



REPUBLIC OF SLOVENIA
MINISTRY OF HIGHER EDUCATION, SCIENCE AND
TECHNOLOGY



The knowledge triangle makes Slovenia ready for foreign investments

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Ministry of Higher Education, Science and
Technology



Agenda

- Higher Education

National Higher Education Programme 2011-2020

- Research and Innovation

Research and Innovation Strategy of Slovenia 2011-2020

- Information Society

Digital Slovenia



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HIGHER EDUCATION



National Higher Education Programme 2011-2020

Main objectives

- Smart specialisation (HE and research)
- High quality HE
- Internationalisation of HE
 - Slovenian staff for constant training at best foreign universities
 - 20 % of slovenian graduates to be mobile by 2020
 - 20% of slovenian doctoral students to study at joint doctoral study programmes with best foreign universities by 2020
- Slovenia to become attractive HE area for foreign students and staff
- Cooperation with economy
 - especially professional HE



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RESEARCH AND INNOVATION



Research and innovation strategy 2011 - 2020 (RISS)

Main objective:

- A modern research and innovation system that will allow for a **higher quality of life** for all, using a critical reflection of the society, efficiency in **addressing societal challenge, increased value added per employee, while providing more and better jobs**



RISS - Content

- Effective governance of the research and innovation system
- High-quality research in the public sector
- Establishment of capacities in support of research and development
- Innovative economy
- Promotion of science, creativity and innovativeness in society and education



Centers of Excellence - CoE

- High quality multidisciplinary group of researchers both from academic and business spheres, combining critical mass of knowledge and adequate research infrastructure for potential breakthrough of this Centre to the top of the world science and/or for inclusion in international networks of excellence.



Priority areas

- Nanoscience and nanotechnology
- Biosensors, instrumentation and process control
- Chemistry and biology of proteins
- Low-carbon technologies (hydrogen and lithium batteries)
- Non-metallic materials (ceramics)
- Plastic materials
- Space science
- Nuclear magnetic resonance studies



CoE – Contacts 1

Full name of the Centre of Excellence	Acronym	Address	Head of CoE	e-mail	Phone	www
Advanced Materials and Technologies for the Future (CO NAMASTE)	CO NAMASTE	Jamova cesta 39, 1000 Ljubljana	prof. dr. Marija Kosec, direktorica	marija.kosec@ijs.si	Alenka Rožaj +386 41 360 027; +386 1 4773 583	http://www.conamaste.si/slo/index.php
Center of Excellence on Nanoscience and Nanotechnology (CO NIN)	CO NIN	Jamova 39, 1000 Ljubljana	prof.dr. Dragan Mihailović	martina.knavs@ijs.si	Martina Knavs +386 1 477 32 20	http://www.nanocenter.si
Center for biosensors, instrumentation and process control (CO BIK)	CoBIK	Velika pot 22, 5250 Solkan	Rebeka Koncilja	rebeka.koncilja@ef.uni-lj.si	Rebeka Koncilja +386 41 881 142	http://www.cobik.si/
NMR Centre of Excellence for Studies in Biotechnology, Pharmacy and Physics of Matter (CO EN-FIST)	CO EN-FIST	Hajdrihova ulica 19, 1000 Ljubljana	prof. dr. Janez Plavec	janez.plavec@ki.si	Matjaž Polak +386 31 615 157	http://enfist.si/



CoE – Contacts 2

Full name of the Centre of Excellence	Acronym	Address	Head of CoE	e-mail	Phone	www
Center of Excellence Low-Carbon Technologies (CO NOT)	CO NOT	Hajdrihova ulica 19, 1000 Ljubljana	prof. dr. Miran Gaberšček	aljosa.trtnik@ki.si	Aljoša Trtnik +386 41 331 724; +386 1 476 03 00	http://www.conot.si/
Polymer Materials and Technologies (PoliMaT)	CO PoliMaT	Hajdrihova ulica 19, 1000 Ljubljana	mag. Mateja Dermastia	mateja.dermastia@polimat.si	Darja Osvald + 386 40 295 129	www.polimat.si
Space: Sciences and Technologies (Space.si)	CO Space.si	Aškerčeva cesta 12, 1000 Ljubljana	dr. Tomaž Rodič	tomaz.rodic@ntf.uni-lj.si	040 866 945	http://www.space.si/
Centre of excellence for integrated approaches in chemistry and biology of proteins (CIPKeBiP)	CO CIPKeBiP	Jamova cesta 39, 1000 Ljubljana	dr. Livija Tušar	livija.tusar@ijs.si	dr. Turk 01 477 3857, 040 423 228, Tušar 040 541 007, Elizabeta Podlinšek 01 5422336 (računovodstvo)	http://www.cipkebip.org/



