

Eiropas Savienības 6-ā letvara programma pētniecībā un tehnoloģiju attīstībā
Latvijas Nacionālā kontaktpunkta grupas



- Viss par aktuālo zinātnes un tehnoloģiju attīstībā Eiropas Savienībā ir atrodams INTERNETĀ - www.cordis.lu
- 5.letvara programmas sekmīgie projekti INTERNETĀ - http://dbs.cordis.lu/fep/FP5/FP5_PROJL_search.html
- Viss par 6.letvara programmu (6-IP) meklējams INTERNETĀ – www.cordis.lu/fp6/
- 6.letvara programmas interešu pieteikumu (Eol) analīze INTERNETĀ - <http://www.cordis.lu/fp6/eoi-analysis.htm>
- Viss par ES atrodams www.europa.eu.int/ vai www.eurunion.org/infores/
- Nacionālais kontaktpunkts (NKP) atrodams Šķūņu ielā 4, Rīgā, tel. 7229727, 9498659
- Nacionālā kontaktpunkta mājas lapa INTERNETĀ - <http://www.zinatne.lv>
Mājas lapa tapusi un tiek uzturēta ar LATNET (www.latnet.lv) atbalstu

1. Šī brīža aktualitāte

ES Parlaments, Eiropas padome un Eiropas komisija šī gada rudenī ir laiduši klajā kopīgu dokumentu "Brussels, COM(2005) 488 final, Implementing the Community Lisbon Programme: More Research and Innovation - Investing for Growth and Employment: A Common Approach". Šajā dokumentā koncentrētā veidā ir parādīta ES politika, iezīmēti attiecīgi resursi un norādītas galvenās problēmas ES un dalībvalstīs ceļā uz Lisabonas galveno mērķi - kopējās labklājības izaugsmi. ES Eiropas Komisijas Ģenerāldirektorāts, kurš ir atbildīgs par uzņēmumiem un ražošanu (DG Enterprise and Industry) oficiāli par inovācijām saka sekojošo: "Innovation is the art and science of transforming something – be it an idea, a method or an object – that already exist into something new or of value. But innovation needs a foundation of sound knowledge upon which to take root. Without a constant flow of new and exciting knowledge, the wells of innovation would soon run dry".

Pēdējā gada laikā vārdu un dažāda līmeņa oficiālu un pusoficiālu rakstu straume inovāciju laukā Latvijā ir diezgan iespaidīga, diemžēl bez nopietnām garantijām uz ilglaicīgu un nemitīgi augošu finansējumu un cilvēku resursu mobilizāciju. Tie avoti (wells of innovation), kur rodas inovācijas (pētniecība, fundamentālā un pielietojamā zinātne) jau gadiem ilgi ir pamesti novārtā un tiek tikai simboliski finansēti no valsts puses. Tas ir radījis sabiedrība dziļu intelektuālu depresiju un asu profesionālu cilvēku resursu krīzi darba spēka tirgū gan darba ņēmēju gan arī darbā devēju aprindās. Pēdējais ir pats bīstamākais - ja darba devēji nesaprot lietas, tad vērtīgi tiek izšķiesti resursi gan publiskā, gan privātā sektorā.

Ir vispārzināms, ka krīzes apstākļos laika faktors ir izšķirošais un nav laika gadiem ilgām spriedelēšanām. Ir jāpielieto krīzes menedžmenta metodes un šajā konkrētajā gadījumā ir acīmredzami, ka maksimāli ātri ir jāveic mobilizācija cilvēku resursu izaugsmes jomā, jāpanāk publiskā un privātā sektora investīciju plūsmas tajās pētniecības jomās un virzienos, kur mums ir pasaules klases ekselence, attiecīgi institūti un laboratorijas. Tādejādi radīsies jaunas labi apmaksātas darba vietas, izaugsmes iespējas un attiecīga motivācija tiem jaunajiem cilvēkiem, kuri patreiz kā doktorantūras studenti saņem ES struktūrfondu stipendijas.

Daudzi Latvijā uzvedas kā paši gudrākie pasaulē, tomēr labāk būtu paskatīties, ko ir darījuši un dara citi. Šī izdevuma "Vēstis 64e" pielikumā ir dota autentiska kopija raksta fragmentam no "Czech Focus", V2, Nr.2, 2005, (Magazine of association for foreign investments - Čehija), kurā ir uzskatāmi parādīts, ka šīs valsts un tās universitāšu politika gadiem cauri ir nodrošinājusi to, ka inženierzinātņu studentu skaits Čehijas tehniskajās universitātēs ir sasniedzis 90000, no kuriem apmēram 20000 studē elektronikas jomā. Turklāt šie skaitļi neietver klasisko universitāšu dabaszinātņu studentus. Rezultātā Čehija kvalificēta inženiertehniskā personālā indikātorā apsteidz Īriju, Japānu, ASV, Vāciju un Apvienoto karalisti un tas nodrošina stabili augošu investīciju plūsmu gan Čehijas mikroelektronikas un optoelektronikas sektorā, gan intelektuāli ietilpīgā ražošanā vispār.

Latvija vēsturiski ir bijusi elektrotehnikas un elektronikas industrijas balsts Baltijas reģionā un esam šīs pozīcijas pazaudējuši tieši neatkarības gados, kad ir dibinātas dažādas attīstības aģentūras valstī un attiecīgi departamenti universitātēs. Tagad esam otrajā līmenī: sākam dibināt "attīstību attīstošas" aģentūras, lai būtu "krēsli" attīstības veicināšanas "senioriem", bet visi rādītāji aizvien iet pretējā virzienā.

