unmet user needs in one of the Global Challenge themes (Health)
- Providing added value to the network concept by enabling testing of new ideas that arise from the Network and act as an incentive for people to participate in the Network

Space2Health: Stakeholders

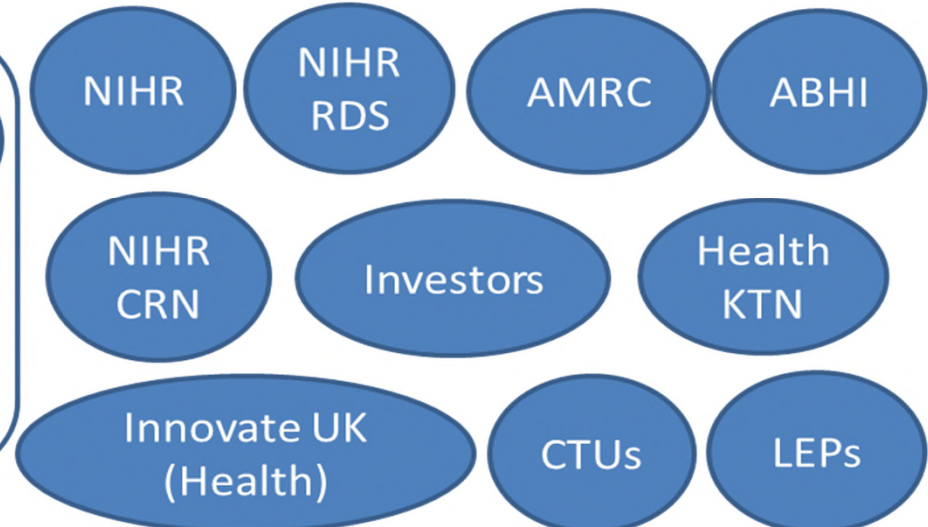


eHealth &
Big Data

Space



Health



Vision



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Big Data

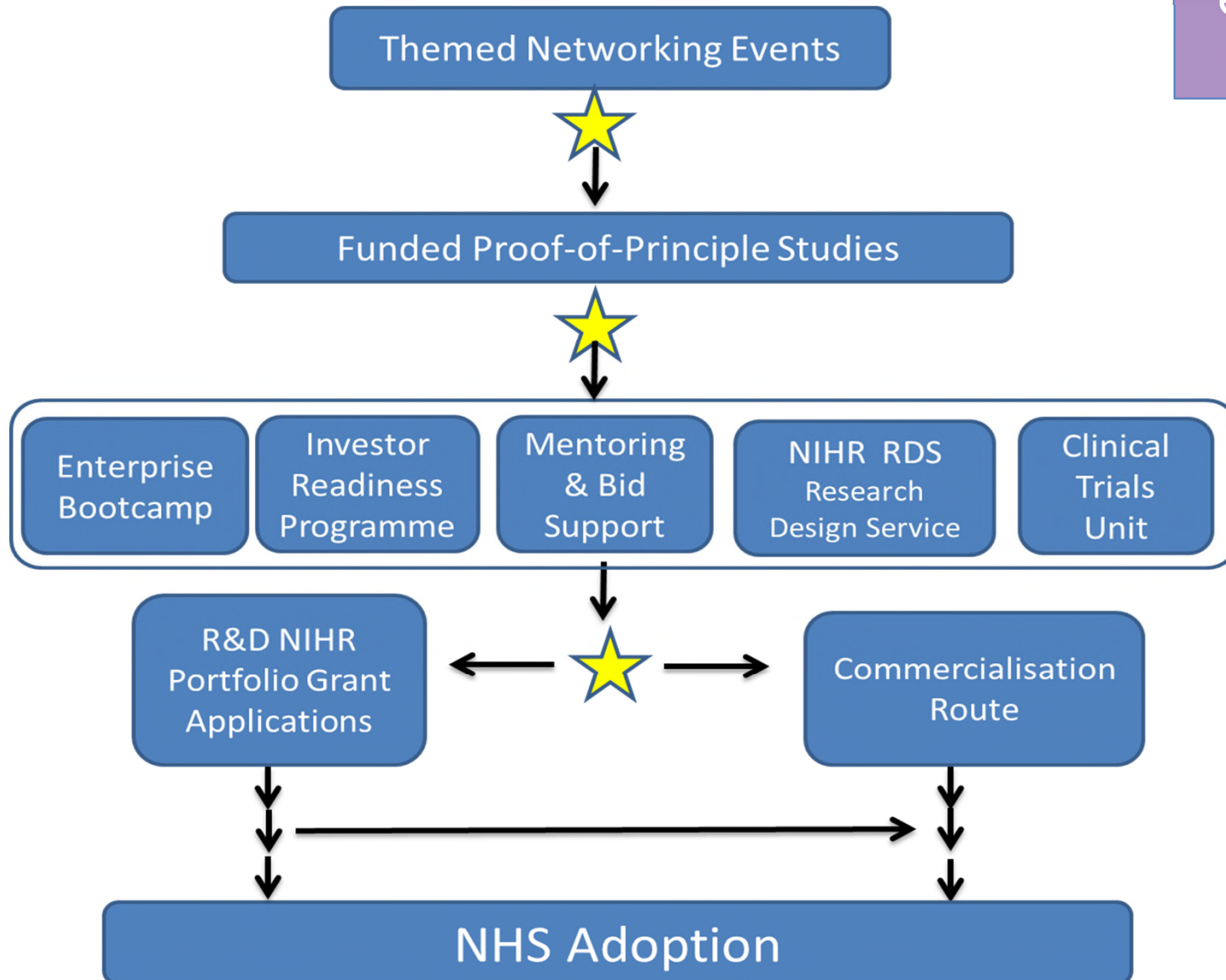
The project is designed to provide a rich and intensive support environment that allows novel ideas to be generated, captured, packaged and developed, through a process of tailored support, with the aim of leveraging future investments either through traditional R&D routes (NIHR portfolio grants) or via a commercial company.

The outputs will be a pipeline of coherent, investor-ready business cases of modest ambition, that will be affordable through existing funding mechanisms, such as those offered by Innovate UK that leverage external investment.

Project Delivery



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Follow-on Funding



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