Competence Centres

- Are research development centres, run by industrial partners, connecting partners from the economic and public research sectors.
- Aimed at strengthening development capability and the use of new technologies for the development of new competitive products, services and processes in the priority areas of technological development.
- Combines 46 companies, highly focused on new technologies and 16 top research institutions (universities, faculties, national institutes etc).



Priority areas

- User Platforms and Interfaces
- Network systems and services
- Food and Health
- Biomedical Engineering
- Process Technologies
- Sustainable Building Industry
- Effective use of energy

Each priority area is covered by one CC.



CC - Contacts

Full name of the Competence Centre	Acronym	Address	Contact person	e-mail	Phone
Competence Centre for Advanced Control Technologies	KC STV	Jamova cesta 39, 1000 Ljubljana	Dr. Zoran Marinšek	zoran.marinsek@inea.si	00 386 1 513-8184
Competence Centre for Advanced Systems of Efficient Use of Electrical Energy	KC SURE	Pobreška cesta 20, 2000 Maribor	mag. Matej Gajzer	TECES-KC@teces.si	00 386 2 333-1350
Competence Centre for Biomedical technique	KC BME	Stegne 7, 1000 Ljubljana	Zore Lukin	zore.lukin@fotona.com	00 386 1 500-9291
Competence Centre for Sustainable and innovative building industry	KC TIGR	Godovič 150, 5275 Godovič	Valter Čebokli	valter.cebokli@hidria.com	00 386 5 375-6615
Competence centre for Biotechnological development and innovations	KC BRIN	Tehnološki park 21, 1000 Ljubljana	Iris Podobnik	Iris.Podobnik@kc-brin.si	00 386 1 589-6900
Competence Centre for Cloud Assisted ServiceS	KC CLASS	Dimičeva ulica 13, 1000 Ljubljana	Dalibor Baškovč	zeleno@siol.net	00 386 31 661-616
Competence Centre for Open source communication platform for the integration of services	KC OPCOMM	Tehnološki park 24, 1000 Ljubljana	Stanko Šalamon	stanko.salamon@eurocon.si	00 386 1 234-0270