Dr.Phys. Arnolds Ūbelis, 6.IP Nacionālais kontaktpunkts, e-mail: arnolds@latnet.lv

2. Vēstis un atgādinājumi par aktuālo 6.IP tematiskās un horizontālās aktivitātēs

2.1. LIFE SCIENCES, GENOMICS AND BIOTECHNOLOGY FOR HEALTH (BIOTECHHEALTH)

Dažu finansēto projektu mājas lapas:

"Moltools: advanced molecular tools for array-based analyses of genomes, transcriptomes, proteomes, and cells" <http://www.moltools.org>

"Interaction Proteome: functional proteomics – towards defining the interaction" <http://www.biochem.mpg.de/eu/>

"BioXhit: biocrystallography (X) on a highly integrated technology platform for European structural genomics" <http://www.embl-hamburg.de/BIOXHIT/>

"Biosapiens: a European network for integrated genome annotation" <http://www.ebi.ac.uk/biosapiens/>

"The Epigenome" <http://www.epigenome.imp.ac.at/>

"MAIN: targeting cell migration in chronic inflammation" <http://www.main-noe.org/>

"Diabetes" <http://www.euodiabetes.org/>

"Manipulating tumor suppression: a key to improve cancer treatment"

<http://www.europeire.it/Activep53/intro.html>

"Identification of Novel Targets for Cancer Therapy" <http://www.imt.uni-marburg.de/intact/>

"European Network on Functional Genomics of Type 2 Diabetes" <http://www.eugene2.com/>

"Molecular phenotyping to accelerate genomic epidemiology"

<http://ocdem.customers.composite.net/composite-108.htm>

"Developing Molecular Medicines for Cancer in the Post-Genome Era"

<http://www.brunel.ac.uk/about/acad/health/healthres/researchareas/bicgp/molcancermed/>

"EeroStemCells" <http://www.eurostemcell.org/>

"Treatment of localised skin cancer" <http://www.cliniporator.com/first.asp>

"Adoptive engineered T cell Targeting to Activate Cancer Killing" <http://www.attack-cancer.org/>

NKP: Dr. Dace Tirziņa – tirzite@latnet.lv tel. 7229727, ES info: www.cordis.lu/fp6/lifescihealth.htm

2.2. INFORMATION SOCIETY TECHNOLOGIES (IST)

I. Projektu konkursi:

- Līdz 20.decembrim ir atkārtoti atvērts projektu konkurss FP6-2005-IST-4.1: Tīkla audiovizuālās sistēmas un platformas individuālai lietošanai: *tikai IP un NoE*. Interesenti partnerus var atrast **iedal-ist projekta** ietvaros: <http://www.ideal-ist.net/partnersearch.php>. Info kopumā: http://fp6.cordis.lu/index.cfm?fuseaction=UserSite.FP6DetailsCallPage&call_id=260.
- Iespējams, ka gadumijā tiks atvērts 6.tematiskais (papildus) IST projektu konkurss ar pieteikšanās termiņu līdz aprīlim. Varētu būt iekļautas aktivitātes: 2.6.1: *Advanced Robotics*, 2.6.2: *Ambient Assisted Living (AAL) for the Ageing Society*, 2.6.3: *Search Engines for Audio-Visual Content*, 2.6.4: *Accompanying actions in support of participation in Community ICT research*, 2.6.5: *International Co-operation*. Tuvāka informācija iespējama pēc 1.decembra.

II. IS & M Ģenerāldirektorātā:

- Sakarā ar nosaukuma maiņu notikusi arī personāliju nomaiņa. Tuvāka info: http://europa.eu.int/comm/dgs/information_society/directory/pdf/organi_en.pdf.
- **Līdz 09.01.06. atvērts tenders 2005/S 215-211696:** *Study on Innovative ICT SMEs in Europe (EU25)*. Info: http://fp6.cordis.lu/index.cfm?fuseaction=UserSite.FP6DetailsTenderPage&call_id=261,
- **Līdz 15.12.05. atvērts tenders 2005/S 213-209861:** *Study on Requirements and options for accelerating the transition from traditional research to virtual research organisations through e-Infrastructures*:Info:http://fp6.cordis.lu/index.cfm?fuseaction=UserSite.FP6DetailsTenderPage&call_id=265.

III. Konferences, semināri, interesanti pasākumi:

http://europa.eu.int/information_society/newsroom/cf/newsbytheme.cfm?displayType=calendar

- 5 - 6 December 2005, e-Business - The Way Forward, Cambridge (UK). Tuvāka info: <http://europa.eu.int/comm/enterprise/ict/conferences/cambridge.htm>,
- 13 - 14 December 2005, 3rd Forum for European e-public Services, Paris, France. Tuvāka info: <http://www.forumadministratonelectronique.com/public/fae/>,
- 5 - 7 April 2006, The International Trade Event and Conference for eHealth, Telemedicine and Health ICT, Luxembourg. Tuvāka info: <http://www.medetel.lu/education/call.html>,
- 22 - 24 November 2006, IST 2006, Helsinki, Finland. Tuvāka info: http://europa.eu.int/information_society/activities/istevent/index_en.htm.

IV. Papildus informācija:

- Tiešsaistes konsultācijas **Finance NMS IT projekta** mājas lapā: <http://www.finance-helpdesk.org/front/HelpLine.aspx?CatId=3>.

NKP: Dina Bērziņa – dinab@latnet.lv, tel. 7229727, ES info: <http://www.cordis.lu/fp6/ist.htm>

2.3. NANOTECHNOLOGIES AND NANOSCIENCES, (NANOMATPRO)

NKP: Dr. Vismants Zauls – vism@latnet.lv, tel. 7260803, ES info: www.cordis.lu/fp6/nmp.htm

2.4. AERONAUTICS AND SPACE

Uzmanību, aizvien vēl spēkā: *Thematic call in the area of "Aeronautics Specific Support Actions"*
 Identifier: [FP6-2002-Aero-2] **Publication date:** 17 December 2002 **Budget:**
 € 7 million **Closing Date(s):** March 30, 2006.

