

Valuation of Intellectual Property in Tekes Decision Making

Riikka Heikinheimo
Executive Director, Research Funding
National Technology Agency, Tekes

Intellectual Property as an Economic Asset:
Key Issues in Exploitation and Valuation

Berlin, 30 June and 1 July 2005



DM152552 06-2005
Copyright©Tekes

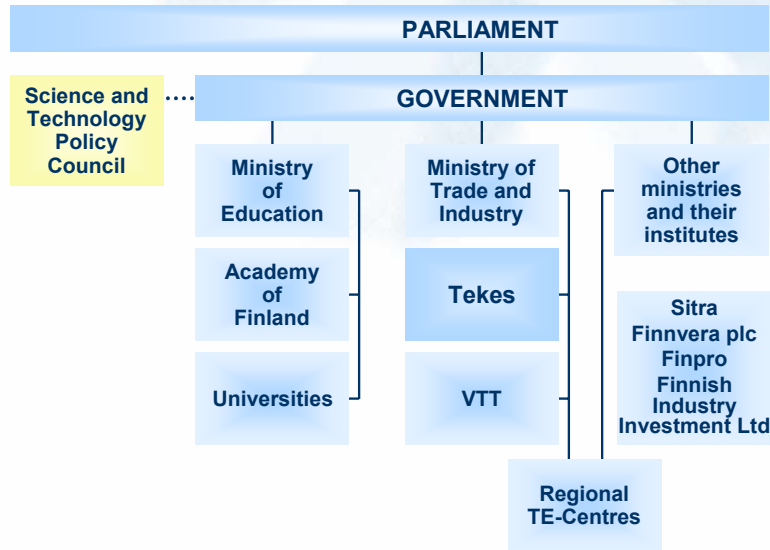
Valuation of Intellectual Property in Tekes Decision Making

- Tekes in a Nutshell
- General Criteria for Funding
- Examples of Tekes Initiatives in relation to patenting



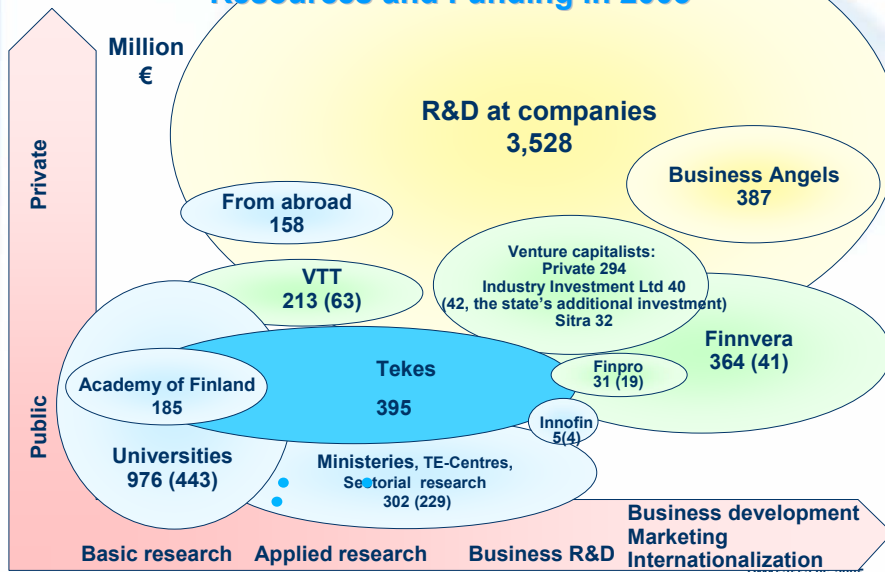
DM152552 06-2005
Copyright©Tekes

Public Sector Activities of R&D in Finland



DM152552 06-2005
Copyright©Tekes

Finnish Innovation System Resources and Funding in 2003



DM152552 06-2005
Copyright©Tekes

Tekes Mission Statement

Tekes' primary objective is to promote the competitiveness of Finnish industry and the service sector by technological means.

Activities aim to diversify production structures, increase production and exports, and create a foundation for employment and societal well-being.



