



Science & Technology
Facilities Council

Cryogenic Technologies Workshop

October 23rd 2008

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External Knowledge Exchange
Programme Manager



- The STFC is one of seven national research councils in the UK.
- Annual budget is around £700m:
 - funds the best research within in astronomy, nuclear and particle physics;
 - enables the research community to have access to the best facilities in the world;
 - increases the UK technology capability, engagement with industry and knowledge transfer.



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The STFC

Knowledge Exchange Directorate

The STFC was formed on 1 April 2007 by the merger of the Particle Physics and Astronomy Research Council (PPARC) and the Council for the Central Laboratory of the Research Councils (CCLRC)

The KED was set up in April 2007 as a product of the merger

It combines the PPARC TEG group which ran technology grants for university based groups and CLIK the technology exploitation group of the CCLRC



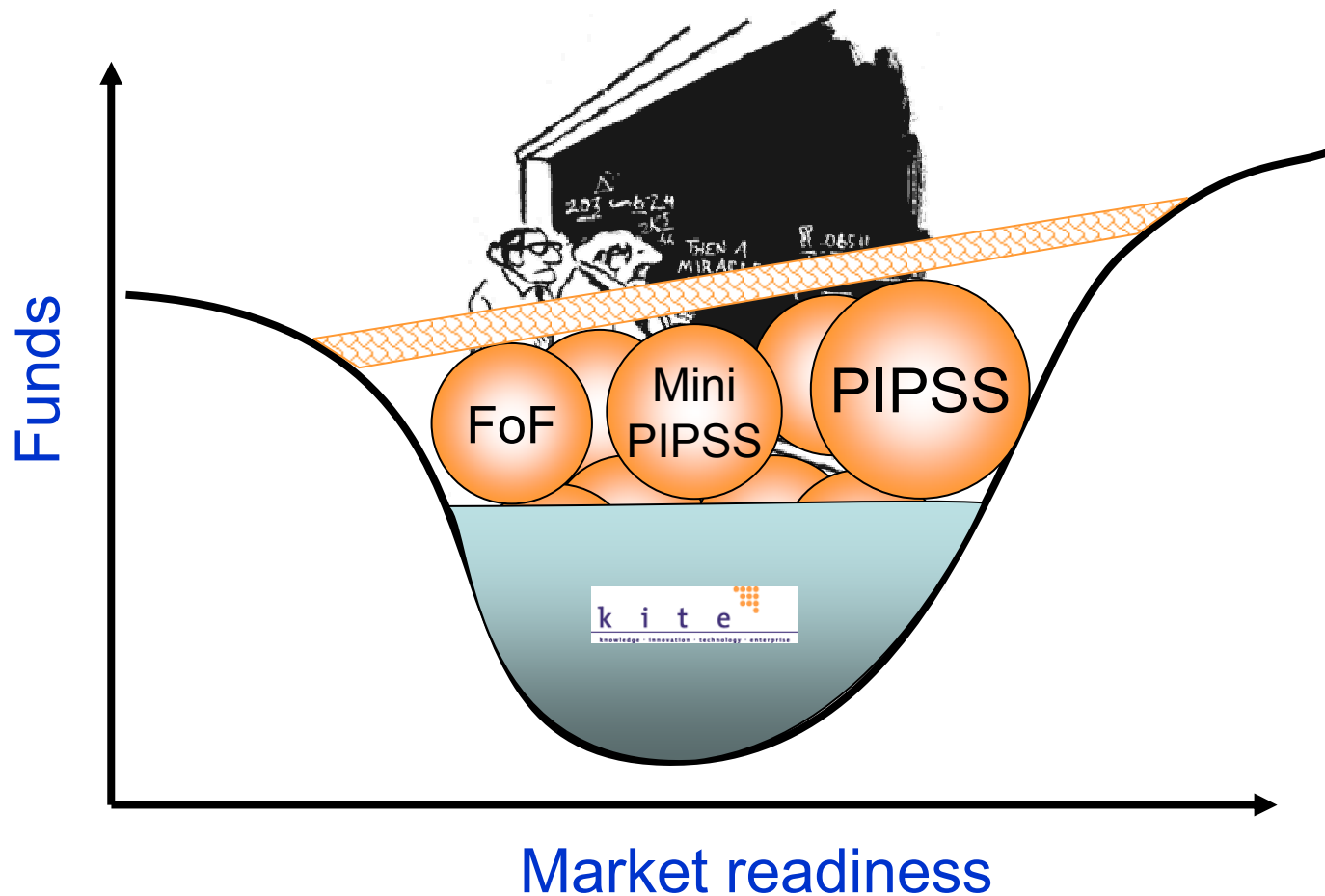
Spread technologies to broader market areas:

- Through industry & interdisciplinary collaborative research
- By supporting entrepreneurial activity in our community

Support UK academic and industrial leadership in the STFC programme through Programme Technology Development



Bridging the Valley of Death

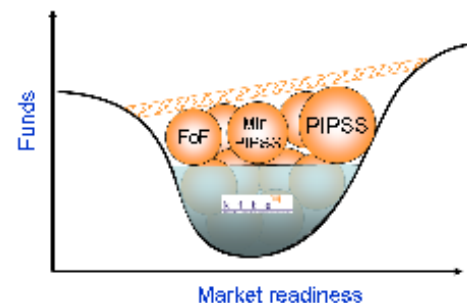




The STFC KED

helps to overcome the following problems

- High costs of establishing a partnership
- Differences between scientific and business cultures
- Insufficient level of market level readiness
- Lack of skills and experience
- Equity gap





10:45-11:15	Overview of cryogenic technologies at CERN	Johan Bremer, CERN
11:15-11:45	The cryogenics of MRI systems	Rodrigo Ormeno, Siemens Magnet Technology Ltd
11:45-12:15	Cryox Ltd, a vehicle for commercialising cryogenic technology	John Vandore, Cryox Ltd
12:15-13:15	Working lunch and networking	
13:15-13:45	Cryogenic technologies from CERN: opportunities for technology transfer	Emir Sirage, CERN TT
13:45-14:15	Cryogenic technologies for astronomical instrumentation	Dave Melotte, UK Astronomy Technology Centre
14:15-14:45	Current and future requirements for cryogenic technologies at Daresbury Laboratory	Shrikant Pattalwar ASTeC Daresbury Laboratory
14:45-15:00	Knowledge transfer through collaborative development: STFC support and routes to funding	Alex Efimov, STFC
15:00	Close, refreshments and networking time	