

ERASMUS MUNDUS EXTERNAL COOPERATION WINDOW (EM ECW) PROJECT FACT SHEET

Call for Proposals: EACEA/35/08 - Lot 11 (Asia Regional)

Coordinating Institution:

Aalborg University, Denmark

Members of the partnership:

Universität Flensburg, Germany
Technische Universiteit Delft, The Netherlands
Università degli Studi di Roma "Tor Vergata", Italy
Institute of Communication & Computer Systems of NTUA, Greece
Fakultet elektrotehnike i računarstva Sveučilišta u Zagrebu, Croatia
Universidade de Aveiro, Portugal
Universidad de Málaga, Spain
Bangladesh University of Engineering and Technology, Bangladesh
Asian University for Women, Bangladesh
Chittagong University, Bangladesh
The Royal University of Bhutan, Bhutan
Tribhuvan University, Nepal
Mehran University of Engineering and Technology, Pakistan
Kabul University, Afghanistan
University of Calcutta, India
Sinhgad Institute of Technology, Lonavala, India
Institut Teknologi Bandung, Indonesia
Mae Fah Luang University, Thailand

Project objectives:

The main goal of the project lies in the cross-fertilization and exchange of teaching and research experience which can become a platform for continued and extended collaboration in the future between Asia and Europe. While also including bachelor mobility, the project focuses on Masters, PhD., postdoc and staff mobility as part of the strategic development of the specified masters and research programs in Asia. Transparency and mutual accreditation will be a major part of the work required to facilitate Asian-European mobility. Best practice will be shared with associated institutions.

Brief description:

The partner consortium covers 7 universities in the first Group A countries (Afghanistan, Bangladesh, Bhutan, Nepal, Pakistan) and 4 universities from the Group B countries: India, Indonesia and Thailand, as well as 8 European universities (Denmark, Germany, Netherlands, Spain, Portugal, Italy, Greece, Croatia). The project covers the following of the Lot 11 thematic areas:

- Engineering and technology
- Geography and Geology (Environmental Management)
- Architecture, Urban and Regional Planning
- Business Studies, Management Sciences
- Education, Teaching Training
- Medical Sciences (Pharmacy)
- Social Sciences (Human-centered Informatics)
- Other (primarily Tourism, Gender studies)

Within these areas, however, the particular focus is on electronic engineering and telecommunications (wired and wireless), environmental management, energy management and engineering, urban and regional planning, human centered communication and informatics, business and management,

women's/gender studies, teacher training and tourism. Sustainability, innovation and entrepreneurship are a red thread.

Much of the mobility from Asia to Europe and Europe to Asia will be within teacher training and the implementation of problem-based learning, which is a learner-centered rather than teacher-centered pedagogy. The merit of PBL is that moves students from being passive listeners to active problem-solvers. It teaches students how to identify and define a problem worth studying and solving, thinking in an interdisciplinary and creative way, thinking independently and critically, and applying theory to practical real-life problems. This approach engages students in peer-teaching and peer-learning and makes them truly able to cope with rapid societal and technological changes which characterize the Asian countries

At some of the European universities, the professional areas mentioned above are being taught through the PBL method. Thus the studies will be even more relevant to the Asian countries. PBL has shown in numerous developing countries that it is an effective means to combat brain drain.

Another special characteristic of this project is the focus on women, who represent a tremendous untapped potential in the Asian countries. The Asian University for Women AUW is dedicated to the education of rural, economically disadvantaged, and/or refugee women. AUW serves women only, so AUW is directly addressing gender imbalance in the countries they recruit from in South and Southeast Asia where young women's access to higher education is extremely limited. Besides AUW, the project focuses on women in other ways. As one of the thematic areas, Women's/Gender Studies will help attract women candidates as well as set a focus on gender issues in society. Particular attention will be given to the issues of gender balance and social equity in the process of attracting and selecting qualified students.

The planned mobility for 212 persons covers all levels from bachelor to post-doc and staff. There is a strong emphasis on the Master level, because both Asian and European universities wanted to strengthen that level of teaching and integrate the international experience at that period in the student's academic career. The European mobility will be limited to ca. 15% in order to give the Asian partners an advantage.

Number of Individual Mobility Activities foreseen

Type of Mobility	Europeans	Third-Country nationals			TOTAL	
	Target Group 1	Ctry code ²	Target Group 1	Target Group 2		Target Group 3
Undergraduates	5	BD	6		2	8
		BT	0		0	0
		NP	0		0	0
		PK	2		2	4
		AF	0		0	0
		IN	12		4	16
		ID	6		2	8
		TH	5		2	7
Masters	10	BD	7	2	1	10
		BT	5	2	1	8
		NP	5	2	1	8
		PK	4	2	1	7
		AF	3	1	1	5
		IN	5	2	1	8
		ID	6	2	2	10
		TH	5	1	2	8
Doctorates	0	BD	6	1	1	8
		BT	2	0	1	3
		NP	2	2	1	5
		PK	3	1	2	6
		AF	2	0	0	2
		IN	6	1	1	8
		ID	4	1	2	7
		TH	0	0	0	0
Post-doctorates	0	BD	2	0	0	2
		BT	0	0	0	0
		NP	3	0	0	3
		PK	2	0	0	2
		AF	0	0	0	0
		IN	3	0	1	4
		ID	1	0	0	1
		TH	2	0	0	2

Teaching staff	18	BD	2			2
		BT	0			0
		NP	3			3
		PK	2			2
		AF	2			2
		IN	6			6
		ID	2			2
		TH	2			2
TOTAL	33		128	20	31	179

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