

Dr. Arnolds Ūbelis

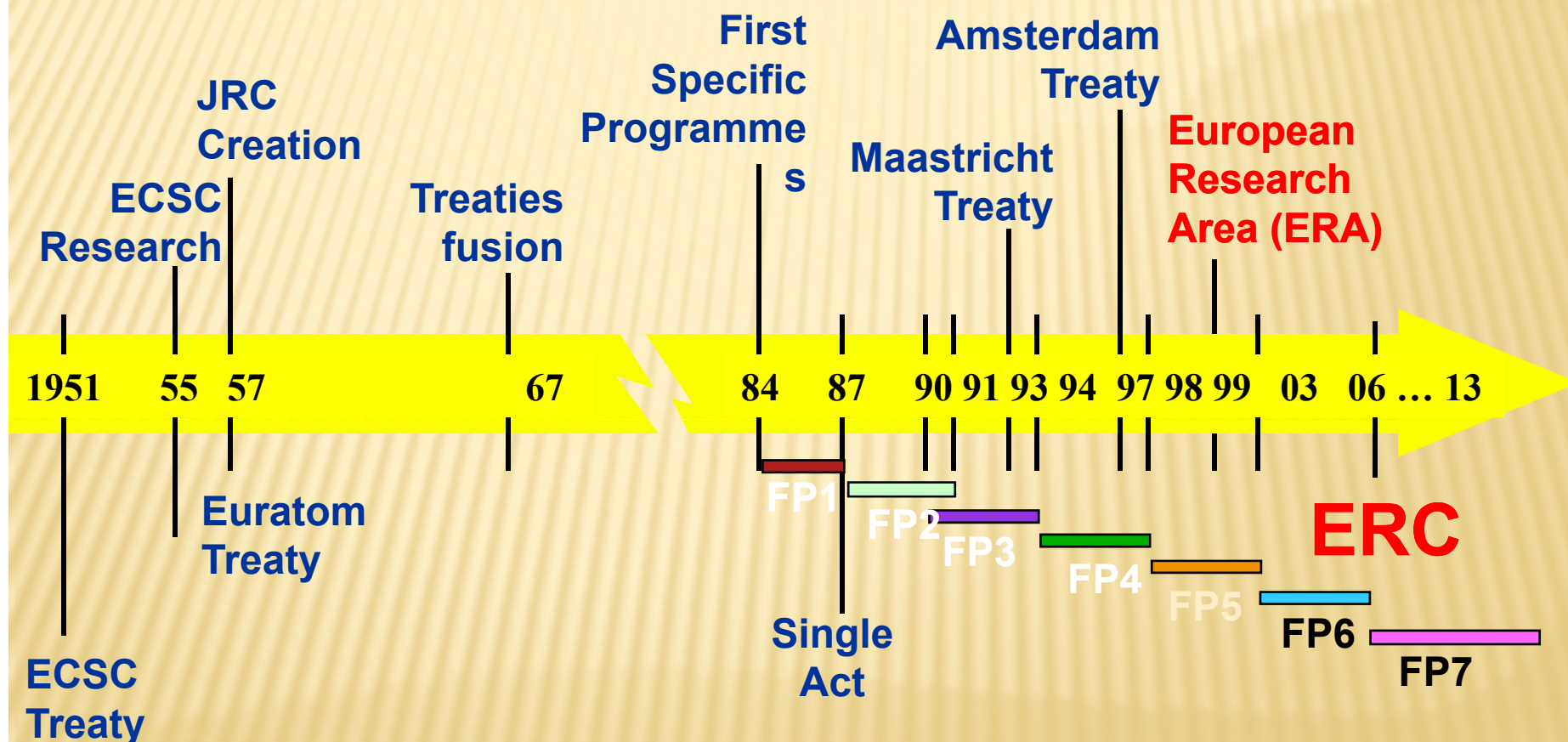
(Latvijas ES 7IP Nacionālo kontaktpunktu sistēma, NCP System in Latvia)

Latvijas līdzdalība FP7 sadaļu:

