

High level rEnewaBle and energy efficiency mASter courses

DESCRIPTION:	<p>Energy Efficiency (EE) and increased used of Renewable Energies (RE) are the key elements to achieve the EU 2050 goals. The HEBA project aims to ensure that the universities in Egypt, Lebanon and Jordan can offer a high quality education compatible with European standards that meets the market needs of the emerging knowledge-based society by strengthening EE+RE teaching.</p> <p>The main objective of HEBA is to reform and improve existing master programs in EE+RE on single technologies and energy systems level in building and industrial sectors and improving/establishing Centers of EE+RE Technologies in the partner countries cooperating with each other.</p> <p>The centers will train postgraduate (PG) and undergraduate (UG) students on EE+RE methodologies and technologies for different sectors and will contribute to guidelines for best practice for the efficient use of energy and renewable energies in a joint collaboration between EU and partner universities. The former will transfer EU best practices, experiences and methodologies according to the Bologna process to support the development and diffusion of an innovative experience in technical higher education in the partner institutions supporting the capacity and knowledge building in EE+RE Technologies.</p> <p>Outputs of HEBA in the partner universities will be</p> <ul style="list-style-type: none"> * adapted curricula * at least 12 new or improves existing courses and lecture books/e-learning tools for PG and UG students on EE + RE * 6 1-week train-the-trainers courses for the future lecturers (min. 70) of the participating EU universities * 12 Master thesis of students from partner universities at participating EU universities * Establish/improving laboratories of "EE+RE" Technologies (EEREL center) * Contribution to guidelines for practice for EE+RE in industry and buildings <p>HEBA will thus contribute to an increase of the local competences on EE+RE that will promote curriculum reform and leave a longer-term legacy for Egypt, Lebanon and Jordan universities.</p>
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Partner	TECHNISCHE UNIVERSITAET HAMBURG-HARBURG	DE
Partner	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	IT
Partner	UNIVERSITE LIBANAISE	LB
Partner	UNIVERSITY OF CYPRUS	CY
Partner	UNIVERSITY OF JORDAN	JO

Application Grant Requested 1.043.593

Project duration: 36 months

Innovation for the Leather Industry in Jordan and Egypt

DESCRIPTION: The leather sector in Egypt and Jordan consists of companies that have no access to services like testing, training, research, studies, fashion, and financial funding instruments. On the other hand there are not any focal points in the 2 countries that bring together companies of the sector and universities. Innovation for the Leather Industry in Jordan and Egypt (INNOLEA) project aims at the support of the leather sectors in Jordan and Egypt with the transfer of knowledge from the EU.

This will be achieved through the setting up of 4 leather centers in two Universities in Jordan and two in Egypt. The centers will be equipped with basic testing equipment, and with standards and books and its staff will be trained in EU leather centers' premises. EU partners as well as Chambers of Commerce of the two countries will help in the setting up of the centers and in testing their operation.

The sustainable business model that will be developed through the project will set the basis for the sustainability of the four centers and for the establishment of new ones.

The collaboration platform that will be created will be a collaborative workspace, ground of new projects and joint activities that will guarantee the sustainability of the project .

The dissemination of the project will be achieved through development of a dissemination and exploitation plan. Dissemination tools include development of a database of contacts, printing of brochures, website of the project, twitter and facebook pages, the organization of two roundtables, a conference and the development of recommendations regarding "How leather centres are useful for the economic development of the region".

Through this project:

- the leather sectors in Jordan and Egypt will be offered access to business development services
- cooperation between HEIs and businesses will be promoted
- further cooperation between EU and Jordan and Egypt Universities and leather businesses will be established.