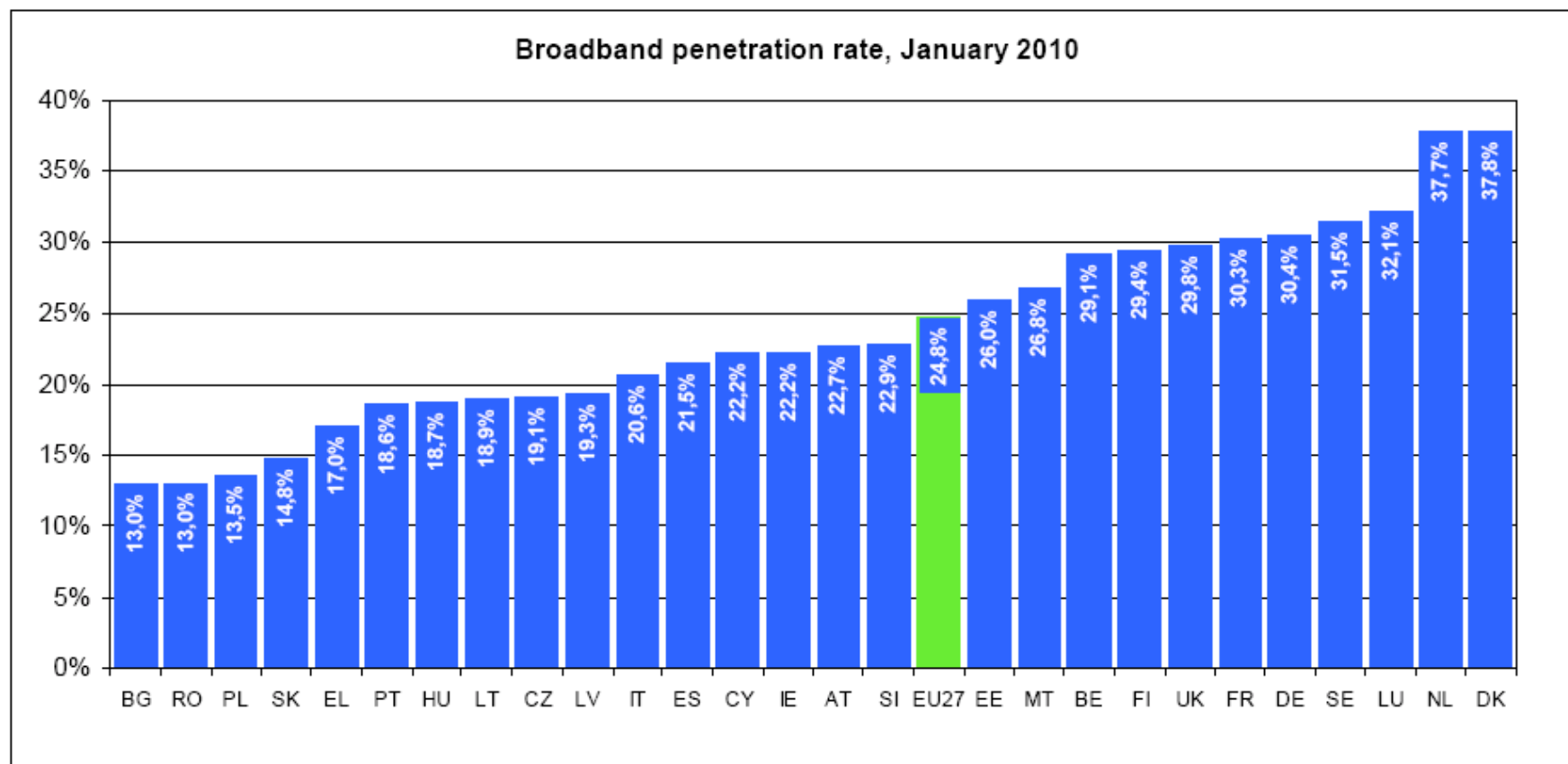
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DIGITAL SLOVENIA