**IDEAS, PEOPLE un RESEARCH INFRASTRUCTURE
projektu izpildē –**

***Latvian participation in FP7 IDEAS, PEOPLE and
RESEARCH INFRASTRUCTURE projects***

Research in the European Integration Process



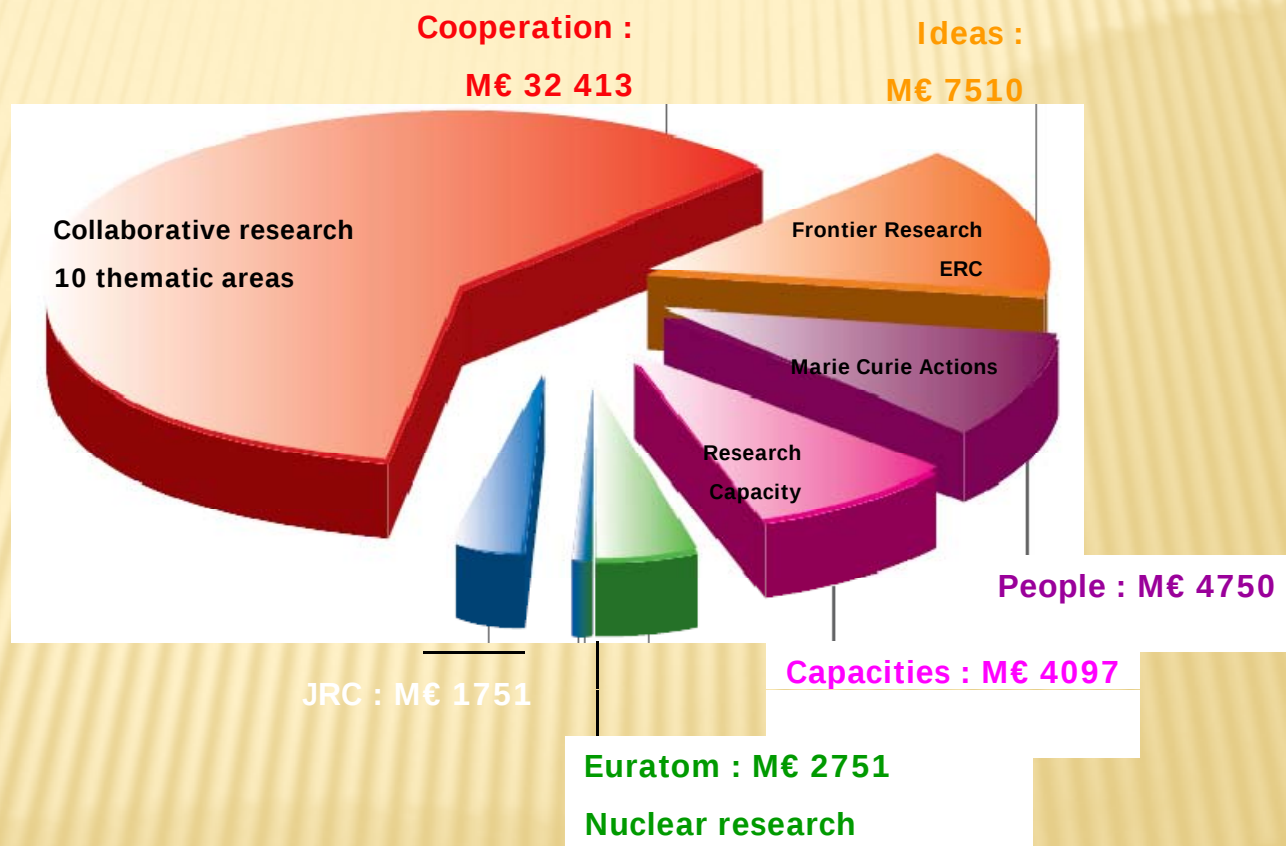
EU's main instrument for funding research