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Partner	CREATIVE THINKING DEVELOPMENT	EL
Partner	CTIC - Centro Tecnológico das Indústrias do Couro	PT
Partner	German-Arab Chamber of Industry & Commerce	EG
Partner	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU TEXTILE SI PIELARIE	RO
Partner	JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY	JO
Partner	KAUNO TECHNOLOGIJOS UNIVERSITETAS	LT
Partner	South Valley University	EG
Partner	UNIVERSITATEA POLITEHNICA DIN BUCURESTI	RO

Application Grant Requested	929.200
Project duration:	36 months

Progression of Accessibility Centres in higher Education for Students with disabilities in North Africa

DESCRIPTION: Despite development of programmes and services for students with disabilities (SwD) in Egypt and Morocco over the last three decades, major challenges remain regarding the expansion of these programmes and in improving their quality (Hadidi and Al Khateeb 2015) A wide range of inhibiting factors prevail including: beliefs and prejudices in education and employment; lack of resources allocated; lack of structured approach for inclusive education; lack of consultation and involvement of disabled students; lack of data and evidence of programmes that work.

Given that engagement in higher education leads to increased cultural, economic and social capital, it is imperative that the sector adapts to accommodate the diverse needs of students with disabilities. Most specifically, understanding and supporting the transition from higher education into employment, which can influence the subsequent life course of graduates, is a key outcome pursued by the world's major economies.

The overall aim of the PACES project is to progress and set up a programme of initiatives in four universities in Egypt and four universities in Morocco to support the modernisation of higher education by developing Accessibility Centres (static, mobile and virtual) that will enable students with disabilities (SwD) to access assistive technology and support services.

Outcomes include developing 8 static Accessibility Centres and training for teachers, technicians, administrators, employers and students. Innovation in the project includes: Student Support Service (peer-to-Peer) 2 mobile (pop up) ACs and an Employer/HEI Network. The project impact will be at several levels. At micro level SwD will gain employability and transition skills to enable them to move forward into employment. Institutions will benefit from improved performance of its students and sharing of best practice, which will lead to wider impact at a macro level across the partner countries.

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Partner	UNIVERSITE MOHAMMED V DE RABAT	MA
Partner	UNIVERSITE MOULAY ISMAIL	MA
Partner	UNIVERSITY OF MACEDONIA	EL
Partner	UNIVERZA V MARIBORU	SI

Application Grant Requested	998.034
Project duration:	36 months

Climate Change Management Through Adaptation and Mitigation

DESCRIPTION:	<p>The overall wider objective, to which the project will contribute, is to continue the reform of the system of higher education in the area of applied Physical sciences (Environmental science) in Egypt to comply with the Bologna Declaration and according to the demands of the Strategic Framework for European Cooperation in Education and Training (ET 2020), aimed at improving of the quality and efficiency of educational process.</p> <p>The aim of the project is to ensure the design and implementation of an interdisciplinary Master degree study programme "Smart Environment and Climate Change Management" through conduction of joint interdisciplinary research, devoted to the synergy between theory and practice in sustainable development, in order to support Egypt with the integration of emerging technologies in environment management in a competence-based education system, hence advancing higher education according to the Bologna Process and European standards for quality of education.</p> <p>The objectives and foreseen outcomes of the proposed project:</p> <ul style="list-style-type: none"> - to design Master degree study programme curriculum integrated with the European education and research systems, in order to establish international standards of academic knowledge; - to involve researchers and practitioners into communication and to establish their joint participation in the educational process and research; - to train the academic staff of EG universities to be able to use a Master degree "Smart Environment and Climate Change Management"; - to establish mechanisms and evaluation criteria that give a full analysis of the education process and content of courses as well as help to identify their strengths and weaknesses; - to implement innovative learning methods and a new collaboration platform for learning and academic environment to support the educational process; - to demonstrate the benefits of education based on the principles of Bologna process and European standards of quality in education.
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Partner	KLAIPEDOS UNIVERSITETAS	LT
Partner	NATIONAL OBSERVATORY OF ATHENS	EL
Partner	South Valley University	EG
Partner	Suez Canal University	EG

Application Grant Requested	770.788
Project duration:	36 months

Towards Excellence in Applied Linguistics. Innovative Second Language Education in Egypt /

DESCRIPTION: XCELING aims to contribute to a modernization of the FL teaching in Egypt at different levels:

- 1) Modernization of FL teaching methodologies (TEACHING), with special emphasis on ICT.
- 2) Pre-doctoral training and learning in applied linguistics (LEARNING).
- 3) Open access materials orientated to FL learning for Arabic-speakers in social disadvantage (refugees, migrants, etc.) (OUTREACH).

