

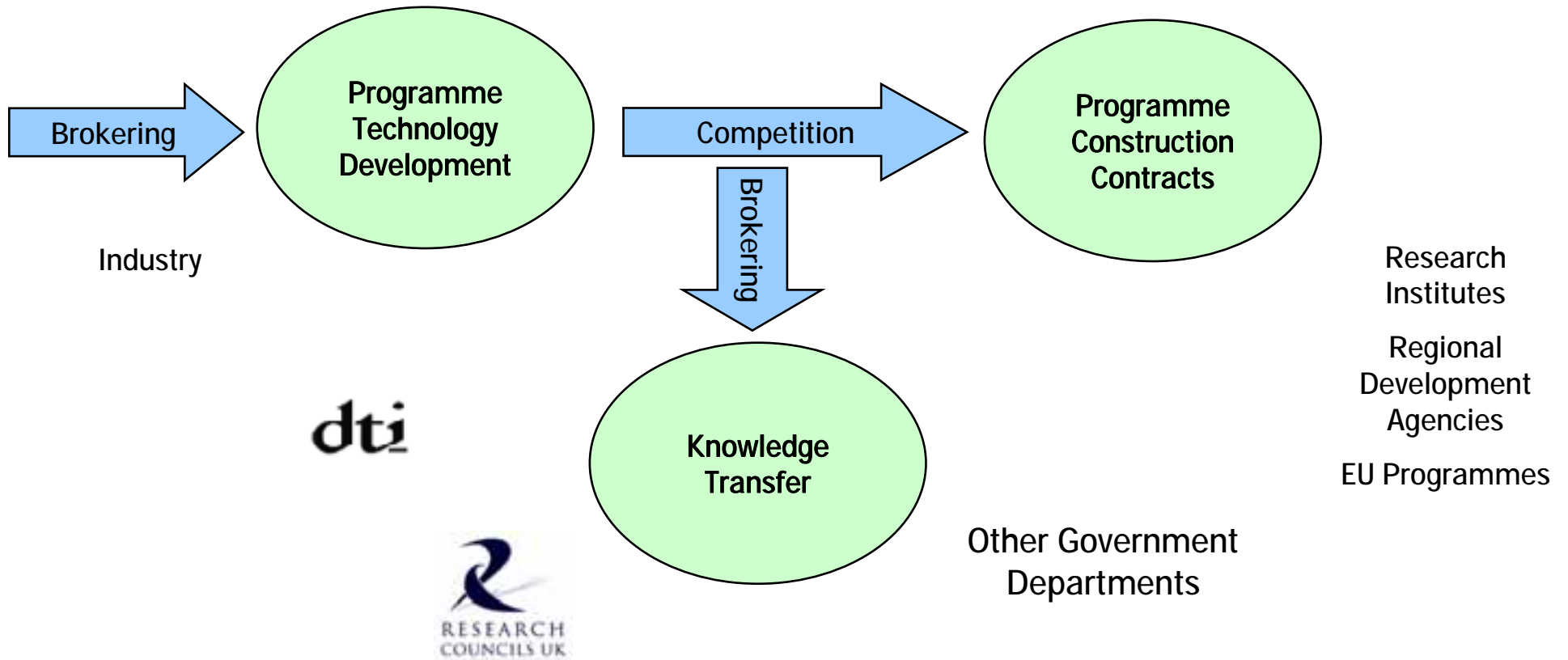
***A Joined-up Approach to
Scientific Research Facilities***

Nathan Hill

**KITE Club Innovation Advisors
CERN UK Technology Transfer Officer
nathan.hill@qi3.co.uk
+44 (0)1223 422405**

**CERN Magnet Symposium
7-8 June 2006**

PPARC Industry Engagement Map



PPARC Industry Engagement Strategy

- Spread technologies to broader market areas:
 - Through industry & interdisciplinary collaborative research
 - By supporting entrepreneurial activity in our community
- Support UK academic and industrial leadership in the PPARC programme through Programme Technology Development

Working with CERN

- People
 - CERN Departments, TT unit, Procurement group
 - National Industry Liaison Officers (ILO) and Technology Transfer Officers (TTO)
- Modes of collaboration
 - Sales (procurement contracts)
 - Collaborative Technology Development
 - Technology and Knowledge Transfer: Licensing, contract R&D, collaborative R&D, consultancy
- Information
 - Procurement – quarterly requirements bulletin available on CERN web site. ILOs will research requirements and notify you of opportunities e.g. UK has a notification service.
 - Knowledge Transfer: Selected opportunities published in quarterly requirements bulletin, TTOs will support you on request and be proactive in selected themes. e.g. PPARC KITE Club workshops, technology surveys
- e.g. UK support – Ian Stagg (ILO), Alex Efimov & Nathan Hill (TTO)

Working with ESA

- People
 - ESA Departments, Missions, ESTEC, TT unit, Procurement group
 - National Space Agencies/Organisations and Research Councils
- Modes of collaboration
 - Sales (procurement contracts)
 - Collaborative Technology Development
 - Technology and Knowledge Transfer: Licensing, contract R&D, collaborative R&D, consultancy, spinout formation
- Information
 - Procurement – EMITS notification service. Extensive documentation of technology requirements through ESTMP dossier zero (European Space Technology Master Plan), harmonisation documentation and at EU European Space Technology Plan. Staff in space agencies / organisations will help you.
 - Knowledge Transfer: ESA has a TT function and web site and a European network of TT officers
- e.g. UK support – Dave Parker (BNSC), Ravi Rathod & Nathan Hill (TTO)

KITE Club Innovation Advisory Service Activities

- Active support from specialist Innovation Advisors for partnerships, projects and funding
- Sector support:
 - Healthcare & Life Science Technology
 - Security, Defence, Aerospace & Space
 - Information and Communication Technologies + Software (ICT)
 - Instrumentation & Research Facilities
 - Plus others – e.g. computer games, financial services
- Workshops and business briefings programme
- Publicity and technical publications
 - KITE Club web site
 - *Frontiers* magazine
 - KITE Club newsletter / Technology & Industry News
- Support for entrepreneurship
 - Individual support
 - Funding and skills

Research Facilities Special Interest Group

- A new activity within the UK Sensors Knowledge Transfer Network
- Joining up agency approaches to industrial engagement with scientific Research Facilities:
 - As a global market, buying instrumentation, infrastructure and services from industry
 - As a source of people, technology and facilities to support wealth creation through Knowledge Transfer
 - As a partner for collaborative technology development
 - As a network addressing supply chains, EU and international issues
- First steps: launch event and community directory
- See www.qi3.co.uk/sktn for details

Some Issues (a personal perspective)

- Rising to the challenge of the next generation of Research Facilities
- Cryocooler Technology

Thank You

- Tel: +44 (1223) 422405
- Email: nathan.hill@qi3.co.uk
- Web: www.pparc.ac.uk/In/intro.asp
- Web: www.qi3.co.uk/sktn