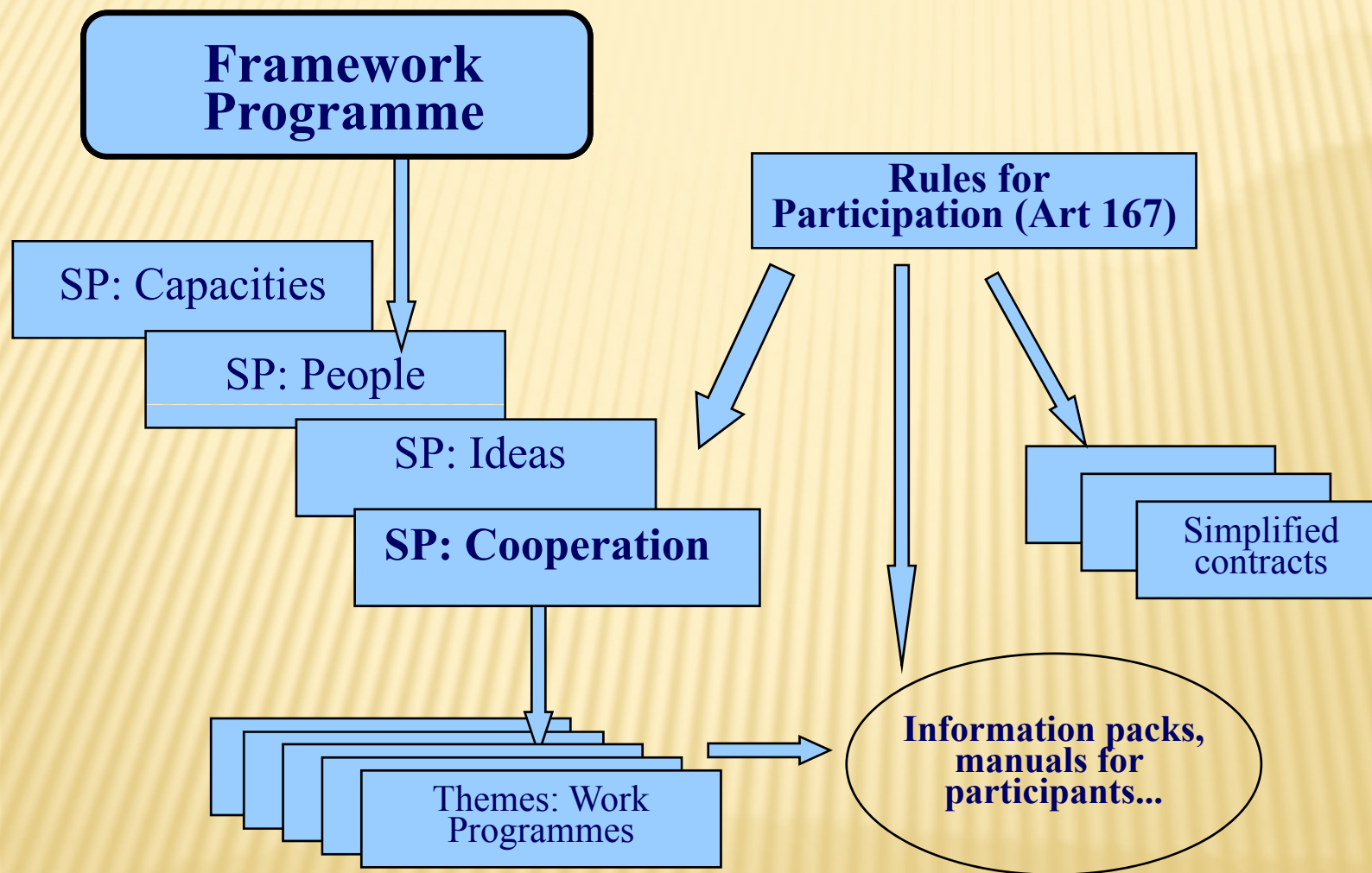
Aim : Contribute to the EU becoming the world's leading research area

FP7 basic structure elements



FP7 overview (2007-2013)
Total EC budget : M€ 50 521





Theme 4 will have its own work programme

A. Ūbelis arnolds@latnet.lv LV NCP System

Formula of 99% success in EU Framework Programme!!!

- **General as a whole:**
You need to work in partnership in spite of national borders
- **General for the participants in the projects' consortia of FP7 as a whole:**
You need to be a strong partner in strong consortium with advanced coordinator!!!
- **General for the coordinators of the projects' consortia of FP7 as a whole:**
You need to have science idea disturbing your sleeping during the night, but key words of that should have coincidence with relevant key words in the specific work programme of targeted call for proposals.