Activity Code	Areas addressed	Instr.
AERO	Aeronautics and space	
AERO-1	Aeronautics	
AERO-1.1	Strengthening competitiveness	SSA
AERO-1.2	Improving environmental impact with regard to emissions and noise	SSA
AERO-1.3	Improving aircraft safety and security	SSA
AERO-1.4	Increasing operational capacity and safety of the air transport system	SSA

NKP: Kaspars Skalbergs – Kaspars.Skalbergs@tdf.lv, tel. 9455700, ES info: <http://www.cordis.lu/fp6/aerospace.htm>

2.5. FOOD QUALITY

FP6-2005-Food-4C – SSA, iesniegšanas termiņš 2006. gada 8.februāris

Dānijā 2006.gad 30.-31.maijā notiks kongress par bioloģiskās lauksaimniecība jautājumiem. Informācija: <http://www.okologi-kongres.dk/uk/>

Helsinkos 2006.g. 12-14.jūnijā notiks congress "Dietic Fibre". Informācija: <http://viikki.helsinki.fi/df2006>

Dažu finansēto projektu mājas lapas:

"New technologies to screen multiple chemical contaminants in foods" <http://www.biocop.org>

"Exploiting bioactivity of European cereal grains for improved nutrition and health benefits" <http://www.healthgrain.org>

"Global allergy and asthma European network" <http://www.ga2len.net>

"Seafood for health and well-being" <http://www.seafoodplus.org/news/news040105.htm>

"QualityLowInputFood" <http://www qlif.org/Library/info/info1.html>

"Animal science in Central and Eastern European countries" <http://www.animal-science.net>

"Chemicals as contaminants in the food chain" <http://www.cascadenet.org>

"New strategies to improve grain legumes for food and feed" <http://www.eugrainlegumes.org>

"Network for prevention and control of zoonoses" <http://www.medvetnet.org>

"Diet , genomics and the metabolic syndromes" <http://www.LipGene.tcd.ie>

NKP: Dr. Dace Tirzīte – tirzite@latnet.lv, tel. 7229727; ES info: www.cordis.lu/fp6/food.htm

2.6. SUSTAINABLE DEVELOPMENT, GLOBAL CHANGE AND ECOSYSTEMS (ECOTECH)

FP6-2005-ENERGY- 4. Ceturtais uzsaukums 22.09.2005; iesniegšanas termiņš: 10.01.2006. **Info:** http://fp6.cordis.lu/index.cfm?fuseaction=UserSite.FP6DetailsCallPage&call_id=236

Activity Code	Areas addressed	Applicable instruments
SUSTDEV	Sustainable development, global change and ecosystems	
SUSTDEV-1	Sustainable Energy Systems	
SUSTDEV-1.2	Research activities having an impact in the medium and longer term	
SUSTDEV-1.2.1	Fuel cells and their applications	STREP,CA,SSA
SUSTDEV-1.2.2	New technologies for energy carriers - Hydrogen	STREP, SSA
SUSTDEV-1.2.3	New technologies for energy carriers - Electricity	SSA
SUSTDEV-1.2.4	New and advanced concepts in renewable energy technologies - PV	STREP, CA
SUSTDEV-1.2.5	New and advanced concepts in renewable energy technologies - Biomass	IP,STREP,SSA
SUSTDEV-1.2.7	Capture and sequestration of CO2, associated with cleaner fossil fuel plants	STREP, CA SSA

FP6-2002-Transport-2. Iesniegšanas termiņš 03.2006.

http://fp6.cordis.lu/index.cfm?fuseaction=UserSite.FP6DetailsCallPage&call_id=21#

Activity Code	Areas addressed	Applicable instruments
SUSTDEV	Sustainable development, global change and ecosystems	
SUSTDEV-2	Sustainable surface transport	
SUSTDEV-2.1	Developing environmentally friendly and competitive transport systems and means of transport	SSA
SUSTDEV-2.1.1	New technologies and concepts for all surface transport modes	SSA

	(Road, Rail and Waterborne)	
SUSTDEV-2002-3.1.2.1.4	Propulsion based on alternative and renewable fuels	SSA
SUSTDEV-2002-3.1.2.1.5	Development of zero or near-zero emission propulsion	SSA
SUSTDEV-2002-3.1.2.1.6	Development of holistic noise abatement solutions	SSA
SUSTDEV-2002-3.1.2.1.7	Integration and validation of measurement and sensing technologies	SSA
SUSTDEV-2002-3.1.2.1.8	Supply and delivery of alternative and renewable fuels	SSA
SUSTDEV-2002-3.1.2.1.9	More effective organisation of urban transport	SSA
SUSTDEV-2002-3.1.2.1.10	Scenarios for the transport system and energy supply of the future	SSA
SUSTDEV-2.1.2	Advanced design and production techniques	SSA
SUSTDEV-2002-3.2.2.2.1	Integration and standardisation of enhanced product development tools	SSA
SUSTDEV-2002-3.2.2.2.2	Application of advanced design and manufacturing techniques	SSA
SUSTDEV-2002-3.2.2.2.3	Development of advanced, low-mass material structures and systems	SSA
SUSTDEV-2002-3.2.2.2.4	Integration of clean and economic manufacturing techniques	SSA
SUSTDEV-2002-3.2.2.2.5	Strategies and processes for clean maintenance, dismantling and recycling of vehicles and vessels	SSA
SUSTDEV-2002-3.2.2.2.6	Design and manufacture of new construction concepts for road, rail and inter-modal infrastructures	SSA
SUSTDEV-2002-3.2.2.2.7	Design and manufacturing technologies to improve vehicle/vessel interfaces	SSA
SUSTDEV-2.2	Making rail and maritime transport safer, more effective and more competitive	SSA
SUSTDEV-2.2.1	Re-balancing and integrating different transport modes	SSA
SUSTDEV-2002-3.3.2.3.15	Development of new inter-modal vehicle/vessel concepts	SSA
SUSTDEV-2002-3.3.2.3.16	Development of logistics systems and concepts	SSA
SUSTDEV-2002-3.3.2.3.17	Technologies to ensure effective, clean and safe operations of vehicles/vessels in terminals	SSA
SUSTDEV-2002-3.3.2.3.14	Development of vehicle and vessel concepts, characterised by interoperability and inter-connectivity	SSA
SUSTDEV-2.2.2	Increasing road, rail and waterborne safety and avoiding traffic congestion	SSA
SUSTDEV-2002-3.4.2.4.11	Integrating assistance and decision support tools to facilitate driving, piloting and manoeuvring	SSA
SUSTDEV-2002-3.4.2.4.12	Developing technologies to acquire and predict information on infrastructure conditions and parameters	SSA
SUSTDEV-2002-3.4.2.4.13	Developing integrated safety systems (preventive, active and passive) taking into account Human-Machine Interface (HMI)	SSA
SUSTDEV-2002-3.4.2.4.14	Designing user-friendly driver interfaces	SSA
SUSTDEV-2002-3.4.2.4.15	Developing computer-based training systems	SSA
SUSTDEV-2002-3.4.2.4.16	Development of a large-scale integration and validation platform for the realisation of the intelligent transport vehicle and infrastructure of the future	SSA

