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# **Cooperation between Central Asian and Baltic countries in higher education: priority areas**

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**NEO Coordinator in Kazakhstan**

**Tallinn, November 2014**

# Some history

- Tempus operational in Kazakhstan since 1995.
- National Tempus Office set up as a separate unit in June 2005.
- Since 2014 – NEO



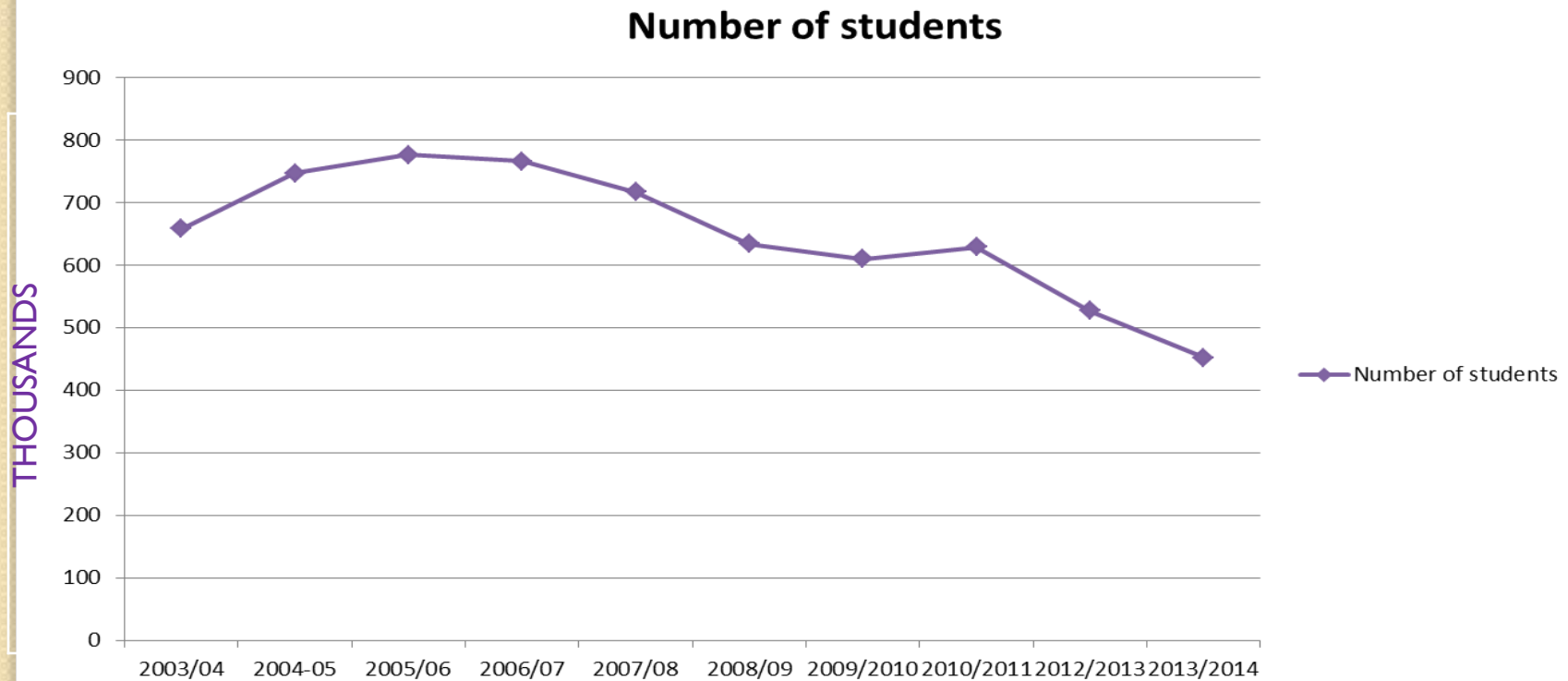
# Brief information about Kazakhstan

- Capital – Astana
- Population – 17+ mln
- Territory – 2 724,9 thousand square km
- Length of borders – 12 187 km
- Highest mountain – Khan Tengri (6995 m)
- Biggest lakes – Caspian sea, Aral sea, Lake Balkhash
- Longest rivers – Yertis (4248 km), Yesil (2450 km), Zhaiyik (2428 km), Syr Dariya (2219 km).