PEOPLES – Latvian statistics for FP7

IP7	Kopā		2007		2008		2009		2010	
Kopējais iesniegto projektu skaits	57		17		17		18		5	
Atbalstāmo (Retained) projektu skaits	14		3		4		5		2	
t.sk. CSA-SA	4	4	1	1	1	1	1	1	1	1
t.sk. CSA-CA	2	0	2							
t.sk. MC-ERG	1	0	1							
t.sk. MC-IAPP	3	0	1		1		1			
t.sk. MC-ITN	24	3	7		10	2	7	1		
t.sk. MC-IRG	7	4	4	2	2	1	1	1		
t.sk. MC-IEF	4	0	1		2		1			
t.sk. MC-IIF	2	0			1		1			
t.sk. MC-IRSES	8	3					4	2	4	1
t.sk. MC-IOF	2	0					2			
Sekmība	25%		18%		24%		28%		40%	
Slieksni pārsniegušo (Above threshold) projektu skaits	18		6		6		6			
Kopējais Latvijas dalībnieku skaits	90		25		25		26		14	
t.sk. atbalstāmie	46		11		12		12		11	
Kopējais sagaidāmais finansējums, €	1593213		262730		616050		597160		117273	

PEOPLES – INITIAL TRAINING NETWORKS

Projekta nosaukums	Koordinātors	LV dalībnieks konsorcijā	Dalībnieku skaits un vērtējums
Scientific Training in Antimicrobial Research Strategies, STARS, 238490	Wageningen Universitiet, Host-Microbe Interactomics(NL), Prof. Wells Jerry,	Latvian Institute of Organic Synthesis, Jirgensons Aigars	7 90,4
Common Language Resources and their Applications CLARA, 238405	UNIVERSITETET I BERGEN (NO), Prof. De Smedt Koenraad,	SIA TILDE, Language and Reference Systems, Dr. Skadiņa Inguna,	9 88,6
Urban, peri-urban and regional food dynamics: toward an integrated and territorial approach to food PUREFOOD, 264719	WAGENINGEN UNIVERSITEIT(NL)	Latvijas Universitātē Tālis Tisenhofs	7 95 no 100

PEOPLES – Latvian statistics for IRG

Projekta nosaukums	Koordinātors	LV dalībnieks konsorcijā	Dalībnieku skaits un vērtējums
<i>Quantum algorithms and the foundations of quantum computation, QAQC 224886</i>	<i>UNIVERSITY OF LATVIA(LV), Prof. Juris Borzovs,</i>	<i>Institute of Mathematics and Computer Science, University of Latvia, asoc.prof. Dr. Andris Ambainis,</i>	<i>88 no 100</i>
Realignment: ENHANCING IMPLANT PERFORMANCE THROUGH STRUCTURAL REARRANGEMENTS IN HYDROXYAPATITE Realignment, 249306	Riga Technical University(LV),	Institute of Biomaterials and Biomechanics, RTU, Biomateriālu inovācijas un attīstības centrs, Karlis Gross	78,2 No 100
Development of Composite Nanomaterials for Hydrogen Energy Devices DeCNaHED, 231059	Institute of Solid State Physics	Institute of Solid State Physics, University of Latvia, Dr. Guntars Vaivars,	89,2 no 100
PNA ANALOGUES FOR SEQUENCE SELECTIVE RNA RECOGNITION, PNAA, 224758	Latvian Institute of Organic Synthesis(LV),	?????	89,8 no 100

PEOPLES – Latvian statistics for IRSES

Projekta nosaukums	Koordinātors	LV dalībnieks konsorciā	Dalībnieku skaits un vērtējums
Nano-carbon based components and materials for high frequency electronics CACOMEL, 247007	Technische Universität Berlin, Institut für Festkörperphysik EW 5-4(DE), Christian Thomsen,	Institute of Solid State Physics, University of Latvia, Yuri Shunin	7 83,7 no 100
Coherent manipulation of light and matter via interferences of laser-dressed states. COLIMA	University of Latvia(LV), Aigars Ekers	University of Latvia(LV), Aigars Ekers	5 80,9 no 100
Evolved stars: clues to the chemical evolution of galaxies POSTAGBinGALAXIES 269193	University of Latvia(LV), Laimonis Začš	University of Latvia(LV), Laimonis Začš	6 81 no 10

European Research Council – Latvian statistics for FP7

IP7	Kopā		2007	2008	2009
Kopējais iesniegto projektu skaits	13		5	6	2
Atbalstāmo (Retained) projektu skaits	1		0	1	0
t.sk. ERC-SG	7	0	5	2	
t.sk. ERC-AG	6	1		4	1
Sekmība	8%		0%	17%	0%
Kopējais Latvijas dalībnieku skaits	13		5	6	2
t.sk. atbalstāmie	1			1	
Kopējais sagaidāmais finans., €	131450			131450	
Kopējais prasītais finansējums, €	17514542	7981765	6033506	3499271	

