Innovation China UK (ICUK)

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ICUK Launch Ceremony  
November 2007
Outline

- What is ICUK?
- How does ICUK Work?
- First Call for ICUK Proof-of-Concept Fund
- Strategic benefits of ICUK model
What is ICUK?
ICUK Overview

- The first UK-China knowledge transfer partnership promoting innovation through collaboration and commercialisation of joint research
- Awarded £5m of HEIF3 funding
- A joint initiative between the HEFCE/DIUS and the Chinese Ministry of Science and Technology.
- Supporting five UK HEIs and more than twenty Chinese research institutes in collaborative research, knowledge networking and technology transfer
ICUK UK Partners

- Queen Mary, University of London (lead)
- King’s College London
- Royal Veterinary College
- University of Nottingham
- University of Southampton
ICUK Chinese Partners

All Chinese research institutes in universities and research academies are welcome to become ICUK Chinese partners. Examples of partners are:

- Chinese Academy of Science (over 5 institutions), Tsinghua University, Beijing University of Aerospace and Aeronautics, Fudan University, Shanghai Jiaotong University, China Ocean University China, Nanjing University, University of Science and Technology China, Xi'an Jiaotong University
ICUK Activities

- **ICUK Collaboration Development Fund**
  - Support staff exchange, feasibility studies and joint proof-of-concept research

- **ICUK Knowledge Network**
  - Regular events for technology showcasing
  - Web-based communications 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 Structure

- HEFCE/DTI
- MoST
- Collaboration Development Fund Panel
- Investors’ Forum
- ICUK Executive Director
- Executive Team UK and China
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
- Over 30 potential collaborative projects have been identified through early consultation
- Joint projects build upon academics’ existing connections and extend to newer and larger collaborations
- Leverage expertise of UK partners’ knowledge transfer teams
ICUK Collaboration Development Fund

- ICUK Collaboration Development Fund
  - £3m plus complementary funding from MoST
  - Partnership Grant – support staff exchange and feasibility studies
  - Proof of Concept Fund – support joint R&D to reduce the risks for early-stage commercialisation

- ICUK funding available to UK academics and grants available to Chinese academics from MoST China

- Potential to open ICUK fund to more or possibly all English HEIs from the second year of HEIF3 funding (October 2008).

www.icukonline.org
## ICUK Joint Deliverables

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

www.icukonline.org
ICUK Knowledge Network

- **Website** [www.icukonline.org](http://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
    - clean energy, TCM, nano-material, infectious disease
  - 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 Knowledge Network logo]
First Call for 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

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Funding Procedure

- First deadline for submitting applications: 8th January 2008
- Application form, guideline and funding criteria are available on www.icukonline.org
- First award results by the 30th January 2008

www.icukonline.org
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》

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Strategic Benefits
“Innovative and Mutually Value-added”

Piloting joint proof-of-concept research

UK
• The centre of global innovation networks
• Focus UK R&D and industrial application at the forefront of cutting-edge science, e.g. Bioscience, Nano-material etc.

China
• A new idea introduced to Chinese research community
• Gateway for collaboration on a global scale
• Enhance opportunities for technology commercialisation

• Promote knowledge transfer
• Increase international competitiveness
• Enhance economic impacts

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“Culturally Aligned”

- Appreciate differences in the systems and decision making process
- Flexibility
- Equal participation and benefit sharing
The End
Thanks for Listening

感谢您的参与！