

Welcome to CITRIS in Europe meeting June 20–21, 2006, Helsinki



**Dr. Martti af Heurlin
Deputy Director General, Tekes**

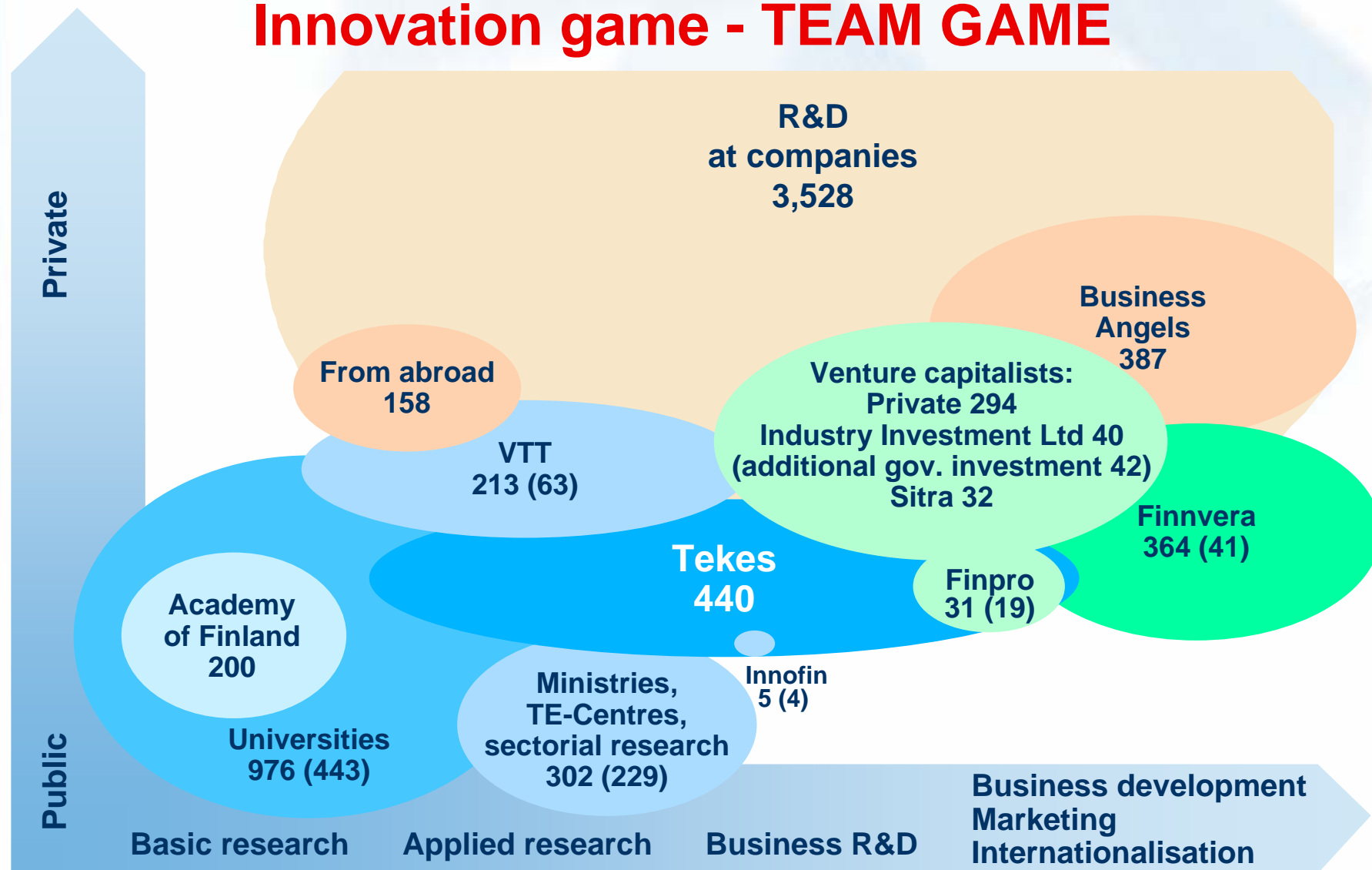
Business environment – Finland vs. USA

| | FIN | USA |
|-----------------------|-------------------|------------------|
| • R&D/GPD % | 3,5 | 2,6 |
| • R&D Bill.€ | 5,4 | 312 |
| • GDP per cap USD | 31.000 | 40.000 |
| • Population Mill | 5 | 260 |
| • Age over 65 y | 16% | 12% |
| • Foreign born | 3% | 12% |
| • Temp forecast today | 28 C (HEL) | 24 C (LA) |