In order to address these three aspects, XCELING will create a Network of 6 Language Innovation Centres (LICs). The LICs will have a threefold structure in line with these dimensions: TEACHING (train the trainers), LEARNING (pre-doctoral education) and OUTREACH (co-creation of open access teaching materials).

The most important results, produced by the LICs, will be a program of both train-the trainer sessions and of a capacity building program for future teachers through applied linguistics research. Besides, the LICs Network will create open access FL instructional material for Arabic speaking migrants and refugees and implement a pilot program with them. A possibility of co-tutelle for potential doctoral students and the integration of QA measures are other consequences.

As for the impact envisaged:

1. On the national level, current and future FL teachers would be exposed to innovative teaching methodologies. PhD students will be introduced to Applied Linguistics research.
2. At the international level, the beneficiaries will be the Arabic-speaking groups at a social disadvantage (refugees and migrants).

In addition, there will be a number of indirect beneficiaries, such as the Egyptian and European universities (in both cases their staff will learn important lessons), Egypt's Ministry of Communications (it will intensify ties with Europe), as well as governmental and non-governmental organizations whose objectives concern groups with problems of integration: they could receive teaching support on existing projects of cultural assimilation and education for the labour market.

Coordinator: UNIVERSIDAD DE SALAMANCA

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Partner	CAIRO UNIVERSITY	EG
Partner	HELWAN UNIVERSITY	EG
Partner	Minia University	EG
Partner	PHAROS UNIVERSITY	EG
Partner	RUPRECHT-KARLS-UNIVERSITAET HEIDELBERG	DE
Partner	THE PROVOST, FELLOWS, FOUNDATION SCHOLARS & THE OTHER MEMBERS OF BOARD OF THE COLLEGE OF THE HOLY & UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN	IE
Partner	UNIVERSIDADE DE COIMBRA	PT
Partner	UNIVERSITE DE POITIERS	FR

Application Grant Requested 986.682

Project duration: 36 months

Wind Engineering Skills in Egypt and Tunisia

DESCRIPTION: The reason of this project is to tackle the lack in South-Mediterranean countries of Engineers that are well trained in Wind Engineering "WE". This lack of Engineers with multidisciplinary knowledge of Wind Technologies hinders the potential of Wind as a source of reliable, cost-effective and pollution-free source of energy in those countries: The key to development of WE companies in those countries is the capacity to acquire technically qualified manpower of international standard. This would certainly create job opportunities for graduates in Engineering, which is very relevant for the countries selected (Egypt and Tunisia).

At the conclusion of the project on-line training materials would be produced in the two languages used for Engineering education in South-Mediterranean countries (English and French), that would be openly distributed and promoted to be used as part of existing Masters in Engineering subjects. In addition 10 academics of Egyptian and Tunisian Engineering Schools would be trained in Europe on real-life Wind Engineering aspects and the use of those on-line training materials for Master courses. Moreover, thanks to links with WE companies, 10 Master students from those countries would be offered the opportunity to carry out internships in EU WE companies.

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Partner	Ecole Nationale d'Ingénieurs de Carthage	TN
Partner	NEW AND RENEWABLE ENERGY AUTHORITY	EG
Partner	SFAX UNIVERSITY	TN
Partner	The British University in Egypt (BUE)	EG
Partner	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	IT
Partner	UNIVERSITE D'AIX MARSEILLE	FR
Partner	المركز الإقليمي للطاقة المتجددة وكفاءة الطاقة	EG

Application Grant Requested	1.019.911
Project duration:	36 months

Innovative Lifelong e-Learning for Professional Engineers

DESCRIPTION: Egypt is experiencing a transition from production-based economies to ones based on knowledge and information. This transition changed the nature of jobs and the required skills. Competing in this global economy requires a science and engineering workforce that is consistently at the technological forefront. So, EG should examine the extent to which their current workforce meets their needs for human capital. The wider objective of this project is Bridging the qualification gap of professional engineers in EG with the EU standards

