

1st IT STAR Workshop on R&D in Information and Communication Technology

Assorted facts and figures on R&D in Slovenia

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Republic of Slovenia

- Population 2 million (1,997,590 as of December 31, 2004)
- territory of 20,273 sq. km
- bordering countries Italy, Austria, Hungary, Croatia
- 42 km of Adriatic coast
- Major cities
 - Ljubljana (the capital, 350,000 inhabitants)
 - Maribor
 - Koper
 - Kranj
 - Novo Mesto
 - Celje

R&D players in Slovenia

- **universities and related institutes**
- **national research institutes**
- **other research institutions**
- **industry institutes**

R&D University Structure

- 3 universities
- ~1,700 full-time university teaching staff
- ~600 technical and administrative staff
- ~ 100,000 students
- ~ 130 undergraduate
- ~110 post-graduate programs

Research Potential

- 147 research units
- 1,535 researchers¹ active in
 - medicine (53)
 - technology (38)
 - natural sciences (23)
 - social sciences (28)
 - and agriculture (5)
- businesses account for 175 R&D groups

1) In those institutions where research is not a main activity, the researchers are only partly engaged in research work and mostly in professional work (for example, doctors of medicine). The number also includes young researchers undergoing training.

Strategy

Republic of Slovenia in the Information Society, by the Ministry of Information Society in cooperation with other ministries and state agencies, outlines the major target areas such as

- usage of ICT
- recognition and formation of new market potential
- creating an environment for knowledge intense economic activities,
- creating digital cultural content and preservation of cultural heritage and language
- deployment of electronic services
- improving access to the services of IS for all
- reducing the digital divide by including citizens and groups with special needs

ICT in Slovenia

- Well-developed electronic and electrical engineering industry
- ICT manufacturing and services record growth
- In 2001, the ICT sector accounted for 5% of employment
 - 7.5% of value added
 - 5.8% of turnover and
 - 5.4% of exports of the total Slovenian non-financial corporate sector
- Compared to 1995, the importance of the ICT sector increased
- Growth was substantial
 - 1995 - 2001 number of companies increased from 993 to 1654
 - total number of employees grew from 16 591 to 23 532

Actors in ICT services

- telecommunications
- software consultancy
- supply services

The biggest player Telekom of Slovenia, with a majority of shares (62.5%) owned by state

- Mobile telephony provider: Mobitel (>80% market share)
- Internet provider: SIOL

Software consultancy and supply

- Second most important sector within ICT
- Large number of small companies operating (~1.800)
- Number of software development companies tripled during the 1995 - 2001
- Number of employees increased fivefold
- Value of total IT services market for 2002 91.06 Million US \$
- IT spending in 2003 was 413,07 Mio US \$

Total R&D personnel, Slovenia, 2003–2004

Year	Total R&D personnel ¹⁾		Researchers (HC)		Total R&D personnel (FTE) ²⁾		Researchers (FTE)	
	total	female	total	female	total	female	total	female
2003	1926	890	1221	507	1670	738	1044	409
2004	2022	930	1313	539	1750	776	1124	441

1) The totals do not match because of rounding

2) Government expenditure on R&D (GOVERD)

Government expenditure¹ on R&D (GOVERD)² by source of financing, Slovenia, 2003–2004, in Million SIT³

Year	Source of financing R&D								Total
	Slovenia				Abroad				
	Enterpr.	Gov.	Univers.	Private not-for profit	Total	Private funds	Public funds	Other	
2003	2404	13159	85	1	1291	264	988	40	16940
2004	2828	13899	45	10	1211	273	850	89	17993

- 1) The totals do not match because of rounding
 2) Government expenditure on R&D (GOVERD)
 3) 1 EUR = 239,65 SIT

Government expenditure on R&D (GOVERD) by type of costs, Slovenia, 2003-2004, in Million SIT

Year	Type of cost					Total
	Labour cost	Other current cost	Buildings and land	Instrument s and equipment	Capital expend.- totabbbl	
2003	10539	5101	161	1140	1300	16940
2004	11049	5382	150	1412	1563	17994

1 EUR = 239,65 SIT

Government expenditure on R&D (GOVERD) by type of research, Slovenia, 2003–2004, in Millon SIT

Year	Research works total	Income total	Type of research					
			basic		applied		experimental	
			number of works	Income	number of works	Income	number of works	Income
2003	1156	16940	418	7119	943	7010	155	2811
2004	1652	17994	454	7261	1041	7931	157	2802

1 EUR = 239,65 SIT

Source: Statistični urad Republike Slovenije
 Bratislava, 11 NOVEMBER
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THANK YOU FOR YOUR ATTENTION