Key players of innovation environment in Finland

Innovation game - TEAM GAME

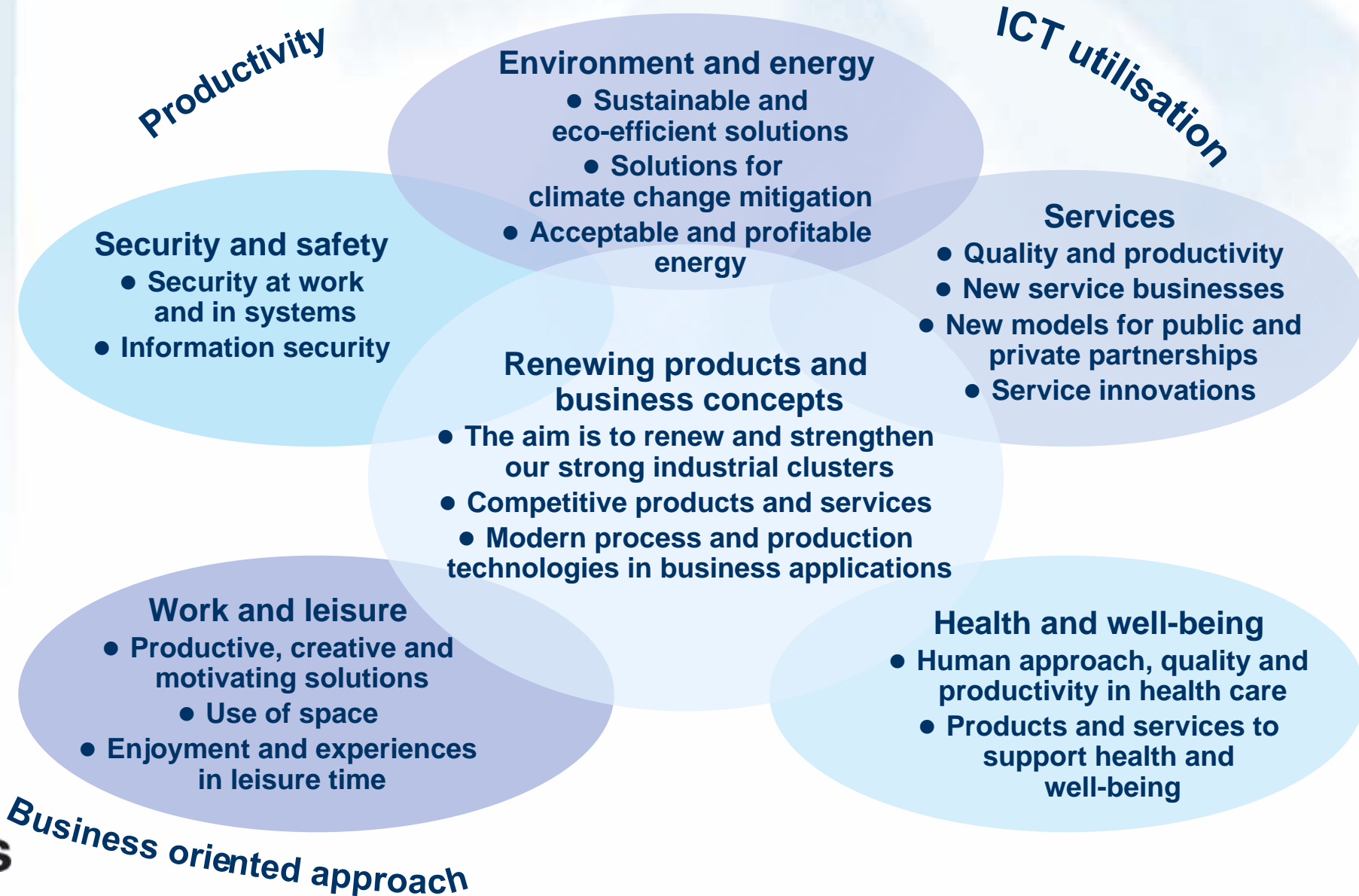


The figures represent the total extent of each organisation in million euros in 2004. In parenthesis the share that is funded from the State budget. The funds of Tekes, the Academy of Finland and Innofin are funded entirely from the State budget.



It is important to make strategic choices

Application Focus Areas – built together with customers



It is important to make strategic choices

Technology Focus Areas – built together with customers

Business competence and business development

- Innovation activities
- Business renewal
- Growth companies and internationalisation
- Customer-oriented approach
- Managing a networked business
- Knowledge management
- Service business

ICT

- Mobility
 - Broadband communications
- Software-intensive products and systems
 - Knowledge and content management
- Test environments for new applications and services

Biotechnology

- Systems biology
- Bioprocess technology
- Combining biosciences with ICT

Nanotechnology

- Innovative nanostructured materials
- New structures for nanoelectronics
 - Nanosensors and actuators

Materials technology

- Interdependencies between properties, structures and production
 - Surface phenomena
 - Materials design



The strategy is implemented with national technology programmes

- 20 on going programmes 2006
with a total cost of 1.3 billion euros
- Some 10% of total Finnish R&D (private and public)...
... the dynamic ... the strategic part
- Each programme typically lasts 4-5 years
- 2,000 company participations annually
- 800 research unit participations annually
- Programmes are a unique gateway to Finland...
... a unique platform for international co-operation



