

SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA



Slovak ICT research potential for Call5

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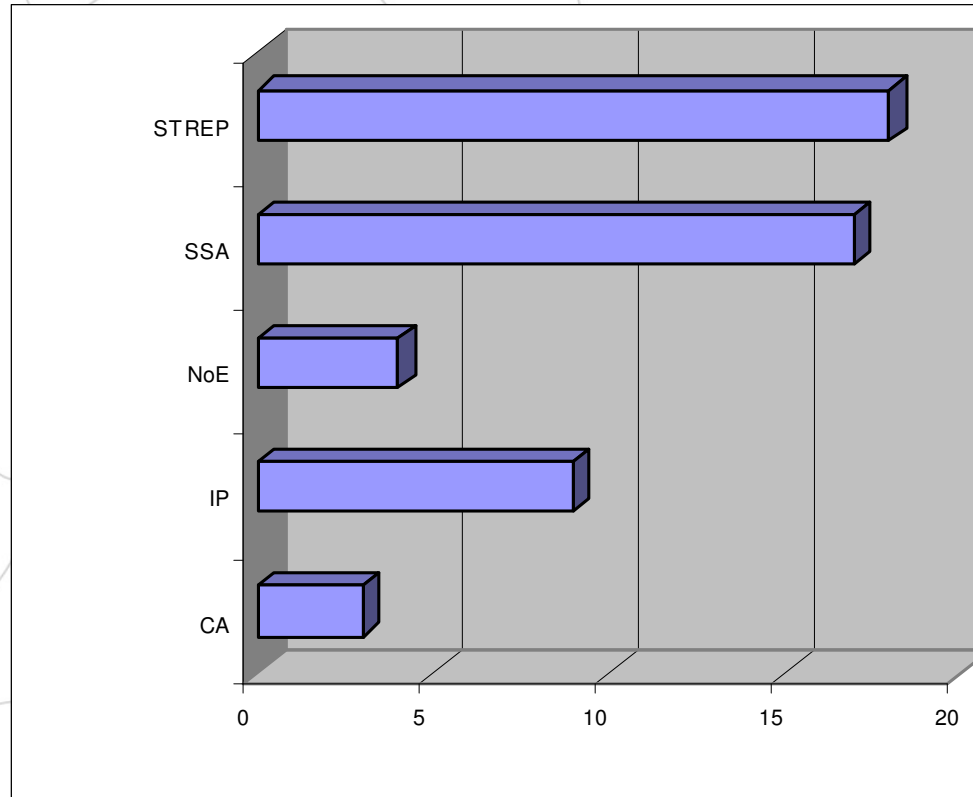
ICT success in the Framework Programme



FFG

Framework Programme 6

- Types of projects



ICT success in the Framework Programme



FFG

Framework Programme 6

• Objectives

2.3.4.1 b5 & 2.3.4.1 b8 – FET Open (1+1)

- IST-2002-2.3.1.12 - Technology-enhanced learning and access to cultural heritage (1)
- IST-2002-2.3.1.5 - Towards a global dependability and security framework (1)
- IST-2002-2.3.1.9 - Networked business and governments (1)
- IST-2002-2.3.2.5 - Embedded systems (1)
- IST-2002-2.3.2.8 - GRID-based Systems and solving complex problems
- IST-2002-2.3.6 c2 - General Accompanying Actions (2)
- IST-2004-2.3.4.2 (iv) - Quantum Information Processing and Communications
- IST-2004-2.3.6.1 - To stimulate, encourage and facilitate the participation of organisations from the New Member States (NMS) and the Associated Candidate Countries (ACC) in the activities of IST (10)
- IST-2004-2.3.6.2 - To prepare for future international co-operation in IST (1)
- IST-2004-2.3.6.3 - To progress towards the achievement of the objectives of a European Research Area in a given IST field (4)
- IST-2004-2.4.10 - Technology-enhanced Learning (2)
- IST-2004-2.4.13 - Strengthening the Integration of the ICT research effort in an Enlarged Europe (14)
- IST-2004-2.4.5 - Mobile and Wireless Systems and Platforms Beyond 3G (2)
- IST-2004-2.4.9 - ICT Research for Innovative Government (3)
- IST-2005-2.5.11 - eInclusion (2)
- IST-2005-2.5.12 - ICT for Environmental Risk Management (1)
- IST-2005-2.5.2 - Micro/nano based sub-systems (2)
- IST-2005-2.5.3 - Embedded Systems (1)
- IST-2005-2.5.4 - Advanced Grid Technologies, Systems and Services (2)
- IST-2005-2.6.2 - AAL (1)
- IST-2005-2.6.4 - Accompanying Actions NCPs (1)

