



UK-China Research and Innovation Partnership Fund 中-英农业科技项目



Andy Shaw, Newton UK-China AgriTech programme team

Thematic Focus

Climate smart agriculture
气候智能农业



Dealing with pest and disease threats
处理病虫害的威胁

Sustainable intensification
可持续集约化



Precision agriculture **精准农业**

Enabling technologies
技术应用

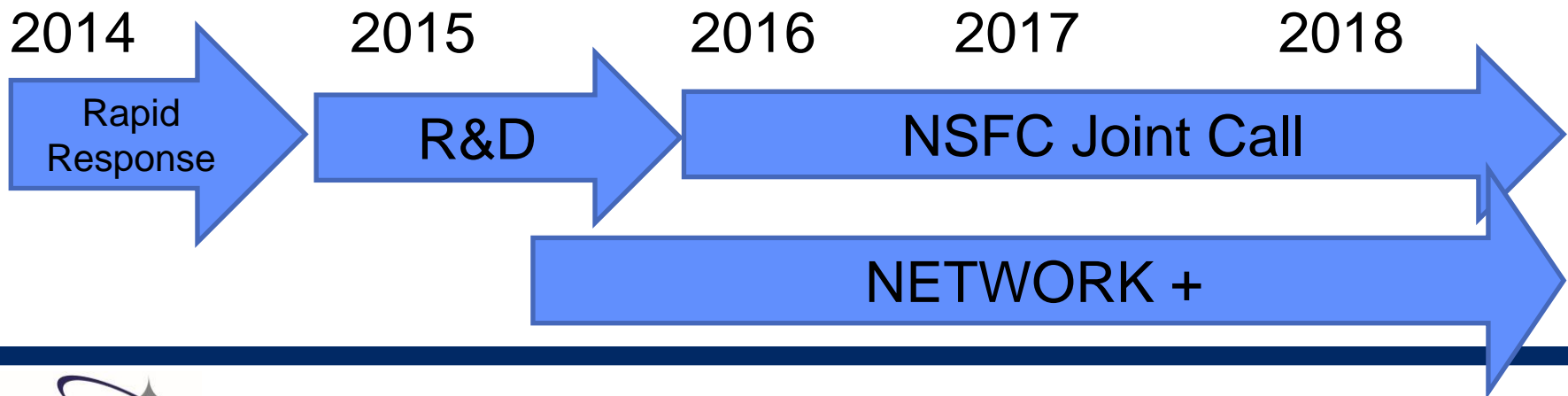


Space Data, Technology and Modelling Programme Focus

Utilising space based remote sensing technologies, data and modelling capabilities.

Overall UK programme Budget £13.5M over 5 years


- 2015 had 8 active projects – 7 R&D projects and a “Network+”
- Joint call with NSFC in 2016 - open call to match £4.5M UK budget, dedicated to space enabled remote sensing and precision agriculture in China



Selected joint call projects

UK PI	UK Institution	China PI	China Institution	Project Title
Philip Lewis	University College London	CHEN Zhongxin	Institute of Agricultural Resources and Regional Planning of CAAS	Regional crop monitoring and assessment with quantitative remote sensing and data assimilation
Zhenhong Li	Newcastle University	ZHAO Chunjiang	Beijing Academy of Agriculture and Forestry Sciences	Crop nutrition detection and decision support based multi-platform hyperspectral imaging (PAFiC: Precision Agriculture for Family-farms in China)
Simon Pearson	University of Lincoln	FANG Shibo	Chinese Academy of Meteorological Sciences	Synthesis of remote sensing and novel ground truth sensors to develop high resolution soil moisture monitoring in China and the UK
Belinda Luke	CAB International	HUANG Wenjiang	Institute of Remote Sensing and Digital Earth, CAS	Integrating advanced earth observation and environmental information for sustainable management of crop pests and diseases
Wen-Hua Chen	Loughborough University	LIU Gang	Beihang University	Enabling wide area persistent remote sensing for agriculture applications by developing and coordinating multiple heterogeneous platforms

Newton Opportunities - Agritech




The banner features a scenic landscape with tall pine trees and a field. On the left is the Rothamsted Research logo, which consists of a stylized green and yellow leaf shape above the text 'ROTHAMSTED RESEARCH'. On the right, the text 'Rothamsted Research' is displayed in a large, white, sans-serif font, with the tagline 'where knowledge grows' in a smaller font below it. A search bar is located in the top right corner of the banner area.

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China Agri-Tech in China: Newton Net

Agri-Tech in China: Newton Network+



A wide-angle photograph of a lush green tea plantation. The tea bushes are arranged in neat, curved rows that follow the contours of a hillside. In the background, there are rolling hills and a few small buildings under a clear sky.

Call for funding: OPEN

Applications are invited for: Pathfinder and Proof of Concept Awards
The next application deadline is: 12:00 (GMT), 31 October 2016

Call Documents

Pathfinder Awards

[Guidance for Applicants](#)

<https://www.rothamsted.ac.uk/international/international-partnerships/china/atcnn>