TeKes' Int'nal Networks – from Research to Business

Less than 1% of global R&D in Finland



Tekes overseas offices

Five international offices build international cooperation with Tekes' technology programmes and strategy work

- Five offices located in the global technology hot-spots in USA, Japan and China
- Brussels office linking EU and Finnish national R&D programmes
- Permanent staff of 15 technology experts
- Additional short term project personnel



The sun never sets down in Tekes



Tekes

A New Innovation Center to Silicon Valley

- **Partners:**
 - **Tekes, Finpro, Sitra, Academy of Finland and VTT**

- **Innovation center promotes:**
 - **Researcher mobility (inward/outward)**
 - **Finnish companies' entry into foreign markets – SME's**

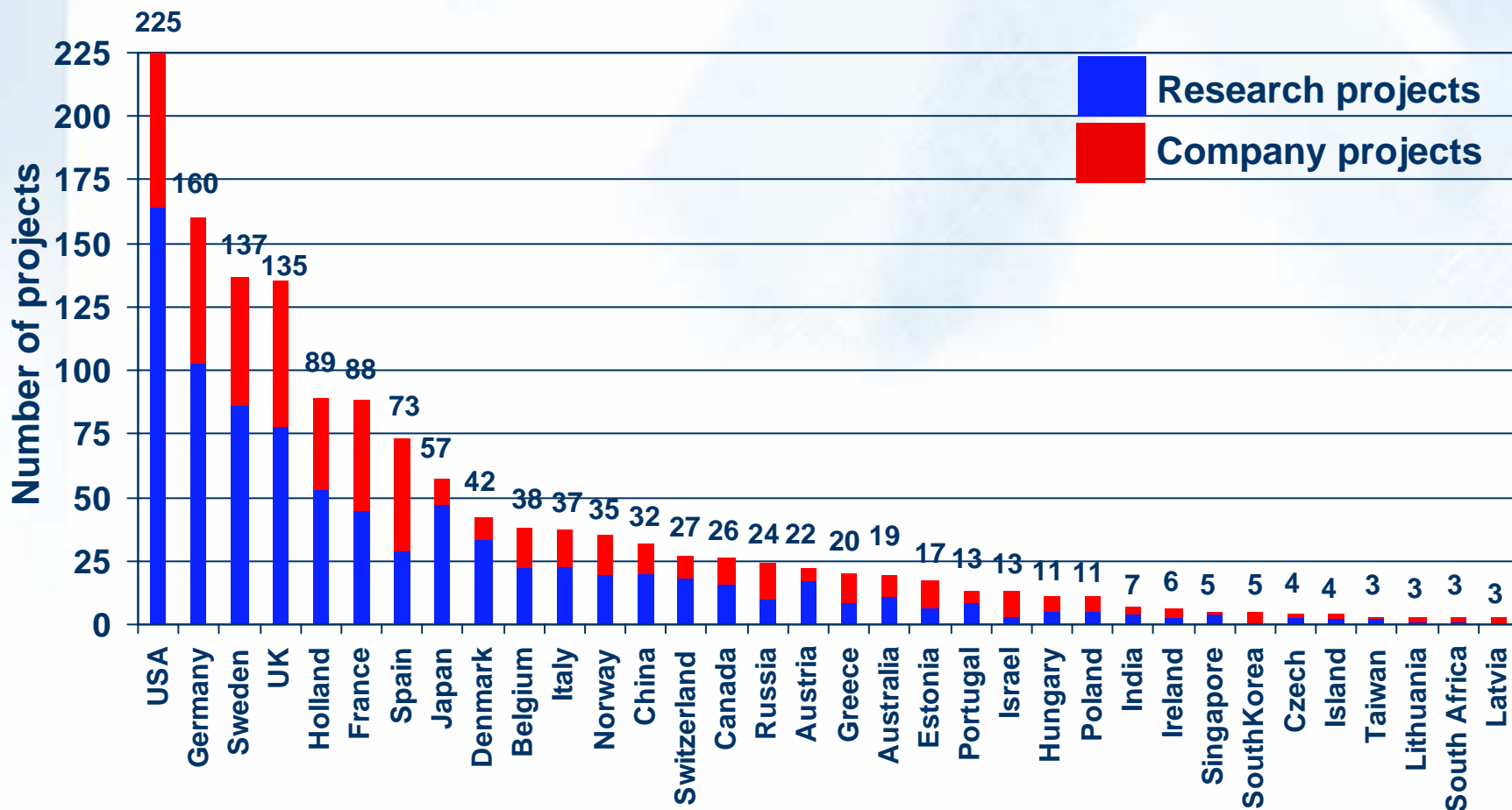
 - **Knowledge-based foreign direct investments (FDI) to Finland**
 - **Promotion of the Finnish innovation environment**



International Co-operation in Tekes funded R&D projects in 2005

Total 667 R&D projects including international co-operation

There is clear target to increase co-operation



Countries having less than 3 co-operation projects are not included



Tekes

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Thank You



Tekes