# Number of students in HEIs in Kazakhstan



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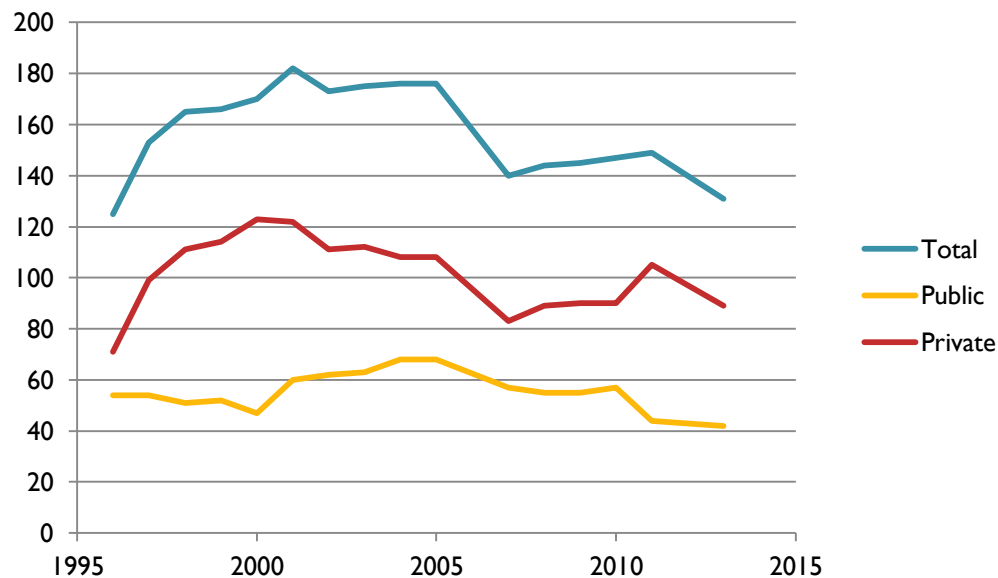


# Number of higher education institutions in Kazakhstan (1996-2014).



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Years	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2007	2008	2009	2010	2011	2013	2014
<b>Total</b>	125	153	165	166	170	182	173	175	176	176	140	144	145	147	149	131	128
<b>Public</b>	54	54	51	52	47	60	62	63	68	68	57	55	55	57	44	42	42
<b>Private</b>	71	99	111	114	123	122	111	112	108	108	83	89	90	90	105	89	86



# Statistics



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- During 1995-2013 76 projects financed, (23 national, 53 regional,)
- 57 JEP/JP, 19 SCM/SM)
- Amount allocated by EC – € 54+ mln.
- in 1995-99 - €6.266 mln.
- in 2000-06 - €5.550 mln.
- in 2007-2013 - € 42+ mln.
- At present - 26 ongoing Tempus projects.

# Statistics (cont.)



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Stages	Year	JEP/JP	SCM/SM	IMG	Total
<b>Tempus II (1995-1999)</b>	<b>1995</b>	3	-	-	3
	<b>1996</b>	2	-	-	2
	<b>1998</b>	2	-	-	2
	<b>1999</b>	3	-	-	3
<b>Tempus III (2000-2006)</b>	<b>2001</b>	3	-	3	6
	<b>2002</b>	2	-	1	3
	<b>2003</b>	2	-	3	5
	<b>2004</b>	2	2	4	8
	<b>2005</b>	2	2	3	7
	<b>2006</b>	3	6	3	12
<b>Tempus IV (2007 – 2013)</b>	<b>2008</b>	7	3	-	10
	<b>2009</b>	3	-	-	3
	<b>2010</b>	3	-	-	3
	<b>2011</b>	7	2	-	9
	<b>2012</b>	5	3	-	8
	<b>2013</b>	8	1	-	9
<b>Total Tempus II - IV</b>	<b>1995-2013</b>	<b>57</b>	<b>19</b>	<b>17</b>	<b>93</b>