DM152552 06-2005
Copyright©Tekes

Volume of Project Funding Activities

- Year 2004 Tekes granted funding of €409 million to a total of 2.242 R&D projects
 - €172 million to academic research (778 projects)
- The Tekes projects that ended in 2004 created
 - 770 new or replaceable products or services
 - 190 production processes
 - 730 patent applications or granted patents
 - 1000 academic theses
 - 2.500 publications
- Funding for projects
 - Tekes covers about 50% of the eligible costs
- Evaluation is done by teams with appropriate expertise
- Continuous open call for proposals
 - Top down activities (based on strategy) eg. Technology programmes: call open once a year



DM152552 06-2005
Copyright©Tekes

Valuation of Intellectual Property in Tekes Decision Making

- Tekes in a Nutshell
- General Criteria for Funding
- Examples of Tekes Initiatives in relation to patenting



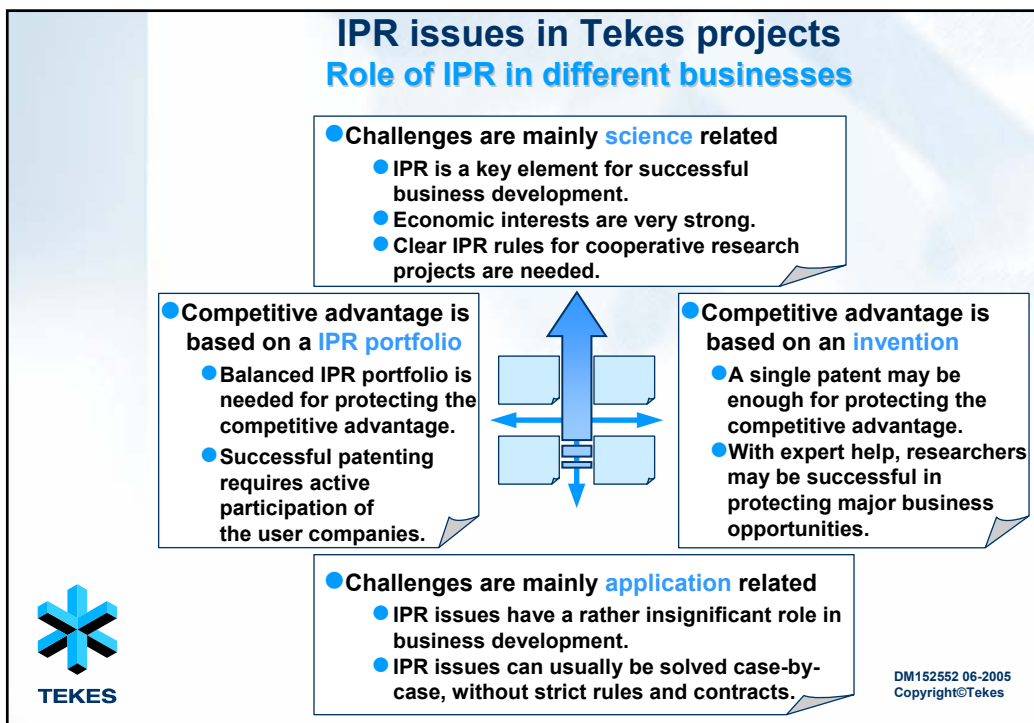
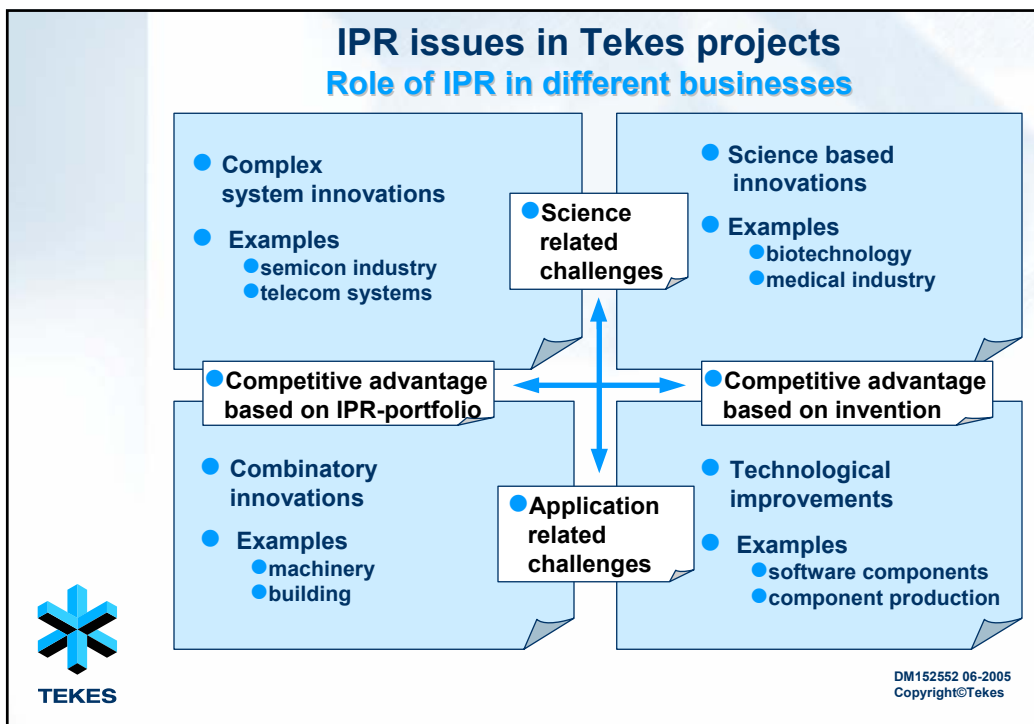
DM152552 06-2005
Copyright©Tekes