FP6-2005-TREN-4. Ceturtais uzsaukums: 08.07.2005; iesniegšanas termiņš: 22.12.2005. Info: http://fp6.cordis.lu/index.cfm?fuseaction=UserSite.FP6DetailsCallPage&call_id=224

Activity Code	Areas addressed	Applicable

SUSTDEV-2005-1.1.1-7	All	CA, SSA
SUSTDEV-1.1.3	Eco-buildings	STREP
SUSTDEV-1.1.4	Polygeneration	STREP
SUSTDEV-2005-1.1.6	CONCERTO II – Managing energy demand and renewable energy supply in high performance communities	IP
SUSTDEV-2005-1.1.7-1	Grid issues - Distributed generation	STREP, CA SSA
SUSTDEV-2005-1.1.7-2	Grid issues - Management of electricity grids linked to large scale wind power generation	STREP, CA SSA
SUSTDEV-2005-1.1.8-1	Thematic Promotion and Dissemination - Renewable electricity technologies	SSA
SUSTDEV-2005-1.1.8-2	Thematic Promotion and Dissemination - Renewable heating and cooling technologies	SSA
SUSTDEV-2005-1.1.8-3	Thematic Promotion and Dissemination - Production and distribution of liquid and gaseous biofuels	SSA
SUSTDEV-2005-1.1.8-4	Thematic Promotion and Dissemination - Eco-buildings	SSA
SUSTDEV-2005-1.1.8-5	Thematic Promotion and Dissemination - Polygeneration	SSA
SUSTDEV-2005-1.1.8-6	Thematic Promotion and Dissemination - Energy demand management and renewable energy supply in high performance communities	SSA
SUSTDEV-2005-1.1.8-7	Thematic Promotion and Dissemination - Alternative motor fuels	SSA
SUSTDEV-2	Sustainable surface transport	
SUSTDEV-2.1	Developing environmentally friendly and competitive transport systems and means of transport	
SUSTDEV-2.1.1	New technologies and concepts for all surface transport modes (Road, Rail and Waterborne)	
SUSTDEV-2005-3.1.1.1.6	CIVITAS dissemination and best practice transfer action	SSA
SUSTDEV-2.2	Making rail and maritime transport safer, more effective and more competitive	
SUSTDEV-2.2.1	Re-balancing and integrating different transport modes	
SUSTDEV-2005-3.3.1.3.4	New concepts for trans-European rail freight services	IP
SUSTDEV-2005-3.3.1.3.6	Motorways of the sea (MoS)	IP
SUSTDEV-2005-3.3.1.3.7	EU co-ordination and promotion forum on intermodal passenger travel	CA
SUSTDEV-2005-3.3.1.3.8	Knowledge base for intermodal passenger travel	STREP
SUSTDEV-2005-3.3.1.3.13	Vessel data management (Voyage data recorder, Electronic logbooks)	STREP
SUSTDEV-2.2.2	Increasing road, rail and waterborne safety and avoiding traffic congestion	
SUSTDEV-2005-3.4.1.4.11	Improve infrastructure cost allocation methods	STREP
SUSTDEV-2005-3.4.1.4.12	Design appropriate contractual relationships	STREP

FP6-2005-Global-4: Ceturtais uzsaukums: 19.07.2005; iesniegšanas termiņi: 03.11.2005. un 02.03.2006. http://fp6.cordis.lu/index.cfm?fuseaction=UserSite.FP6DetailsCallPage&call_id=211

Activity Code	Areas addressed	Applicable instruments
SUSTDEV	Sustainable development, global change and ecosystems	
SUSTDEV-3	Global change and ecosystems	
SUSTDEV-3.1	Impact and mechanisms of greenhouse gas emissions and atmospheric pollutants on climate, ozone depletion and carbon sinks	
SUSTDEV-3.1.1	Carbon and Nitrogen cycles: sources and sinks	
SUSTDEV-2005-3.I.1.1	Regional carbon and greenhouse gas budgets	STREP, CA
SUSTDEV-3.1.2	Atmospheric pollutants and their regional impacts	
SUSTDEV-2005-3.I.2.1	Atmospheric composition change: Methane, NitrousOxide and Hydrogen	STREP CA
SUSTDEV-2005-3.I.2.2	Atmospheric aerosols and climate forcing	IP
SUSTDEV-3.1.4	Prediction of climatic change and its impacts	
SUSTDEV-2005-3.I.3.1	Climate change impacts in the Mediterranean area	IP
SUSTDEV-2005-3.I.3.2	Climate changes in central-eastern Europe	STREP, CA