# Projects with the involvement of LV,LT,FI, EE universities (ongoing)



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**CM-SCM-T002B05-2005 “Implementing of ECTS an Kazakhstani universities”**

**Partners:** Central Ostrobothnia Politechnic – Kokkola, FI; Kazakh National Pedagogical University named after Abai, Kostanai State University named after A. Baitursynov, KZ

**CD-JEP-27063-2006 “Strategic integrative international management for small and medium enterprises. Curriculum development and implementation in Kostanai state university (KSU) and Rudnyi industrial institute (RII), Republic of Kazakhstan”**

**Partners:** Seinäjoki university of applied sciences – Kauhafa, FI; Kostanai State University named after A. Baitursynov, Rudny Industrial Institute, KZ

# Projects with the involvement of LV,LT,FI, EE universities



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**I44563-TEMPUS-I-2008-I-FR-TEMPUS-JPHES “Interoperability – Security-Certification in the sector of International Railway Transportation in Ukraine and Central Asia”**

**Partners:** Riga Technical University, LV; Kazakh Academy of Transport and Communication named after M. Tynyshpaev, KZ

**I44747-TEMPUS-I-2008-I-FR-TEMPUS-JPCR “Masters Ingenieurs Economistes de l’Energie et du Developement Durable**

**Partners:** Savonia University of applied Sciences, FI; Kazakh National Technical University named after K. Satpayev, Almaty Institute of Energy and Communication, Kazakh Economical University named after T. Ryskulov, KZ

**I45171-2008-ES-TEMPUS-SMHES “Plan to Establish Research-Science\_Enterprise oriented Universities for the benefit of Society”**

**Partners:** Lapin Yliopisto /University of Laplands, FI; Vilnius University, LT; Kazakh National University named after Al-Farabi, Almaty Technological University, Karaganda Economical University Kazpotrebsoyuz, West-Kazakhstan State University named after M. Utemisov, South-Kazakhstan State University named after M. Auezov, KZ

# Projects with the involvement of LV,LT,FI,EE universities



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**I 59025-TEMPUS-I-2009-I-FR-TEMPUS-JPCR “Network Europe – Russia – Asia of Masters in Informatics as a Second competence” (ERAMIS)**

**Partners:** Savonia University of applied Sciences, FI; Kazakh National University named after Al-Farabi, Innovative University of Eurasia, Karaganda State Technical University, KZ

**511347-TEMPUS-I-2010-I-DE-TEMPUS-JPCR “Establishment of Blended Learning based study program Energy Management in Kazakhstan and Turkmenistan”**

**Partners:** Technological University Kaunas, LT; Kazakh Agro Technical University named after S.Seifullin, Kostanay Engineering Economic University named after M.Dulatov, KZ

# Projects with the involvement of LV,LT,FI,EE universities



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**516802-TEMPUS-I-2011-I-KZ-TEMPUS-SMGR STUdents self-governance & Democratic Involvement in Kazakhstan -STUDI-K**

**Partners:** Lithuanian University of Agriculture, Students' Representation of Lithuanian University of Agriculture, LT; Information Systems Management Institute, Students Self Government of ISMA, LV; Eurasian National University named after L.N.Gumilyov, Kazakh University of International Relations and World Languages named after Ablai Khan, Taraz Innovative Humanitarian University, West-Kazakhstan Agrotechnical University named after Zhangir Khan, Kostanay State University named after A.Baitursynov, Caspian State University of Technologies and Engineering named after Sh.Yessenov, Kyzyl-Orda State University named after Korkyt Ata, East-Kazakhstan State Technical University named after D.Serikbayev, Kazakh Financial-Economic Academy, Arkalyk State Pedagogical Institute named after Altynsarin, South-Kazakhstan State University named after Auezov, KZ

# Projects with the involvement of LV,LT,FI,EE universities



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**517170-TEMPUS-I-2011-I-DE-TEMPUS-JPCR Development and implementation of the Master Programme - “Eco-Engineering – environmental processing and sustainable use of renewable resources and bio-waste”**

**Partners:** Riga Technical University, LV; Tallin University of Technology, EE; Karaganda State Technical University, Kostanai State University named after A. Baitursynov, Rudnyi Industrial Institute, KZ