The project aims to develop a LLL framework and four e-Lifelong learning centers (e-LLC) in four different EG universities to create progressively evolution from establishing of framework to develop actions and connections with engineering community

The Specific objectives of the project are:

1. Defining the qualification gap between Egyptian engineering and the labor market
2. Developing of an innovative LLL framework in partner universities
3. Establishing of four professional e- Lifelong Learning training Centers (e-LLC)
4. Developing an online Learning Management System (LMS)

The engineering profession must revisit and update its mindset and adopt a new mission statement - to contribute to build of a more sustainable, stable, and equitable world. Engineers must adopt a completely innovative attitude toward natural and cultural systems and reconsider interactions between engineering disciplines and nontechnical fields.

The project will be carried out to reach the following outputs

1. EU experiences benchmarking in (3) engineering disciplines
2. Gap analysis report & EU Best practice manuals
3. Lifelong Learning framework and Professional standards
4. Training Course Contents and Materials
5. Training Program (4 training Modules)
6. Four E-Lifelong Learning Centers
7. Online Learning Management System
8. Recognition Process and measures & Pilot implementation,

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Partner	Egyptian Engineers Syndicate	EG
Partner	MINISTRY OF COMMUNICATIONS & INFORMATION TECHNOLOGY	EG
Partner	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA	EL
Partner	NILE UNIVERSITY	EG
Partner	StadtLABOR Graz Innovationen für urbane Lebensqualität	AT
Partner	SVEUCILISTE JOSIPA JURJA STROSSMAYERA U OSIJEKU FAKULTET ELEKTROTEHNIKE, RACUNARSTVA I INFORMACIJSKIH TEHNOLOGIJA OSIJEK	HR
Partner	UNIVERSIDAD DE OVIEDO	ES

Application Grant Requested	895.421
Project duration:	36 months

Integrative Multidisciplinary People-centered Architectural Qualification & Training

DESCRIPTION: The project aims at creating integrative, multi-disciplinary, people-centered, EG/EU accredited undergraduate and professional development programs in Architecture and Urban Design for developing a new generation, who is capable to initiate a paradigm shift in the role of architecture and urban design from aesthetic-dominated into an INTEGRATIVE multidisciplinary, PEOPLE-CENTRED domain, building on solid ICT enabling technology foundation, and apply acquired knowledge and skills in BLENDING architecture and urban design core knowledge, with SOCIAL and ENVIRONMENTAL essential ingredients to initiate educated, scientific-based migration from dominating informal patterns in EG into an enabling, supportive and adaptive environment. The undergraduate program (344 ECTS), 92 ECTS of which are university-core courses, and the discipline-specific 252 ECTS are constructed in a modular design, integrating architecture and urban planning core courses (144 ECTS) with Structural and Construction Systems (18 ECTS), Building Ecology (24 ECTS), Human Behavior (12 ECTS), Contemporary City (12 ECTS) and a supporting Practicum modules, bridging the traditional gaps among different professional stakeholders in the field. Virtual Architecture Studio for immersive shared learning environment hosting 3D scanned EG sites is developed. 4 professional development courses (6 ECTS each) targeting practitioners in integrative applications in Building Ecology, Human Behavior and Contemporary City are developed. The targets are undergraduate students in schools of engineering and fine/applied arts as well as professional architects. The plan is to start running the program starting second year of the project in parallel at participating EG institutions to account for fine adjustments. A gap analysis will be developed and followed by comprehensive course development. A wide community impact is expected as outlined by various stakeholders from the higher and pre-university education communities.

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Partner	Housing And Building National Research Center HBRC	EG
Partner	Informal Settlements Development Fund	EG
Partner	NILE UNIVERSITY	EG
Partner	Suez Canal University	EG
Partner	UNIVERSITA DEGLI STUDI DI CAGLIARI	IT
Partner	UNIVERSITAET KASSEL	DE
Partner	UNIVERSITAT POLITECNICA DE CATALUNYA	ES

Application Grant Requested	972.620
Project duration:	36 months