Key development data

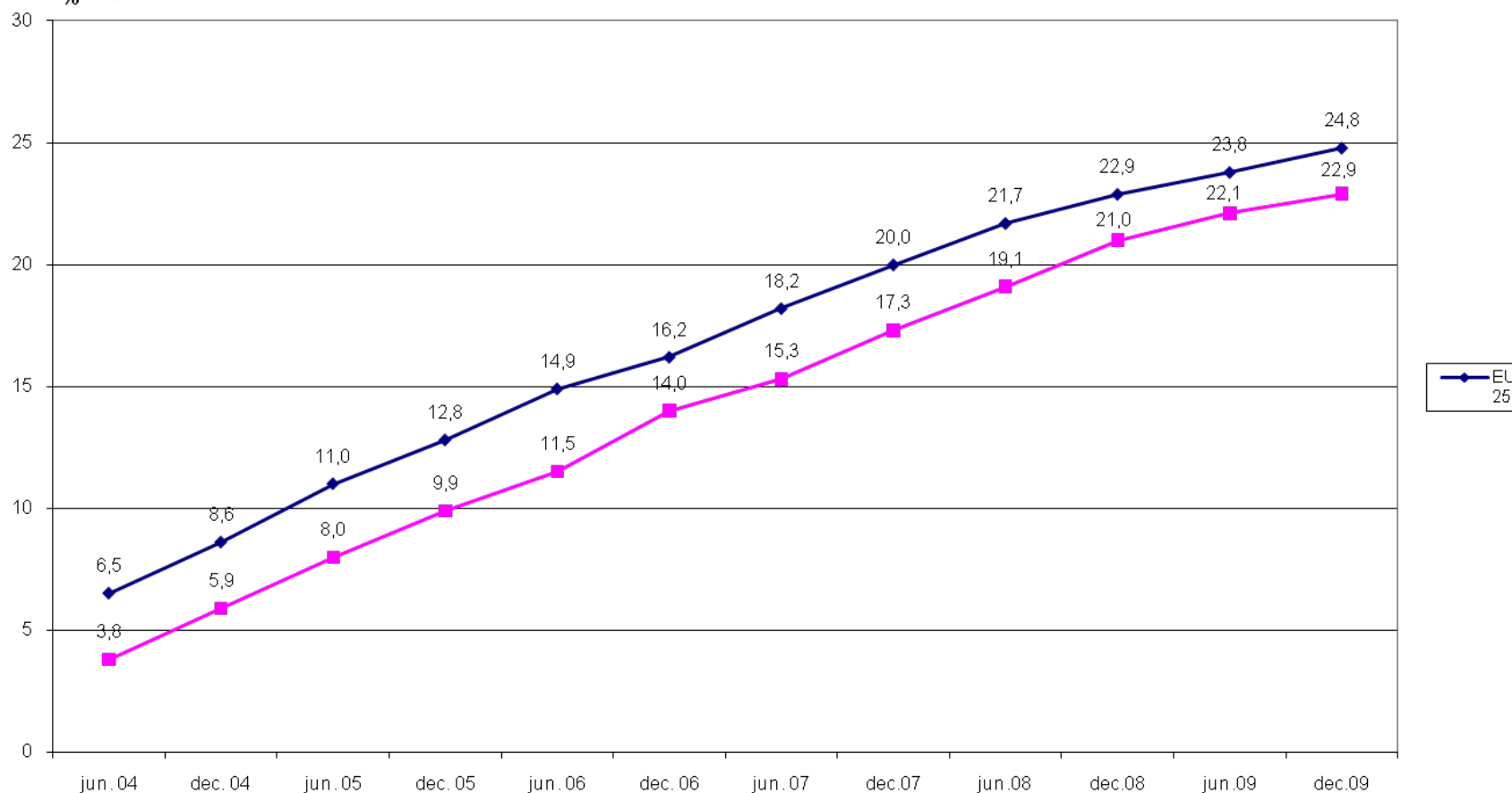
Broadband penetration within the EU. Graph shows that the BB penetration in Slovenia is in the middle of the EU figures and very close to the EU27 average.





Key development data

The penetration rate in Slovenia compared to the penetration rate in EU shows very close correlation. The penetration rate in Slovenia is increasing slightly faster than the rate in the EU25.





Key areas interesting for the foreign investments in Slovenia

- Guaranteeing the provision of much faster internet access (High-speed **Broadband Access**);
- Encouraging investments in research and development;
- ICT-enabled benefits for EU society.



Digital Slovenia action plan

- To promote and implement the role and value of the information society through the **Digital Slovenia** action plan.
- To enhance the legal framework and to create the environment for faster development of the ICT sector.
- To ensure the adoption of the action plan by giving the example and to support the development of ICT sector **by attractive financing arrangements.**



Broadband strategy action plan

- Promote further investments and development of the optical networks, both FTTH and FTTC;
- Provide for the proper regulation of the broadband access networks (by opening the optical infrastructure, providing proper cost model, providing symmetrical regulation),
- Improve the usage of the already built FTTH networks;
- Improve the utilization of the legacy networks by combining FTTC networks with shortening of the existing copper networks;
- Introduce new technologies to further cut the cost of building broadband access networks in rural areas (radio access, PON, WDM, etc.);
- Improve the usage of digital dividend obtained during the introduction of DVB—T and to further extend it over entire UHF frequency spectrum in order to provide for the cheap and fast last mile access.



Recommended reading on knowledge triangle in Slovenia:

<http://www.mvzt.gov.si/en/>

<http://www.quark-magazine.com/quark10.html>