Technology Transfer Programme Office
Lines of Support vs Innovation Chain

- **Awareness programme**
  - Web-Site
  - Events
  - Broker Network

- **Support for R&D**
  - Transfer Demonstrator Programme

- **Business Incubation**
  - 4 ESA-BIC Incubators

- **Funding**
  - Investment Forums
  - Open Sky Technology Fund

- **Generation and concept**
- **Validation and demonstration**
- **Completion and operation**
Concentrating Photovoltaics with Triple Junction GaAs Solar Cells
Space Systems
Improving Efficiency of Solar Power
Saving fuel with smart vehicles and smart driving
Tracking your Carbon Footprint
MEMS sensors to protect oil rigs from dangerous gases
Space Sensors reduce emissions from Heating Systems
Monitoring of Offshore Oil and Gas Fields
Detection of Natural Resources using Gradiometers
Monitoring of Heavy Mining Machines
Optimisation of Windmill Efficiency
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  - Technology Fund
1. Inasmet-Tecnalia, Spain – Multifunctional structure technology
2. Imperial College London, UK – Technology developed for high performance space science magnetometers
3. FormTech GmbH, Germany – Technology originally developed for hydrazine storage vessels for Ariane V
4. Omnidea Lda, Portugal – Technology developed under ESA contract for high pressure gas vessels Stam s.r.l.
5. Genova, Italy – Innovative gearbox technology developed in part for a soil measurement instrument
6. Max-Planck-Institut für extraterrestrische Physik, Germany – Plasma generation technology developed for the International Space Station
7. IMMG S.A., Greece – Multifunctional cellular sandwich panel technology validated under ESA contract
8. SciSys Ltd, UK – Software developed for automatic mission decision making
9. CSEM, Switzerland. Technology originally developed for the ESA Long Term Survey System.
10. COSINE Science & Computing BV, The Netherlands – Technology originally developed for the Astrolab mission
Selected Activities of the Technology Transfer Programme Office

ESA Business Incubations Centres (BICs)

1. Four ESA BICs operational in Germany, Italy and the Netherlands
2. Longest Established at ESTEC. As at end of 2008, 49 companies “graduated”
3. Selected companies receive technical, managerial and financial support.
4. Linked to the European Union ESINET network
5. A new ESA BIC is planned for Harwell, UK in partnership with STFC as part of the International Space Innovation Centre. Target of 10 new companies a year.
Open Sky Technology Fund

1. Private/ESA Investment Fund
2. First round closed spring 2010 with €15 Million
3. Targeting companies using space-related technologies or satellite applications in non-space applications
4. Operated by Triangle Venture Capital Group
5. Contact b.geiger@triangle-venture.com

ESA Investment Forums 2010

1. Opportunity for space originated/related companies to pitch for investment
2. 20 May, Stuttgart, Germany
3. 5 October, Milan, Italy
A few points to (re-) consider

1. Innovation – and no less for technology innovation - is a people business.

2. Our job is not to innovate but to create the conditions for innovation.

3. Technology advance has spin-offs with innovation in areas that are beneficial to society and often unforeseen.
Thank you for your attention

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