ICT success in the Framework Programme



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Framework Programme 6

• Participants

- 12 Technical University in Kosice (TUKE)
- 8 Slovak University of Technology in Bratislava (STUBA)
- 5 BIC Bratislava
- 4 Comenius University in Bratislava
- 3 Institute of Informatics of the Slovak Academy of Sciences (IISAS)
- 3 Institute of Physics of the Slovak Academy of Sciences (IPSAS)
- 2 University of Zilina (UNIZA)
- 1 Slovak Research & Development Agency, Cassovia BIC, Institute of Normal and Pathological Physiology - Slovak Academy of Sciences, EEA sro, ELFA sro, EXOS Consulting, Institute of Electrical Engineering Slovak Academy of Sciences, KORAK Slovakia, Kosice Self-governing Region, Mestska cast Kosice - Sidlisko Tahanovce, Pavol Jozef Safarik University in Kosice, Polymer Institute of the Slovak Academy of Sciences, PRESOV Regional Chamber of Slovak Chamber of Commerce and Industry, SAE-Automation, SIEMENS Programme and System Engineering, Slovak National Library, TS MOTORY, VAF sro

ICT success in the Framework Programme



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Framework Programme 6

- **Coordinators**
- **IISAS** – DEGREE (Dissemination and Exploitation of GRids for Earth science, SSA, Advanced Grid Technologies, Systems and Services)
- **TUKE** - Access-eGov (Access to e-Government Services Employing Semantic Technologies, STREP, Strengthening the Integration of the ICT research effort in an Enlarged Europe)

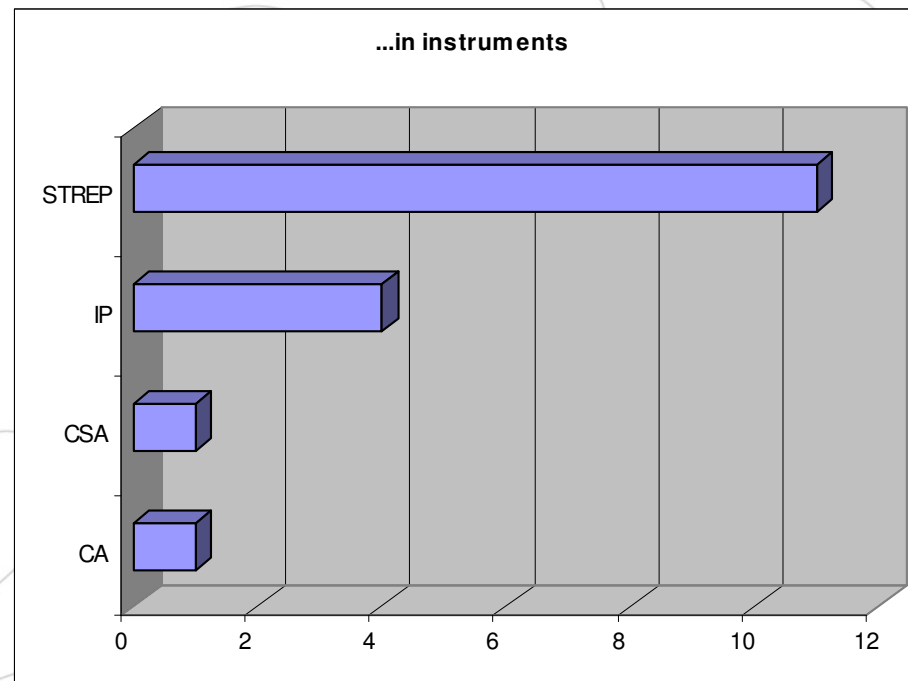
ICT success in the Framework Programme



FFG

Framework Programme 7

- **Participants / instruments**



ICT success in the Framework Programme



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Framework Programme 7

• Objectives

FET (1)

ICT-2007-1.2 Service & SW architectures, infrastructures and engineering (1)

ICT-2007-1.3 Networked enterprise (3)

ICT-2007-3.1 Next generation nanoelectronics components and electronics integration (1)

ICT-2007-3.2 Organic and large-area electronics, visualisation and display systems (1)

ICT-2007-3.7 Networked embedded and control systems (2)

ICT-2007-5.1 Personal health systems for monitoring and point-of-care (3)

ICT-2007-5.2 Risk assessment and patient safety (1)

ICT-2007-6.3 ICT for the environmental management and energy efficiency (1)