**517313-TEMPUS-I-2011-I-IT-TEMPUS-JPCR Environment protection through development and application of sustainable Agriculture Technologies**

**Partners:** Eesti Maaülikool, EE; Innovative University of Eurasia, Kokshetau State University named after S. Ualikhanov, Kazakh Agro Technical University named after S. Seifullin, KZ

**517361-TEMPUS-I-2011-I-IT-TEMPUS-JPHES “Technical Education on Resource Saving for Industrial Development (TERSID)”**

**Partners:** JSC “Transporta un Sakaru Institūts”, LV; Kazakh National Technical University named after K. Satpayev, Karaganda State Technical University, KZ

# Projects with the involvement of LV,LT,FI,EE universities



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**517504-TEMPUS-I-2011-I-ES-TEMPUS-JPCR** Modernization and development of curricula on pedagogy and educational management in the Central Asian countries

**Partners:** Vilnius Pedagogical University, LT; Kazakh National Pedagogical University named after Abai, Kyzylorda State University named after Korkyt Ata, Semey State Pedagogical Institute, Karaganda State University named after E.A.Buketov, KZ

**530154-TEMPUS-I-2012-IIT-JPGR**

**Student Support and Development Services**

**Partners:** Tallina Ulikool, EE; Kazakh National Agrarian University, West Kazakhstan Agrarian Technical University named after Zhangir Khan, Kostanay State University named after A. Baitursynov, KZ

**530634-TEMPUS-I-2012-I-KG-TEMPUS-JPHES**

**Central Asian Network for Education, Research and Innovation in Environmental Health**

**Partners:** University of Tartu, EE; Kazakh National Medical University named after S.D. Asfendiyarov, Karaganda State Medical University, KZ

# Projects with the involvement of LV,LT,FI,EE universities (ongoing)



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## **530793-TEMPUS-I-2012-I-SE-TEMPUS-JPCR**

**Master programmes on Renewable Energy and Energy Efficiency in Buildings in Central Asia and Russia**

**Partners:** Tallinn University of Technology, EE; South-Kazakhstan State University named after M.Auezov; Almaty University of Power Engineering and Telecommunication, Kazakh Leading Academy of Architecture and Civil Engineering, KZ

## **543720-TEMPUS-I-2013-I-DE-TEMPUS-JPCR**

**Strengthening education in space-based remote sensing for monitoring of eco systems in Israel, Azerbaijan, Kazakhstan**

**Partners:** Tallinn University of Technology, EE; Kazakh National University named after Al-Farabi, Eurasian National University named after L.N. Gumilev, Kyzylorda State University named after Korkyt Ata, KZ

## **543746-TEMPUS-I-2013-I-ES-TEMPUS-JPHES**

**«InnoLabs in Central Asia for a sustainable catalyzation of innovation in the Knowledge Triangle» (INOCAST)**

**Partners:** Riga Technical University, LV; Eurasian National University named after L.N. Gumilyov, KIMEP University, Kazakh Academy of Transport and Communications named after M.Tynyshpayev, East Kazakhstan State University named after S.Amanzholov, KZ

# Projects with the involvement of LT, LV, FI, EE universities (ongoing)



**544319-TEMPUS-I-2013-I-FR-TEMPUS-JPCR**

**Professional network of Master's degree in informatics as a Second competence**

**Partners:** Ilmi Solutions Oy, FI; University Savonia des Sciences Appliquees, FI; Technological University of Kaunas, LT; Kazakh National University named after Al-Farabi, Eurasian National University named after L.N. Gumilev (substituting Kazakh-Russian University), KZ

**544601-TEMPUS-I-2013-I-DE-TEMPUS-SMGR**

**«Intoduction of a quality management in E-learning system at higher educational institutions of Central Asia»**

**Partners:** Technical University of Kaunas, LT; Kazakh Agro Technical University named after S.Seifullin, Kostanay Engineering Economic University named after M. Dulatov, Kokshetau Humanitarian-Technical Academy, KZ