SUSTDEV-3.2	Water cycle including soil-related aspects	
SUSTDEV-3.2.1	Hydrology and climate processes	
SUSTDEV-2005-3.II.1.1	Global Water Cycle, Water Resources and Droughts	IP
SUSTDEV-2005-3.II.1.2	Flash-flood forecasting	STREP, CA
SUSTDEV-3.2.2	Ecological impact of global change, soil functioning and water quality	
SUSTDEV-2005-3.II.2.1	Integrated risk-based management of the water-sediment-soil system at river-basin scale	STREP CA
SUSTDEV-3.2.3	Integrated management strategies and mitigation technologies	
SUSTDEV-2005-3.II.3.1	Source control of priority substances	STREP, CA
SUSTDEV-2005-3.II.3.2	New concepts and processes in wastewater treatment	STREP
SUSTDEV-2005-3.II.3.3	Advanced technologies for locating, maintaining and rehabilitating buried infrastructures	STREP CA
SUSTDEV-2005-3.II.3.4	Advances in desalination	STREP, CA
SUSTDEV-2005-3.II.3.5	Water in Agriculture: new systems and technologies for irrigation and drainage	STREP CA
SUSTDEV-2005-3.II.3.6	Twinning European/third countries river basins	STREP CA
SUSTDEV-2005-3.II.3.7	Sustainable sanitation in Africa	STREP CA
SUSTDEV-2005-3.II.3.8	A knowledge network for solving real-life water problems in developing countries	CA
SUSTDEV-3.2.4	Scenarios of water demand and availability	
SUSTDEV-2005-3.II.4.1	Water scenarios for Europe and for neighbouring countries	IP
SUSTDEV-3.3	Biodiversity and ecosystems	
SUSTDEV-3.3.1	Assessing and forecasting changes in biodiversity, structure, function and dynamics of ecosystems and their services, with emphasis on marine ecosystems functioning	
SUSTDEV-2005-3.III.1.1	Develop model(s) and simulation(s) to assess and forecast changes in terrestrial biodiversity and ecosystems	IP
SUSTDEV-2005-3.III.1.2	Assess and forecast changes in the Mediterranean and Black seas ecosystems and their ability to provide services	IP
SUSTDEV-3.3.2	Relationships between society, economy, biodiversity and habitats	
SUSTDEV-2005-3.III.2.1	Shaping biodiversity conservation strategies for terrestrial and fresh water ecosystems	CA
SUSTDEV-3.4	Mechanisms of desertification and natural disasters	
SUSTDEV-3.4.1	Mechanisms of desertification	
SUSTDEV-2005-3.IV.1.1	Combat land degradation and desertification	IP
SUSTDEV-3.4.2	Natural Disasters	
SUSTDEV-2005-3.IV.2.1	Reduction of seismic risks	STREP, CA
SUSTDEV-2005-3.IV.2.2	Assessment and reduction of tsunami risk in Europe	STREP, CA
SUSTDEV-3.5	Strategies for sustainable land management, including coastal zones, agricultural land and forests	
SUSTDEV-3.5.1	Sustainable use of land	
SUSTDEV-2005-3.V.1.1	Strategies for sustainable urban, peri-urban and rural land use relationships	IP
SUSTDEV-2005-3.V.1.2	Development of tools for impact assessment of land uses policies on the sustainable development of developing countries	STREP CA
SUSTDEV-2005-3.V.1.3	Sustainable Development and Integrated Coastal Zone Management	IP
SUSTDEV-3.6	Operational forecasting and modeling including global climatic change observation systems	
SUSTDEV-3.6.1	Development of observing and forecasting systems	
SUSTDEV-2005-3.VI.1.1	European underwater ocean observatory system	NoE
SUSTDEV-2005-3.VI.1.2	Integrated development of European coastal and regional seas forecasting systems	IP
SUSTDEV-2005-3.VI.1.3	European atmospheric observation systems	IP
SUSTDEV-2005-3.VI.1.4	Framework for economic and social aspects of the 10 year Implementation Plan of the GEO	STREP CA
SUSTDEV-3.7	Complementary Research	
SUSTDEV-3.7.1	Development of advanced methodologies for risk assessment	

SUSTDEV-2005-3.VII.1.1	Intelligent testing strategy for chemicals	IP
SUSTDEV-2005-3.VII.1.2	Life Cycle Analysis	CA
SUSTDEV-3.7.2	Appraisal of environmental quality, population health and monitoring tools	
SUSTDEV-2005-3.VII.2.1	Validating, disseminating and exploiting best practices and decision-support tools for environment and health assessment and policy support	CA
SUSTDEV-2005-3.VII.2.2	Development of methods and tools for environment and health impact assessment and cost-benefit analysis for building and assessing future environment and health scenarios	IP
SUSTDEV-2005-3.VII.2.3	Health, economic and social impacts of extreme events Health	IP
SUSTDEV-3.8	Cross-cutting issue: Sustainable Development concepts and tools	
SUSTDEV-3.8.1	Estimating thresholds of sustainability and externalities	
SUSTDEV-2005-3.VIII.1.1	Elaboration of new accounting frameworks of environmental externalities	IP
SUSTDEV-2005-3.VIII.1.2	Verification and testing networks	STREP, CA
SUSTDEV-3.9	Cross-cutting issue: Specific support actions	
SUSTDEV-2005-3.IX	Specific Support Actions	SSA

Eiropas komisija ir izveidojusi jaunu mājas lapu saistībā ar pētniecību vides jomā: http://europa.eu.int/comm/research/environment/index_en.htm

Informācija par apstiprinātajiem 6. Ietvara projektiem 6. tematiskā prioritātē ir pieejama CORDIS mājaslapā: <http://www.chp-research.com/>
Uzmanību, konferences enerģijas jomā!!!