European Research Council – Latvian success

Projekta nosaukums	Koordinātors	LV dalībnieks konsorciā	Dalībnieku skaits un vērtējums
<i>Culturally Composite Elites, Regime Changes and Social Crises in Multi-Ethnic and Multi-Confessional Eastern Europe. (The Carpathian Basin and the Baltics in Comparison - cc. 1900-1950). Elites08, 230518 ERC-AG-SH6 The study of the human past Rank 43.</i>	<i>Prof. Gyozo Victor Karady</i> <i>Host Organisation: Kozep-europai Egyetem HU(HU), Host Organisation: Kozep-europai Egyetem HU(HU), Prof. Gyozo Victor Karady</i>	<i>Riga Stradins University</i>	<i>88,5 no 100 otrajā kārtā</i>

Formula of 99% success!!!

- **General for the IDEAS:**
You need to have a scientific idea of frontier research making you crazy day and night!!!
- **Specific for the IDEAS:**
You should become a leader and to form strongest team in the world to work for implementation;
Absolutely favorable conditions and 100% financing;
The only limitation - host organization should be in the EU
- **General for the PEOPLE:**
You need to have advanced scientific idea making you nervous and a little bit aside from your traditional field of research!!!
- **Specific for the PEOPLE:**
You need to find colleagues and host organization capable to support specific research

Diference between IDEAS and PEOPLE (fellowship part)

**IDEAS – risky frontier research within a fully
EU- financed project**

**PEOPLE – outstanding basic research proposals
implemented together with host organization and
mainly personal costs (fellowship) paid**

Actions for the IDEAS:

- o Design long-term strategy of your career in science
- o Try and never give up - you will never lose
- o Process of learning by doing will pay back

European Commision

(in other words the Government of the European Union)

***is spending about €1 billion in a year to support frontier
research with programme***

IDEAS

<http://ERC.europa.eu>

(Contains all actual information including lists of titles of supported proposals)

How to be winner in this competition!!!!

ERC Grants - Strategic principles

- All fields of science are eligible
 - ➡ investigator-driven, bottom-up
- Excellence is the only valid criterion
 - ➡ individual team + research project
- Investment in research talent
 - ➡ Attractive, flexible grants, up to five years
 - ➡ under control of the lead researcher (PI)
- Independent individual teams in Europe
 - ➡ nationality of researchers is not relevant
 - ➡ host organisation to be located in EU or AS

ERC Starting Grant and Advanced grant Requirements

→ PI and team members

- Any nationality
- One ERC Grant per investigator only may be active at any one time

→ Hosting institution

- Located in a EU member state or associated country
- Intra-European grant portability allowed

Baltic countries and Ukraine in the competition for European Research Council grants in frontier science

Call / Country	LV	FIN	LT	EE	Ukraine
StG-2007	5 (0)	236 (7)	17 (0)	11 (0)	3 (0)
AdG-2008	2 (0)	70 (9)	2 (0)	4 (0)	4/4 (0)
StG-2009	2 (0)	49 (6)	4 (0)	2 (1)	1/7 (0/ 1)
AdG-2009	1 (0)	22 (1)	1 (0)	3 (0)	3/0 (0)
StG-2010					
AdG-2010					
StG-2011					Deadline end of 2010
AdG-2011					Deadline first quater of 2011

Best universities in ES ranked on succesful ERC starting grants

no. grants	ERC StG 2007	no. grants	ERC StG 2009
17	CNRS	7	CNRS
9	Max-Planck-Society	7	EPF Lausanne
8	University of Cambridge	7	Max-Planck-Society
7	Technion Israel Institute of Technology	6	Univ Leuven
6	Imperial College London	6	Univ of Oxford
6	Hebrew Univ Jerusalem	5	Hebrew Univ Jerusalem
6	Consiglio Nazionale delle Ricerche	5	Uni Gent
5	Weizmann Institute of Science	4	Univ of Cambridge
5	Univ Oxford	4	University College London
5	University College London	4	Uni Bristol
5	Free Univ Amsterdam	3	Commissariat à l'énergie atomique
4	Consejo Superior de Investigaciones Cientificas	3	ETH Zürich
4	Univ Leuven	3	Imperial College London
4	Univ Heidelberg	3	IN National de la Santé et de la Recherche Médicale
4	IN National de la Santé et de la Recherche Médicale	3	Uni Munich
3	Royal Netherlands Academy of Arts and Sciences	3	Helsinki Univ of Technology
3	Univ Tel Aviv	3	Univ of Utrecht
3	Univ Stockholm	3	Weizmann Institute of Science
3	Univ Amsterdam		
3	Univ Aarhus		
3	Univ Leiden		
3	Medical Research Council		
3	Fundació Privada Centre de Regulació Genòmica		
3	Spanish National Cancer Centre		