# Summary



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Stages	Year	Total involvement of FI, LT, LV,EE universities as Partners
Tempus III	2005	1
	2006	1
Tempus IV	2008	4
	2009	1
	2010	1
	2011	9
	2012	3
	2013	6
Total Tempus II - IV	2005-2013	26

# Partners in UK involved in projects with KZ universities



Tallinn University of Technology, EE (3);  
Riga Technical University, LV (3);  
Tallinn Ulikool, EE;  
University of Tartu, EE;  
Eesti Maaülikool, EE;  
Central Ostrobothnia Polytechnic – Kokkola, FI;  
Seinaeja University of Applied Sciences – Kauhajoki, FI;  
Lapin Yliopisto /University of Lapland, FI;  
Savonia University of Applied Sciences, FI (3);  
Information Systems Management Institute, LV;  
JSC "Transporta un Sakaru Institūts", LV;  
Vilnius University, LT;  
Technological University Kaunas, LT (3);  
Lithuanian University of Agriculture, LT  
Students' Representation of Lithuanian University of Agriculture, LT;  
Vilnius Pedagogical University, LT;

# National priorities



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REGION S	Modernisation of curriculum by developing new and innovative courses and methodologies																			
		Modernisation of governance, management and functioning of higher education									Strengthening of relations between higher education and the wider economic and social environment									
	CATEGORY A Curriculum Development	CATEGORY B Improving quality of education and teaching			CATEGORY C Improving management and operation of higher education institutions						CATEGORY D Developing the Higher Education sector within society at large									
	Valid ONLY for JOINT PROJECTS	Valid for JOINT PROJECTS and STRUCTURAL PROJECTS									Valid for JOINT PROJECTS and STRUCTURAL PROJECTS									
Subject areas	Bologna process (cycle system, credit transfer; Diploma supplement	Learning and teaching tools, methodologies and pedagogical approaches including learning outcomes and ICT-based practices (inter alia, flexible learning paths, blended courses, virtual and real mobility, practical placements etc.)	Multidisciplinarity / Interdisciplinarity	Governance, strategic planning and management of heigher education institutions (including human resource and financial management)	University services such as support services for student and staff mobility, such as student counselling and guidance, social services, academic affairs, libraries, etc.	Internationalisation of higher education institutions (including recognition mechanisms and mobility, international relations capacities)	Quality assurance processes and mechanisms	Access to and democratisation of higher education (including the disadvantaged groups of people and regions)	Development of research and innovative capacities (excluding research activities)	Lifelong learning, continuing education	Non-University sector at tertiary education level	Development of school and vocational education at post-secondary non-tertiary education level (including in-service training for teachers and reforms to the teaching profession)	University-enterprise cooperation, entrepreneurship and employability of graduates	Qualification frameworks and recognition of qualifications	Knowledge triangle, innovation (reinforcing links between education, research and business)	New technologies in higher education	Development of the higher education sector at regional level (in regions of a given country)	International cooperation at regional level (among countries from the same region) or cross-regional level (among countries from different regions)	Definition, implementation and monitoring of the reform policies	
Kazakhstan	Teacher training and education science; Humanities; Life sciences; Physical sciences; Mathematics and statistics; Engineering and engineering trades; Manufacturing and processing Veterinary; Health; Transport services	X		X		X	X		X	X					X					

# Regional priorities



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REGIONS	Modernisation of curriculum by developing new and innovative courses and methodologies																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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	Valid ONLY for JOINT PROJECTS	Valid for JOINT PROJECTS and STRUCTURAL PROJECTS								Valid for JOINT PROJECTS and STRUCTURAL PROJECTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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REGION 7 Central Asia Kazakistan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan	Teacher training and education science Social and behavioural science Business administration Law Physical sciences Agriculture, forestry and fishery Health Environmental protection Security services	X	X		X		X		X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

# Strengths

- High motivation and commitment
- Readiness to be applicant organisation
- Simple visa procedure
- Variety of communication means
- Policy support from HEIs management
- Autonomy in establishing international relations
- Good connections with CA partners

# Challenges

- Insufficient level of English in regional HEIs
- Geographical distribution & territory
- Difficulties with VAT & customs clearance
- Around 32% of HEIs involved in Tempus projects
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# Our contacts



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**Thank you for your attention.**