ICT-2007-7.1 ICT & ageing (2)

ICT-2007-9.3 Trans-national cooperation among NCPs (1)

ICT success in the Framework Programme



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Framework Programme 7

• Participants

- 2 Slovak University of Technology in Bratislava (STUBA)
- 2 Technical University in Kosice (TUKE)
- 2 Institute of Informatics Slovak Academy of Sciences (IISAS)
- 2 ARDACO
- 2 MEDMARK
- 1 Clinical Research Associates & Consultants, CORINEX Communications, Institute of Physics of the Slovak Academy of Sciences (IPSAS), INTERSOFT, SAE – Automation, SOLUZIONE, Vysokospecializovaný odborný ústav Geriatrický Sv. Lukasa v Kosiciach

Thematic Focal Points

- Ch 1: **Pervasive and Trustworthy Network and Service Infrastructures**

ICT 2009.1.1 The Network of the Future

Vyskumny ustav spojov (Research Institute of Posts and Telecommunications), Milan Kovacik, milankov@vus.sk

Ardaco (SME), Miroslav Konecny, miroslav.konecny@ardaco.com

Smartrends (SME), Ivan Kocis, ivan.kocis@smartrends.eu

Lomtec, Pavel Pavlenda, pavel.pavlenda@lomtec.com

Thematic Focal Points

- Ch 1: **Pervasive and Trustworthy Network and Service Infrastructures**

ICT 2009.1.2 Internet of Services, Software & virtualisation

IISAS, Ladislav Hluchy, hluchy.ui@savba.sk

TUKE, Tomas Sabol, Tomas.Sabol@tuke.sk

SIEMENS Program and System Engineering, Peter Cabanik,
peter.cabanik@siemens.com

FINESOFT (SME), Stefan Kubinec, stefan.kubinec@finesoft.sk

ACASE (SME), Stefan Lacko, repasky@acase.sk

University of Economics in Bratislava – Faculty of Business Economics, Michal Tkac, dekan@euke.sk

ETP Slovakia – Centre for Sustainable Development, Slavomira Macakova,
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SOFTEC, Daniel Petrik, petrik@mms-softec.sk

SOLUZIONA, Marcos Juan, Juan.marcos@sk.soluzionacom

Thematic Focal Points

- Ch 1: **Pervasive and Trustworthy Network and Service Infrastructures**

ICT 2009.1.3 Internet of Things and enterprise environments

IISAS, Ladislav Hluchy, hluchy.ui@savba.sk

The Intelligent Guide, Eva Medvecka, eva_medvecka@yahoo.com

Zdruzenie pre rozvoj regionu Horna Nitra, Jozef Takacs,
zrrhn@zrrhn.sk

NOVITECH, Milan Varga, varga_milan@novitech.sk

Banskobystricka regionalna komora, Julius Masarik, jmasarik@sopk.sk

TUKE, Department of Management and Marketing, Natasa Urbancikova, natasa.urbancikova@tuke.sk

TUKE, Faculty of Economics, Tomas Sabol, tomas.sabol@tuke.sk

INTERSOFT, Martin Tomasek, martin.tomasek@intersoft.sk

Thematic Focal Points

- Ch 1: **Pervasive and Trustworthy Network and Service Infrastructures**

ICT 2009.1.4 Trustworthy ICT

Ardaco (SME), Miroslav Konecny, miroslav.konecny@ardaco.com

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Smartrends (SME), Ivan Kocis, ivan.kocis@smartrends.eu

Comenius University in Bratislava, Dusan Soltes,
dusan.soltes@fm.uniba.sk

Thematic Focal Points

- Ch 1: **Pervasive and Trustworthy Network and Service Infrastructures**

ICT 2009.1.6 Future Internet Experimental Facility and Experimentally-driven Research

IISAS, Ladislav Hluchy, hluchy.ui@savba.sk

TUKE, Faculty of Economics, Tomas Sabol, tomas.sabol@tuke.sk

Lomtec, Pavel Pavlenda, pavel.pavlenda@lomtec.com

Thematic Focal Points

- **Ch 3: Components, systems, engineering**

ICT 2009.3.1 Nanoelectronics Technology

Comenius University in Bratislava, Pavel Veis,
veis@fmph.uniba.sk

STUBA, Daniel Donoval, daniel.donoval@stuba.sk

ICT 2009.3.5 Engineering of Networked Monitoring and Control
Systems

International Laser Center, Frantisek Uherek, uherek@ilc.sk

Thematic Focal Points

- **Ch 3: Components, systems, engineering**

ICT 2009.3.7 Photonics

SAE Automation (SME), Vladimir Palacka,
vladimir_palacka@saeautom.sk

STUBA, Boris Rohal-Ilkiv, boris.rohal-ilkiv@stuba.sk

Ardaco (SME), Miroslav Konecny, miroslav.konecny@ardaco.com
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VUJE, Jozef Kovacik, kovacik@vuje.sk