INFRASTRUCTURE – Latvian statistics for FP7

IP7	Kopā		2007		2008		2009	
Kopējais iesniegto projektu skaits	22		7		9		6	
Atbalstāmo (Retained) projektu skaits	14		5		5		4	
t.sk. CP-CSA-Infra	18	11	5	3	8	5	5	3
t.sk. CSA-CA	3	3	2	2			1	1
t.sk. CSA-SA	1	0			1			
Sekmība	64%		71%		56%		67%	
t.sk. CP-CSA-Infra	61%		60%		63%		60%	
t.sk. CSA-CA	100%		100%		0%		100%	
Slieksni pārsniegušo (Above threshold) projektu skaits	3		1		2			
Kopējais Latvijas dalībnieku skaits	26		9		11		6	
t.sk. atbalstāmie	17		6		7		4	
Kopējais sagaidāmais finansējums, €	1534371		587006		633869		313496	
Kopējais prasītais finansējums, €	5303156		1587800		2507813		1207543	

INFRASTRUCTURE – Latvian success stories

Projekta nosaukums, akronīms, kontrakta Nr.	Koordinātors	LV dalībnieks konsorciā	Dalībnieku skaits un vērtējums
<i>The European Spallation Neutron Source (ESS) NeutronSourceESS 202247</i>	<i>PAUL SCHERRER INSTITUT(CH), Irene Walther</i>	<i>Institute of Physics, University of Latvia, Olgerts Lielausis</i>	<i>11 14/15</i>
<i>Common Language Resources and Technology Infrastructure CLARIN, 212230</i>	<i>UNIVERSITEIT UTRECHT(NL), Steven KRAUWER</i>	<i>Institute of Mathematics and Computer Science, University of Latvia, Inguna Skadina Dr</i>	<i>33 14/15</i>
<i>Baltic Grid Second Phase BalticGrid-II 223807</i>	<i>KUNGLIGA TEKNISKA HOGSKOLAN(SE), Ake Edlund</i>	<i>Institute of Mathematics and Computer Science, University of Latvia, Ināra Opmane Institute of Radio Elec- tronics, Riga Technical University, Faculty of Elec- tronics and Telecommu, Ilmars Slaidins</i>	<i>13 10,5/15</i>

INFRASTRUCTURE – Latvian success stories

Projekta nosaukums, akronīms, kontrakta Nr.	Koordinātors	LV dalībnieks konsorcijā	Dalībnieku skaits un vērtējums
<i>A Pan-European Species-directories Infrastructure PESI 223806</i>	<i>UNIVERSITEIT VAN AMSTERDAM(NL), Yde De Jong, Y.S.D.M.deJong</i>	<i>University of Latvia (Bioloģijas fakultāte, Zooloģijas un dzīvnieku ekoloģijas katedra), Voldemars Spungis</i>	<i>40 14/15</i>
<i>Advanced Radio Astronomy in Europe RadioNet-FP7 227290</i>	<i>Netherlands Institute for Radio Astronomy(NL), Michael Albert Garrett</i>	<i>Ventspils International Radio Astronomy Centre, Ventspils University College, Smelds Ivars</i>	<i>26 93,33 no 100</i>
<i>The Integrated Initiative of European Laser Research Infrastructures II LASERLAB-EUROPE 228334</i>	<i>Forschungsverbund Berlin e.V.(DE), Wolfgang Sandner</i>	<i>[1] University of Latvia (FMF, Lāzeru centrs), Ruvin Ferber, ferber@latnet.lv, +371-6703-3754[5] Institute of Atomic Physics and Spectroscopy, University of Latvia, Janis Spigulis, janispi@latnet.lv, +371 67228249</i>	<i>25 93,33 no 100</i>