[Renewable energies for Europe](#)

The event, organised by the European Commission, aims to present the important role that renewable energy research plays in Europe, and to enhance awareness among stakeholders of the opportunities ahead. Brussels, Belgium, 21-22 November 2005

1st Annual European Energy Policy Conference - Shaping the Future of the Energy Industry in Europe 28-29 November 2005, Le Châtelain All Suite Hotel, Rue de Chatelain 17, Brussels, Belgium,

http://www.epsilonevents.com/eps_current_event.asp?id=2&type=current

NKP: Andis Zilāns – aab.kristine@apollo.lv, tel. 7518014, ES info: <http://www.cordis.lu/fp6/sustdev.htm>

2.7. CITIZENS AND GOVERNANCE IN A KNOWLEDGE-BASED SOCIETY (KNOWLEDGE SOCIETY)

SEPTĪTĀS PRIORITĀTES FINANSĒTOS PROJEKTUS MEKLĒT: [HTTP://WWW.CORDIS.LU/CITIZENS/PROJECTS.HTM](http://www.cordis.lu/citizens/projects.htm).

NKP: Dr. Arnolds Ūbelis – arnolds@latnet.lv, tel. 7229727, ES info: <http://www.cordis.lu/fp6/citizens.htm>

2.8. POLICY-ORIENTED RESEARCH,

NKP: Dr. Dace Tirzīte – tirzite@latnet.lv, tel. 7229727; ES info: www.cordis.lu/fp6/food.htm

2.9. NEW AND EMERGING SCIENCE AND TECHNOLOGY (NEST)

NEST programmā vairs nebūs "ADVENTURE" projektu konkursu, bet 27. oktobrī ir izsludināti pēdējie konkursi:

- **New NEST call:** On October 27, 2005 the new NEST call for proposals with **February 15, 2006 as closing date** will be published. This call is open only for dedicated projects in one of the five PATHFINDER initiatives 2005/2006. For more information, please consult the [NEST work programme 2005/2006 \(now available\)](#).
- **PATHFINDER initiatives 2005/2006:** NEST calls for project proposals in five distinct fields: "[Tackling Complexity in Science](#)", "[Synthetic Biology](#)", "[Measuring the Impossible](#)", "[Cultural Dynamics: from transmission and change to innovation](#)", "[What it means to be human](#)". For more information, please consult the corresponding [reference documents \(now available\)](#).
- **NEST publishes High-Level Expert Group Reports on:** [Synthetic Biology – Applying Engineering to Biology](#), [What it means to be Human](#) and [New and Emerging Themes on Industrial and Applied Mathematics](#)

Running PATHFINDER projects: [Latest fact sheets and abstracts](#) available

NKP: Dr. Arnolds Ūbelis – arnolds@latnet.lv, tel. 7229727

2.11. HORIZONTAL RESEARCH ACTIVITIES INVOLVING SMEs (SME)

Aktuāla ir SMEs līdzdalība un iesaistīšanās Integrētos projektos un Ekselences tīklos. Lūdzu sekot šo projektu informācijai.

NKP: Dr. Juris Balodis – jbalodis@latnet.lv, tel. 7558754. ES info: <http://www.cordis.lu/fp6/sme.htm>

2.12. SPECIFIC MEASURES IN SUPPORT OF INTERNATIONAL CO-OPERATION (INCO)

Aizvien vēl iespējams pieteikt projektus 2004.gada 17.decembrī izsludinātajos konkursos:

FP6-2002-INCO-DEV/SSA-1	Specific Support Actions (SSA) for Developing countries (DEV). Closing date - March 2006, at 17.00
FP6-2002-INCO-Russia+NIS/SSA-4	Specific Support Actions (SSA) for Russia and other NIS. Closing date: 06 March 2006, at 17.00. D.1. ENVIRONMENTAL PROTECTION D.2. ADJUSTING THE SYSTEM OF INDUSTRIAL PRODUCTION AND COMMUNICATION D.3. HEALTH PROTECTION
FP6-2002-INCO-COMultilatRTD/SSA-5	Specific Support Actions (SSA) for Multilateral co-ordination of national RTD policies and activities. Closing dates: 06 March 2006, at 17.00 Issues: Strengthening of coordination with other foreign policy instruments and definition of research priorities
FP6-2004-INCO-MPC-3	Specific Support Actions (SSA) for Mediterranean Partners Countries (MPC). Closing dates: 06 March 2006, at 17.00 B.1 ENVIRONMENT B.1.1 Comprehensive WATER POLICY and integrated planning B.1.2 Improving the water consumption efficiency and effectiveness by users and uses. Plant breeding for efficient crop water and nutrient use B.1.3 Advanced water treatment, re-use and energy implications B.1.4 Environmental risks (SSA) - Seismic risks - Water related risk and environmental security B.1.5 Renewable energies for Mediterranean specific needs B.2 PROTECTION and CONSERVATION OF CULTURAL HERITAGE B.2.1 Materials, artefacts, monuments and sites: new technologies and characterisation B.2.2 Simulation, re-creation, comparative preservation methodology B.2.3. Risk assessment and preventive conservation B.3 HEALTH - Health information and health management systems in support to health sector development and health policies responding to emerging population needs. - Research on regionally prevalent genetic disorders including appropriate strategies for integrated case management - Trans-border biological and epidemiological aspects of surveillance and control of major regionally relevant communicable diseases - Trauma and conflict

NKP: Ingrida Kalviņa – Ingrida.Kalvina@lu.lv, tel. 77034410, ES info: <http://www.cordis.lu/fp6/inco.htm>

2.13. SUPPORT FOR THE CO-ORDINATION OF ACTIVITIES (CO-ORDINATION)

NKP: Dr. Gita Revalde – Gita.Revalde@izm.gov.lv tel. 7047963, ES info: www.cordis.lu/coordination/home/html

2.14. RESEARCH AND INNOVATION (INNOVATION)

Uzmanību!!! Tikko publicēti jauni uzsaukumi un tenderi!

