

Innovation China UK (ICUK)

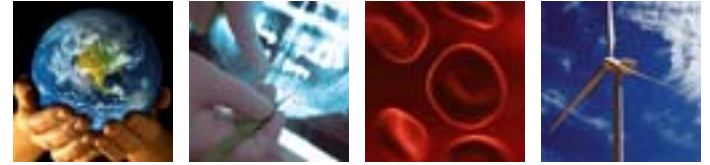
Knowledge Transfer between China and the UK

Manyi Cristofoli

ICUK Executive Director

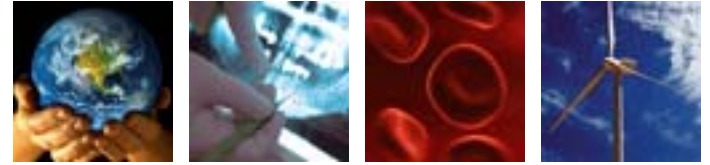
March 2008
Guangzhou China





What is ICUK?

- Innovation
- Collaboration
- Commercialisation



ICUK Overview

- The first China-UK knowledge transfer partnership promoting innovation through collaboration and commercialisation of joint research
- Awarded £5m (RMB70m) of HEIF3 funding
- A joint initiative between the HEFCE/DIUS and the Chinese Ministry of Science and Technology.



ICUK Partners

- Queen Mary, University of London (lead)
- King's College London
- Royal Veterinary College
- University of Nottingham
- University of Southampton
- Track record in UK-China collaborations

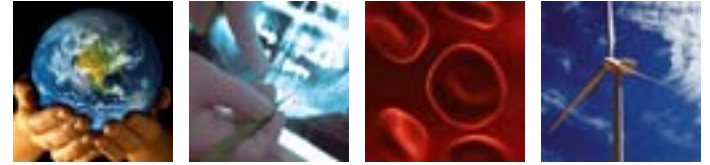
All Chinese research institutes are welcome to become ICUK Chinese partners

- Potentially open to more or possibly all English universities from the second year