INFRASTRUCTURE – Latvian success stories

Projekta nosaukums, akronīms, kontrakta Nr.	Koordinātors	LV dalībnieks konsorciā	Dalībnieku skaits un vērtējums
<i>Enhancing Access and Services To East European users towards an efficient and coordinated pan-European pool of NMR capacities to enable global collaborative research & boost technological advancement EAST-NMR 228461</i>	<i>Johann Wolfgang Goethe-Universität(DE), Harald Schwalbe</i>	<i>ASLA Biotech, Ltd., Anatoly Sharipo, info@asla-biotech.com, +371 29142807[30] Latvian Institute of Organic Synthesis, Edwards Liepinsh, edv@osi.lv, +371 67555985</i>	<i>21 93,33 n0 100</i>
<i>Multi-Gigabit European Research and Education Network and Associated Services GN3, 238875</i>	<i>DELIVERY OF ADVANCED NETWORK TECHNOLOGY TO EUROPE LIMITED(UK),</i>	<i>Institute of Mathematics and Computer Science, University of Latvia, Baiba Kaskina</i>	<i>34 13/15</i>
<i>Pan-European infrastructure for management of marine and ocean geological and geophysical data Geo-Seas, 238952</i>	<i>NATURAL ENVIRONMENT RESEARCH COUNCIL(UK), Colin Graham</i>	<i>University of Latvia, Faculty of Geography and Earth Sciences, Valdis Seglins</i>	<i>28 13/15</i>

INFRASTRUCTURE – Latvian success stories

Projekta nosaukums, akronīms, kontrakta Nr.	Koordinātors	LV dalībnieks konsorciā	Dalībnieku skaits un vērtējums
Open Access Infrastructure for Research in Europe OpenAIRE 246686	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS(GR), MICHAEL CHATZOPOULOS	<i>Library, University of Latvia, Iveta Gudakovska</i>	38 13/15
European Network for co-ordination of policies and programmes on e-infrastructures eInfraNet 246651	AN TUDARAS UM ARD-OIDEACHAS HIGHER EDUCATION AUTHORITY(IE), Pat O'Connor	Latvian Academy of Sciences, Ilmars Slaidins,	9 11/15
European Grid Initiative: Integrated Sustainable Pan-European Infrastructure for Researchers in Europe EGI-InSPIRE 261323	Stichting European Grid Initiative(NL), Rob van der Meer	Institute of Mathematics and Computer Science, University of Latvia, Inara Opmane	41 12,5/15

INFRASTRUCTURE – Latvian success stories

Projekta nosaukums, akronīms, kontrakta Nr.	Koordinātors	LV dalībnieks konsorcijā	Dalībnieku skaits un vērtējums
Novel EXplorations Pushing Robust e-VLBI Services NEXPreS 261525	JOINT INSTITUTE FOR V.L.B.I. IN EUROPE (J.I.V.E.)(NL), Huib Jan Langevelde	Ventspils University College, Janis Vucans	13/15

RESEARCH POTENTIAL – Latvian statistics for FP7

IP7	Kopā		2007		2008		2009	
Kopējais iesniegto projektu skaits	19		9		4		6	
Atbalstāmo (Retained) projektu skaits	3		3		0		0	
t.sk. CSA-CA	1	1	1	1				
t.sk. CSA-SA	15	2	8	2	4		3	
t.sk. CSA	3	0					3	
Sekmība	16%		33%		0%		0%	
Projektu skaits rezerves sarakstā (Reserve list)	2		1		1			
Slieksni pārsniegušo (Above threshold) projektu skaits	6		2		1		3	
Kopējais Latvijas dalībnieku skaits	19		9		4		6	
t.sk. atbalstāmie	3		3					
Kopējais sagaidāmais finansējums, €	2170613		2170613					
Kopējais prasītais finansējums, €	21269468		6765660		3862351		10641457	

RESEARCH POTENTIAL – Latvian statistics for RES-POT calls

Projekta nosaukums	Latvijas institūts	vērtējums
The implementation of research potential of the Latvian State Institute of Wood Chemistry in the European Research Area, WOOD-NET, 203459	Latvian State Institute of Wood Chemistry(LV), ANDERSONS Bruno (Dr.),	13,5/15
Unlocking Animal Food Quality Research Potential in Baltic Region by Developing Scientific and Technical Capacities of the Research Institute "Sigra" BALTFoodQUAL, 205079	Research Institute of Biotechnology and Veterinary Medicine "Sigra" of University of Agriculture, LV(LV), JEMELJANOVS Aleksandrs, prof.,	14,5/15