- New Calls: 05.10.2005: [FP6-2005-INNOV-9-Strand-1](#), [FP6-2005-INNOV-9-Strand-2](#), [FP6-2005-INNOV-9-Strand-3](#), [FP6-2005-INNOV-9-Strand-4](#) and [FP6-2005-INNOV-9-Strand-5](#), Deadline 05.01.2005.
- New Calls for Tenders: 30.09.2005: [2005/S 189-185710](#) and [2005/S 189-185713](#)
- New Calls for Tenders: 27.09.2005: [2005/S 184-181256](#), [2005/S 186-183026](#), [2005/S 186-183027](#) and [2005/S 186-183028](#)
- New Call for Tender: 22.09.2005: [2005/S 183-180413](#)
- Call: 22.09.2005: [FP6-2005-Energy-4](#)
- New Call for Tender: 20.09.2005: [2005/S 181-178543](#)
- Call for Tender: 10.09.2005: [2005/S 175-173232](#)
- Call: 02.09.2005: [FP6-2005-RTD-OMC-NET](#)

NKP: Gundega Lapiņa – gundega@edi.lv, tel. 7540703, Info: <http://www.cordis.lu/fp6/innovation.htm>

2.15. MARIE-CURIE ACTIONS. HUMAN RESOURCES AND MOBILITY

Mobility-3: Zināšanu pārnese, termiņš 25.01.2006.

Mobility-4: Zināšanu pārnese, termiņš maijs, 2006.

Mobility-5: M.Kirī individuālās stipendijas Eiropā, termiņš 19.01.2006.

Mobility-6: M.Kirī stipendijas braucieniem ārpus Eiropas savienības, termiņš 18.01.2006.

Mobility-7: M.Kirī stipendijas braucieniem uz Eiropas Savienību, termiņš 18.01.2006.

Mobility-8: Ekselences granti, termiņš 25.01.2006.

Mobility-9: Ekselences apbalvojumi, termiņš 15.02.2006..

Mobility-10: Marijas Kirī profesori, termiņš 25.01.2006.

Mobility 11 un Mobility 12: atgriešanās stipendiju konkursi. Termiņi 19.10.05, 19.01.06.

Uzmanību!!! Zinātniskā darba treniņa iespējas ES 5-ās un 6-tās letvara programmu projektos,:
<http://mc-opportunities.cordis.lu/>

- **Pētniecības treniņu tīkli** - Darba vietu vakances esošos treniņtīklos jauniem zinātniekiem ar MSc vai Dr grādiem - alga no 1200 līdz 5000 €/mēn. Dažos tīklos praktiski nav konkursa.
- Marijas Kirī **apmācību vietas doktorantiem un citas vakances**
http://mc-opportunities.cordis.lu/home_vac.cfm
- **Konferences** - http://mc-opportunities.cordis.lu/home_evt.cfm

NKP: Ligita Liepiņa – ligita.liepina@lu.lv, tel. 7034481, ES info: <http://www.cordis.lu/fp6/mobility.htm>

NKP: Ligita Liepiņa – Ligita.Liepina@lu.lv, tel. 7034481, ES info: <http://www.cordis.lu/fp6/mobility.htm>

2.14. SUPPORT FOR RESEARCH INFRASTRUCTURES (RESEARCH INFRASTRUCTURES)

NKP: Dr. Arnolds Ūbelis – arnolds@latnet.lv, tel. 7229727, ES info: <http://www.cordis.lu/infrastructures/>

2.15. SCIENCE AND SOCIETY

Patreiz ir divi jauni projektu konkursi:

FP6-2005 Science and Society – 20, Science shops, Launched 15.11.05 - deadline March 30, 2006.

FP6-2005 Science and Society – 16, Science educations and cariers, launched 11.10.05, deadline March 30, 2006.

SOCIETY-3.2 Young peoples' interest in scientific careers:

SOCIETY-WP2005-4.3.4.3 (a) School science teaching practice - CA and SSA projects;

SOCIETY-WP2005-4.3.4.3 (b) Boys' and girls' perceptions of science - CA and SSA projects;

SOCIETY-WP2005-4.3.4.3 (c) Performance indicators and priority setting - CA and SSA projects;

NKP: Dr. Arnolds Ūbelis – arnolds@latnet.lv, tel. 7229727, ES info: <http://www.cordis.lu/fp6/society.htm>

2.16. SUPPORT FOR THE CO-ORDINATION OF ACTIVITIES (CO-ORDINATION)

NKP: Dr. Dace Tirzīte – tirzite@latnet.lv, tel. 7229727, ES info: <http://www.cordis.lu/fp6/coordination.htm>

2.17. DEVELOPMENT OF RESEARCH/INNOVATION POLICIES (COHERENT DEVELOPMENT OF POLICIES)

Uzmanību!!! Konkurss (FP6-2005-INNOV-9-Strand-5.) “Support to Innovation policy learning and development”, launched 05.10.2005, deadline 05.01.2006. SSA projekti: global review of innovation intelligence and policy studies (GRIPS)

Uzmanību!!! Konkurss (SUPPORT – 2005 –2.1) “Support to Mutual Learning and coordinations in Research policy making”, launched 02.09.2005, deadline 03.02.2006. CA projekti

ES info par aktivitāti: <http://www.cordis.lu/fp6/policies.htm>

2.18. JRC ACTIVITIES (JRC)

NKP: Dr. Arnolds Ūbelis – arnolds@latnet.lv, tel. 7229727, ES info: <http://www.jrc.cec.eu.int/>

2.19. NUCLEAR ENERGY (EURATOM)

Controlled thermonuclear fusion

Management of radioactive waste

Radiation protection

Other activities in the field of nuclear Technologies and safety

Jauns konkurss: Euroatom Research and Training programme on nuclear energy; laiunched 04.10.05.

deadline 31.01.2006. Research training Network projects: Actions to Promote and develop Human resources and mobility.

