

Erasmus Mundus Action 2 – Strand 1/ Lot L09

PROJECT SUMMARY SHEET

Project title		Spatial ICT Infrastructures for Smart Places	
Ref	545696	Name of organisation	Country
Applicant		University of Salzburg	Austria
Co-coordinator		Al-Farabi Kazakh National University	Kazakhstan
<p>Partners:</p> <p>Carinthia University of Applied Sciences, Austria University of West Hungary, Hungary Babeş-Bolyai University, Romania University of Málaga, Spain Vrije Universiteit Amsterdam, The Netherlands Al-Farabi Kazakh National University, Kazakhstan Korkyt Ata Kyzylorda State University, Kazakhstan L.N. Gumilyov Eurasian National University, Kazakhstan Bishkek Humanities University named after K.Karasaev, Kyrgyzstan Kyrgyz Russian Slavic University, Kyrgyzstan Kyrgyz State Uni. of Construction,Transport & Architecture, Kyrgyzstan Osh State University, Kyrgyzstan Osh Technological University named after M.M. Adyshev, Kyrgyzstan Khorog State University named after M.Nazarshoev, Tajikistan Russian-Tajik Slavonic University, Tajikistan Turkmen State University named after Magtymguly, Turkmenistan Karakalpak State University named after Berdakh, Uzbekistan National University of Uzbekistan named after Mirzo Ulugbek, Uzbekistan</p> <p>Associate partners:</p> <p>Masterconcept, Austria Centre for Remote Sensing and GIS TERRA, Kazakhstan Institute of Geography, Kazakhstan Ministry of Education and Sciences of the Republic of KZ, Kazakhstan Central-Asian Institute of Applied Geosciences, Kyrgyzstan Department of Cadastre and Registration KG, Kyrgyzstan Land and Real Estate Ltd, Kyrgyzstan Academy of Sciences of the Republic of TJ, Tajikistan Ministry of Education of the Republic of TJ, Tajikistan Ministry of Education of Turkmenistan, Turkmenistan NewMax Technologies, Uzbekistan</p>			
	Countries targeted	Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan, Turkmenistan	
	Amount requested (EUR)	€ 2.162.375	

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	<p>Brief description:</p> <p>The gSmart initiative develops a network of HEIs with a focus on interdisciplinary 'Spatial Sciences', aiming at improving the management of societies, economies and environments through modern geospatial methods and techniques. Space, as Earth's surface area, is one resource in our world we cannot increase, and thus needs careful management for a minimum of conflicts. Places define the location of people, infrastructure and other assets. Places make surrounding space into context for views and actions, which in turn impact space. As environments, spaces sustain livelihoods. Critical spatial resources in our environments therefore need to be managed smartly. gSmart targets disciplines sharing a spatial dimension: Architecture and Planning (discipline/field 02), Social Sciences (14), Resource Management, Geology (07), Water (07.4) and Environmental Studies (14.3 / 04.9), Agriculture (01), Regional Economics (04), Transportation, Civil Engineering (06) and is open to others. These use common digital models, technologies and methods as a core qualification in high demand in academia, industry and administration; like Geographic Information Systems, Remote Sensing, GNSS, decision support and impact assessment, geovisualisation, statistics and spatial data infrastructures. Building on sustained links between EU and Central Asian partners established through educational programmes, this proposal aims at (i) a broad thematic scope and geographic reach, (ii) building educational and professional capacity and competence at partner region HEIs and thus (iii) educating the next generation of experts for Central Asia through integration of educational practice in Central Asia and Europe. The gSmart network will be sharing and building knowledge, competences and skills across disciplines, via mobility of students and faculty between institutions, joint short intensive courses and a virtual campus with online lectures, converging in a highly qualified community of practice.</p>	

Mobility flow:

Type of Mobility	Outgoing		Third country	Incoming			Total	Distribution per mobility type
	Europeans			Third country nationals				
	Target Group 1	Target Group 2		Target Group 1	Target Group 2	Target Group 3		
Undergraduates			KZ	6			21	20,19%
			KG	5				
			TJ	4				
			UZ	4				
			TM	2				
Masters			KZ	7	2		32	30,77%
			KG	6	2			
			TJ	3	2			
			UZ	3	2			
			TM	3	2			
Doctorates			KZ	5	2		20	19,23%
			KG	3	1			
			TJ	2	1			
			UZ	2	1			
			TM	2	1			
Post-doctorates	1	2	KZ	2			13	12,50%
			KG	2				
			TJ	2				
			UZ	2				
			TM	2				
Staff	5		KZ	2			18	17,31%
			KG	2				
			TJ	3				
			UZ	2	2			
			TM	2				
TOTAL	6	2		78	18		104	100%

Third country	Undergraduates	Masters	Doctorates	Post-doctorates	Staff	TOTAL
Kazakhstan	6	9	7	2	2	26
Kyrgyzstan	5	8	4	2	2	21
Tajikistan	4	5	3	2	3	17
Uzbekistan	4	5	3	2	4	18
Turkmenistan	2	5	3	2	2	14
TOTAL	21	32	20	10	13	96