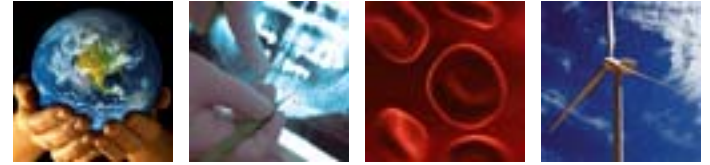
www.icukonline.org



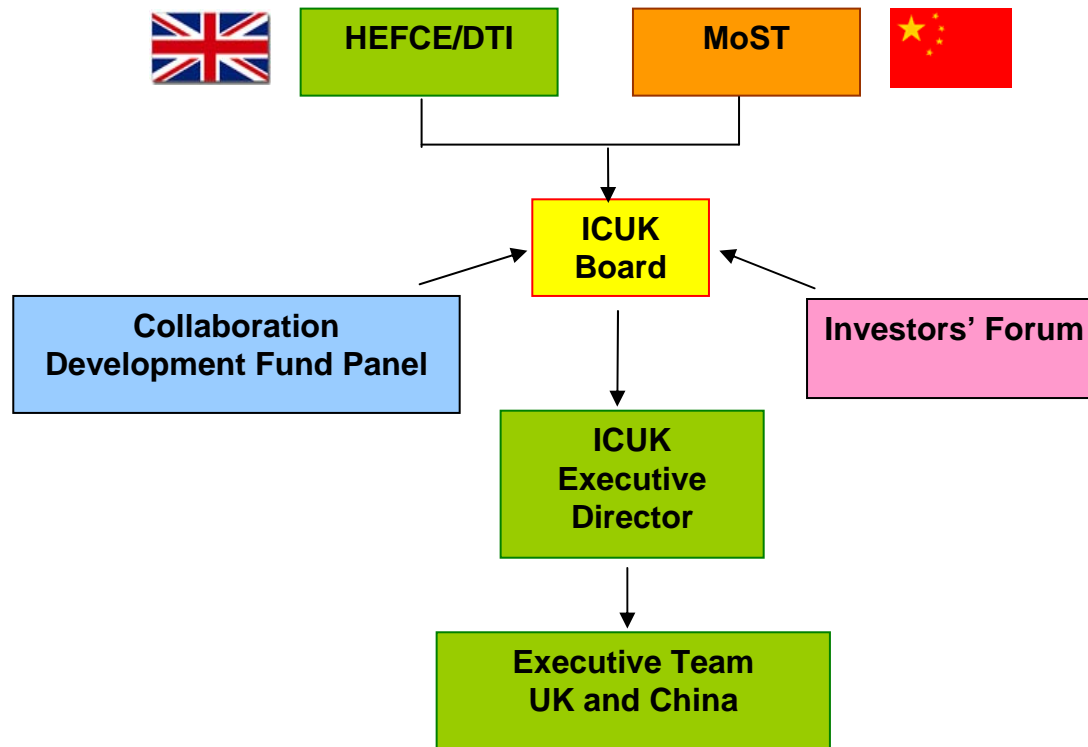


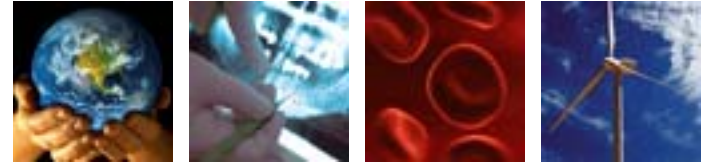
ICUK Activities

- **ICUK Collaboration Development Fund (£3m)**
 - Support staff exchange, feasibility studies and joint proof-of-concept research
- **ICUK Knowledge Network**
 - Regular events for technology showcasing
 - Web-based communication platform for knowledge exchange
- **Technology Transfer**
 - Joint IP development and exploitation framework agreements applicable to jointly funded projects
 - Investors' forum engaging private investors with potential ICUK projects and promoting technology-based start-ups for investment.

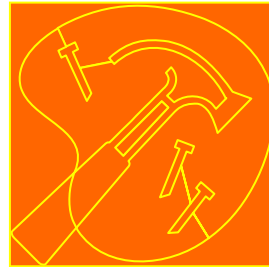


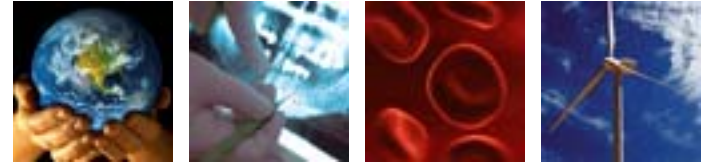
ICUK Governance





How Does ICUK Work?





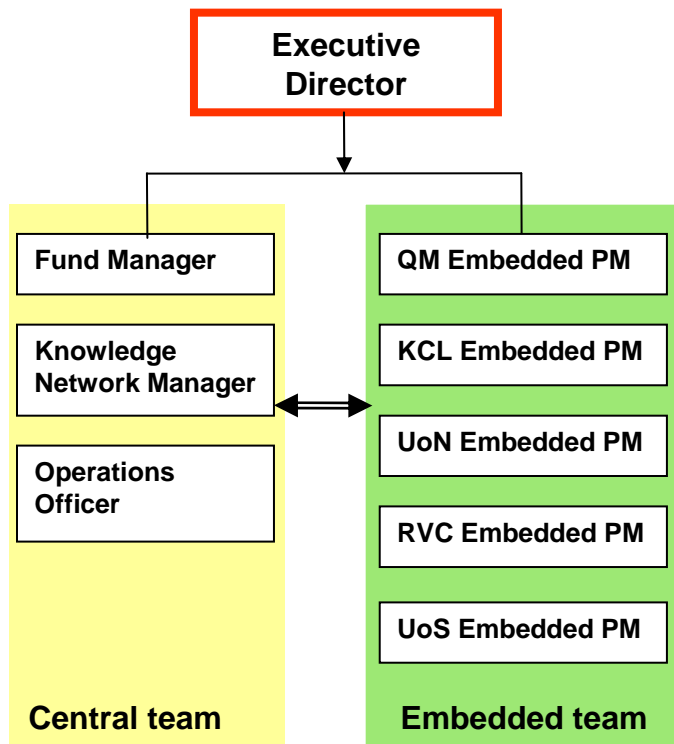
Focused Sectors:

- Clean and renewable energies
- Climate change, the environment and sustainable development
- Nano/materials science
- Space technology
- Infectious diseases
- Biomedicine and the modernisation of traditional medicines

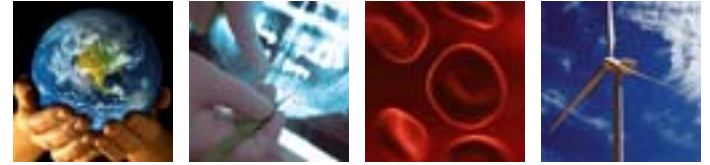
Knowledge areas prioritised by the UK and China