ICT 2009.3.9 Microsystems and Smart Miniaturised Systems

STUBA, Daniel Donoval, daniel.donoval@stuba.sk

International Laser Center, Frantisek Uherek, uherek@ilc.sk

IISAS, Ladislav Hluchy, hluchy.ui@savba.sk

Thematic Focal Points

- **Ch 4: Digital Libraries and Content**

ICT 2009.4.2 Technology-Enhanced Learning

IISAS, Ladislav Hluchy, hluchy.ui@savba.sk

7INF, Viktor Zigo, viktor.zigo@7inf.com

ICT 2009.4.3 Intelligent information management

TUKE, Jan Paralic, Jan.Paralic@tuke.sk

D&P architekti a spol, Martin Drahovsky, drahovsky.martin@dpa.sk

IISAS, Ladislav Hluchy, hluchy.ui@savba.sk

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dusan.soltes@fm.uniba.sk

STUBA, Eva Kralova, eva.kralova@stuba.sk

Stefan Svetsky, stefan.svetsky@stuba.sk

Thematic Focal Points

- **Future and emerging technologies**

ICT 2009.8.4 Human-Computer Confluence

ICT 2009.8.5 Self-Awareness in Autonomic Systems

ICT 2009.8.6 Towards Zero-Power ICT

ICT 2009.8.9 Coordinating Communities, Plans and Actions in FET Proactive Initiatives

ICT 2009.8.10 Identifying new research topics, Assessing emerging global S&T trends in ICT for future FET Proactive initiatives

STUBA, Maria Bielikova, bielik@fiit.stuba.sk

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Comenius University, Dusan Dobrota, dobrota@jfmed.uniba.sk

Slovak Medical University, Jan Stencil, rektor@szu.sk

Some Keyplayers (1/4)

- Slovak University of Technology in Bratislava (STUBA)

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- University of Zilina (UNIZA)

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- International Laser Center

Frantisek Uherek, uherek@ilc.sk

Some Keyplayers (2/4)

- Technical University of Kosice (TUKE)
Tomas Sabol, tomas.sabol@tuke.sk
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Juraj Sinay, rector@tuke.sk
- Slovak Academy of Sciences – Institute of Physics (IPSAV)
Vladimir Buzek, buzek@savba.sk
- Slovak Academy of Sciences - Institute of Informatics (IISAV)
Ladislav Hluchy, hluchy.ui@savba.sk

Some Keyplayers (3/4)

- Anasoft

Katarina Melisova, katarina.melisova@anasoft.sk

- Lomtec

Pavel Pavlenda, pavel.pavlenda@lomtec.com

- Ardaco

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Lubos Slovak, lubos.slovak@ardaco.com

- SAE Automation

Vladimir Palacka, vladimir_palacka@saeautom.sk

Some Keyplayers (4/4)

- Comenius University

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- VUJE

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- SOLUZIONA

Marcos Juan, juan.marcos@sk.soluzionacom

Examples of new projects

- **Stefan Svetsky (STUBA)** – **Multiknows** - The advanced multilingual knowledge structures for Technology Enhanced Learning and Intelligent Information Management (Ch 4)
- **Vladimir Palacka (SAE-Automation)** - development of new configuration software applications using OPC UA unified models (S.O. 3.5)
- **Eva Kralova (STUBA)** – creation of interdisciplinary database center for concentration and transfer of research results in the field of cultural heritage (S.O. 4.3)

Other expertise

- **Katarina Melisova (Anasoft)** - text-to-speech recognition, semantic text analyzes, voice and image recognition and e-Learning
- **Daniel Donoval (STUBA)** – IC testing using artificial neural network, thin film gas sensors design, diamond and DLC layers growth, Carbon nanotubes (S.O. 3.1, 3.7, 3.9)
- **Tomas Sabol (TUKE)** - semantic technologies, knowledge modelling, knowledge management, socio-economic analysis of ICT applications
- **Pavel Pavlenda (Lomtec)** – development of internet and intranet applications of almost any kind (Ch 1 & 4)
- and others...

Country information

Websites

www.stuba.sk/ict, www.apvv.sk

ICT Database

Where to find Partners – mailing lists, Ideal-ist

Contact persons

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