General Evaluation of R&D Projects

1. Targeted technology-based business, volume and profitability
*The impact of the project on company's business development should be as large as possible
2. Technology, innovation and know-how to be developed
* Scientific challenge and novelty of technology including development of know-how
3. Available resources
* Availability and sufficiency of appropriate resources
4. Cooperation to be developed and utilised
* Diffusion of knowledge through networks and other forms of co-operation
5. Impacts on well-going of society and environment
* Improvement of the environment and living conditions of citizens
6. Impact of Tekes financing
* Holistic view on projects, company and business
* Evaluation is made in comparison with other proposals
* Indirect effects in other organisations are taken into account



DM152552 06-2005
Copyright©Tekes



Valuation of Intellectual Property in Tekes Decision Making

- Tekes in a Nutshell
- General Criteria for Funding
- Examples of Tekes Initiatives in relation to patenting



DM152552 06-2005
Copyright©Tekes

Tekes' Technology Programmes

- Programmes are launched in areas thought to be vital to the future of competitiveness, and research in Finnish industry.
- Programmes reinforce the national knowledge base, promote the renewal of business and industry and enhance cooperation between companies, research organisations and public sector.



DM152552 06-2005
Copyright©Tekes

Tekes' Technology Programmes in Biotechnology

- Diagnostics 2000
- Innovation in Foods 2001-2004
- Drug 2000 - Biomedicine, Drug development and Pharmaceutical technology 2001-2006
- Neo Bio - Novel Biotechnology 2001-2005
- COMBIO - Commercialisation of Biomaterials 2003-2007

- Examples of Tekes Initiatives
 - *Basic course in patenting*
 - Designed for academic PI's
 - Also some start-up companies attended
 - Repeated 3 times during 2002-2005

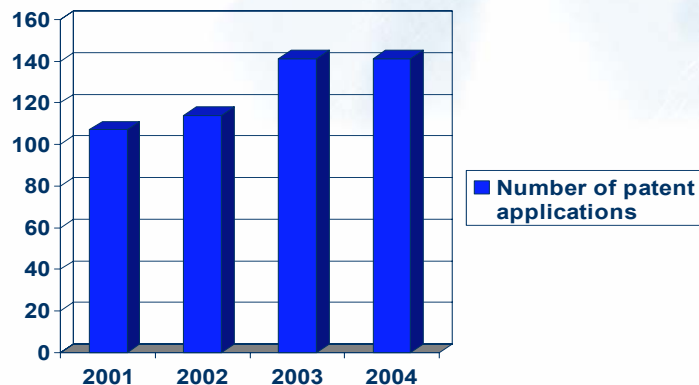
 - *Workshop on "Value-driven Project and Portfolio Management"*
 - For start-up companies
 - Bio Science Valuation BSV GmbH
 - Repeated 2 times during 2004-2005



DM152552 06-2005
Copyright©Tekes

Number of Patent Applications in projects ended during the year indicated

Academic projects



DM152552 06-2005
Copyright©Tekes

Thank you!

Riikka Heikinheimo
riikka.heikinheimo@tekes.fi
Tekes, National Technology Agency
P.O. Box 69, FI-00101 Helsinki, Finland
Mobile phone +358 50 5577 887



DM152552 06-2005
Copyright©Tekes