ICUK Operations



- Central team: fund management, knowledge network and operations
- Embedded team: assist academics in forging collaboration and applying for ICUK funding
- Joint projects build upon academics' existing connections and extend to newer and larger collaborations
- Leverage expertise of UK partners' knowledge transfer teams



ICUK Proof-of-concept Fund

- Reduces the risks involved in early-stage technology development
- Examples of the use of Proof-of-Concept Funding include:
 - Developing and evaluating commercial prototypes
 - Comparison with competitive products or services
 - Strengthening Intellectual Property Rights
 - Conducting market research on customer preferences
 - Incorporating external skills such as market researchers and product design
- Funding size: £70-90K per project, typical duration: 9 -12 months
- 13 applications have been accepted so far. Aim to call 3-4 times a year

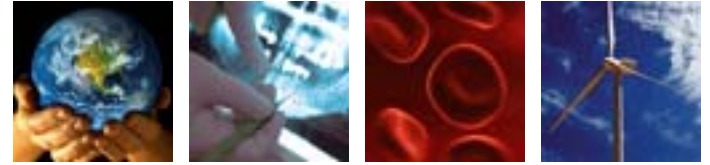
Proof of Concept Fund



概念验证基金



Innovation China UK
中英科技创新计划



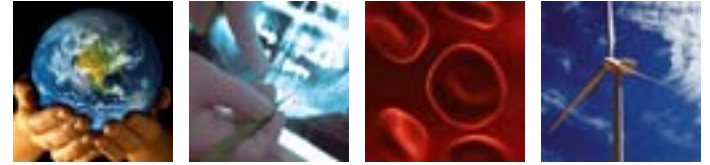
ICUK Partnership Grant

- £15K available to UK and Chinese collaborators
- Collaboration feasibility study:
 - partner search
 - travel/staff exchange
 - Small-scale/local workshop
- Commercial assessment (often carried out by external consultant):
 - To explore the possibility of process scale-up for transferring a technology into a product
 - To study current market acceptance to the proposed new technology/products /services
 - Joint event held in the UK or China
- Leading to PoC funding application, or other UK/China academic, commercial or NGO funding



ICUK Knowledge Network

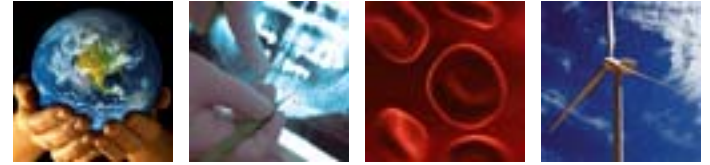
- Website www.icukonline.org
 - Online community portal for seeking or offering collaborations
 - Repository for key documents (funding application, criteria etc.)
- ICUK Event Calendar
 - 8 workshops on priority technologies
 - Initiated by partners working closely with the FCO Partnership-in-Science programme
- Regular Publications and Newsletters
 - On UK-China S&T policy, intellectual property protection and commercialisation
 - Disseminate lesson learnt among partners and beyond



ICUK Joint Deliverables

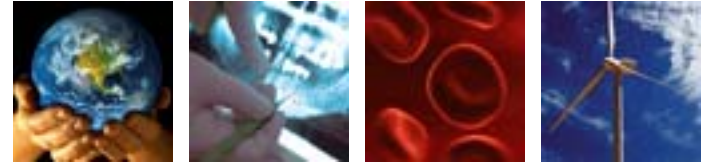
Activities		Deliverables		
ICUK Collaboration Development Fund		Year 1	Year 2	
(1)	Staff exchange/feasibility study (\leq £ 15k)	Applications	32	35
		Awards	24	26
(2)	Proof-of-Concept (£70-90k)	Applications	24	36
		Awards	12	18
(3)	No. of Academics engaged/exchanged through the development fund		60	80
(4)	No. of joint research papers submitted for publication		10	15
(5)	No. of UK businesses engaged in the projects		15	20
(6)	UK industry R&D expenditure generated/leveraged		200k	300k

Collaboration Development Fund Outputs



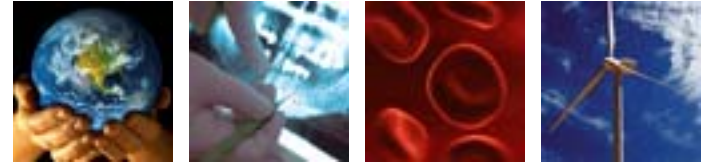
ICUK Documentation

- *ICUK Proof-of-Concept Funding Joint Application Form*
《ICUK 概念验证基金项目联合申请表》
- *ICUK Proof-of-Concept Fund Guidelines for Preparing an Application*
《ICUK 申请概念验证基金的说明 》
- *ICUK Proof-of-Concept Funding Criteria*
《ICUK 合作发展基金概念验证基金资助条件》
- *ICUK UK-China Partner Exploitation Agreement*
《ICUK 合作开发协议》
- *ICUK Proof-of-Concept Fund Confidential Disclosure Agreement*
《ICUK 概念验证基金保密协议》