NKP: Dr. Janis Bērziņš – jberzins@latnet.lv, tel. 7945840,

ES info: <http://www.cordis.lu/fp6/fusion.htm>, <http://www.cordis.lu/fp6/waste.htm>, <http://www.cordis.lu/fp6/protection.htm>,
<http://www.cordis.lu/fp6/nuctech.htm>

3. Aktivitātes un veiksmes

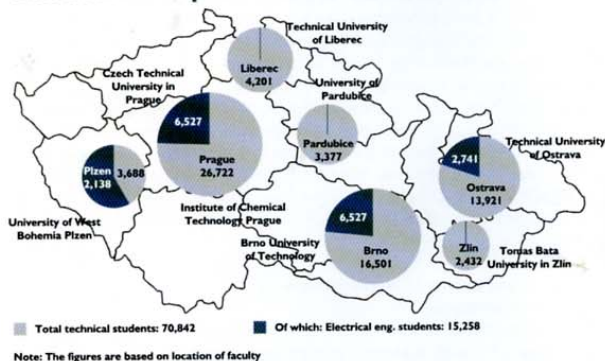
Uzmanību!!! NKP ar zināmu LZP un LZA atbalstu 12.decembrī plāno rīkot informācijas dienu “Zinātne bez robežām” par NEST programmas konkursiem un Fundamentālās zinātnes iespējām Septītajā ietvara programmā. Precīza informācija tiks izsūtīta nākošajā nedēļā.

Uzmanību!!! 6IP projektu konkursu paliek aizvien mazāk un mazāk, bet tas nenozīmē, ka iespējas ir izsmeltas. Varbūt ir tieši otrādi. Daudziem Integrētiem projektiem ir uzdevums paplašināt konsorcijs un tie, kas rūpīgi sekos procesam var kļūt par labiem ieguvējiem. Lūdzu sekojiet informācijai: www.cordis.lu/fp6/projects_call.htm

PIELIKUMI:

The Czech Republic offers cost structures competitive with China, the Czech university system provides the full spectrum of microelectronics and semiconductor educated manpower (including microelectronics study programmes at four technical universities), an extensive investment incentives scheme is in play, the Czech accounting system allows one of the fastest depreciation schemes in the world... Such advantages for investing are indeed hard to compete with.

Intellectual capital - Czech Universities



Conclusions of Feasibility Study on the Semiconductor Industry:

According to a worldwide study¹ of the semiconductor industry conducted by AngelouEconomics in April 2004:

The Czech Republic was defined as a top region with secondary, technical, and university education programmes customized for the semiconductor industry and high enrolment in these programmes. The Czech Republic scored 74 points out of 100 with regard to its qualifications for semiconductor investment.

Labour is one of the country's strongest selling points. Czech workers are among the most technically skilled in Europe and cost less than in most western European countries. The Czech Republic has ample engineers (fab operators and technicians, designers) to supply multiple fabs.

The Czech Republic was approved to become one of the regions with a good base for developing semiconductor and microelectronics/electronics activity. Most regions with this qualification contain a fab, foundry, or major high-tech activity. High capacity infrastructure is available. Richmond (Virginia, USA); East Fishkill (New York, USA) or Scotland are a few benchmarking examples.

In terms of infrastructure, the industrial sites in Zatec, Usti region, and Brno in South-Moravian region were identified as suitable for wafer fabrication. Each of them rank among top regions with high-capacity and quality water, power and natural gas infrastructure and many tracts of land available for large-scale manufacturing. The sites require minimal infrastructure upgrades.

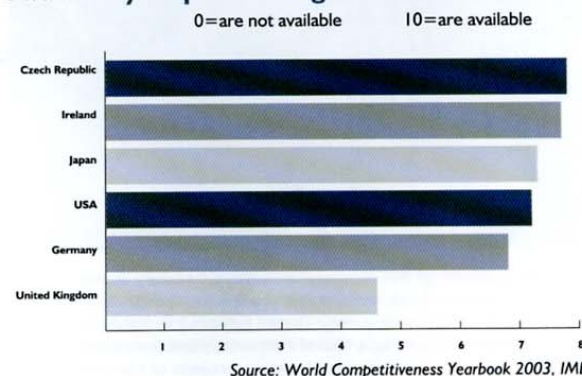
The manufacturing and electronics sectors are growing. A large number of major foreign investors in the Czech Republic are global electronics companies. The Czech Republic's business climate is conducive for manufacturing companies.

¹ AngelouEconomics is a Texas-based consulting firm specialized in microelectronics, which evaluated the Czech Republic and its ability to host a chip foundry or a final microelectronics assembly plant.

Power semiconductor components have in the Czech Republic an outstanding tradition both in design and fabrication. Transistors, diodes, thyristors and other components have been manufactured in the Czech Republic since the 1960s and have been supplied to final customers worldwide.

Excluding former East Germany, the Czech Republic has the only wafer fabrication facilities found in Central and Eastern Europe, namely ON Semiconductor in the town of Roznov pod Radhostem, North-Moravian region.

Availability of qualified engineers on the market



Average wages in electronics sector in 2004

POSITION	CZK/month	EUR/month
EE devices designer	30,650	961
Electronics and telecom systems designer	29,819	935
Technician of electronics and EE devices	24,277	761
Electronics and EE manufacturing foreman	21,509	674
Assembly electronics operator	12,976	407

Exchange Rate: 31.90 CZK/EUR (Average Exchange Rate in 2004)

Source: Trexima, Ministry of Labour and Social Affairs, 2004

Nearly one hundred years' tradition

The tradition of the Czech electronic sector extends back to the early twentieth century when companies such as Blaupunkt, Elektra-Philips, Telegrafia, Prchal-Ericsson and Makrofon operated in then Czechoslovakia.

In early 1946, the national enterprise Tesla was founded, which during the post-war years of nationalization absorbed 68 companies in the electronics and electrical field. During the second half of the twentieth century Tesla had about 60 branches around the country that operated in various fields and also had their own R&D centres, so-called research institutes, that enabled them to keep pace with global technical and technological developments. Many of these centres were terrific successes and some of them after the country's return to a market economy (after the Velvet Revolution in November 1989) became the main source of the scientific work force for successful private companies. One example of these is Tescan.