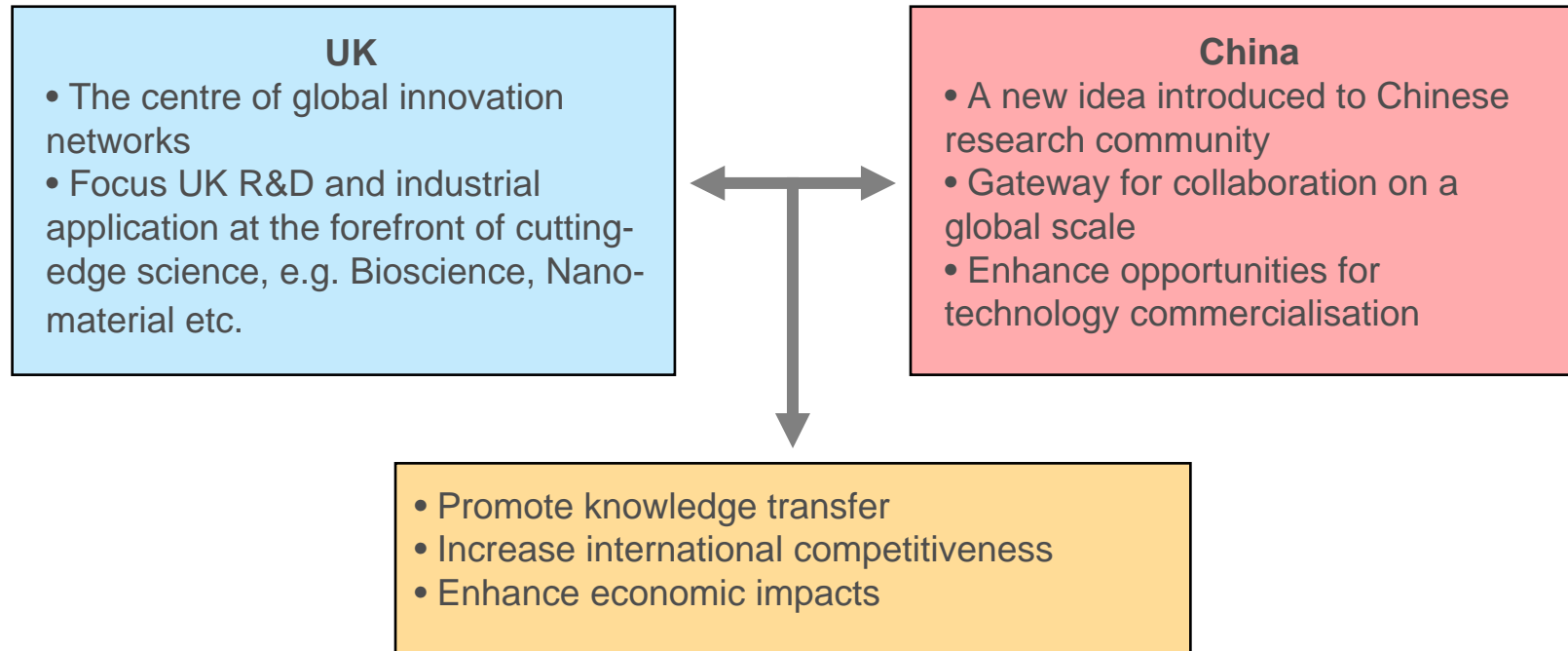
Strategic Benefits





“Innovative and Mutually Value-added”

Piloting joint proof-of-concept research





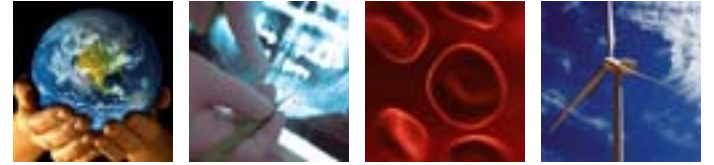
“Culturally Aligned”

- Appreciate differences in the systems and decision making process

- Flexibility



- Equal participation and benefit sharing



Thanks for Listening

感谢您的参与!