

609506-EPP-1-2019-1-SE-EPPKA2-CBHE-JP

Project Information

| | |
|-------------------------------|---|
| Reference Number | 609506-EPP-1-2019-1-SE-EPPKA2-CBHE-JP |
| Application Title | ICU-Knowledge Triangle, Innovation: Reinforcing of Education- Research E-Health & Medical Links |
| Application Acronym | ICU-RER |
| Action Code | CBHE-JP |
| Applicant Organisation | LINNEUNIVERSITETET (SE) |
| Project Start Date | 15-nov.-2019 |
| Project End Date | 14-nov.-2022 |
| Duration (months) | 36 |
| Grant Requested | 835.345,00 |
| EUD Consultation | YES |

International Dimension

| | |
|----------------------------|--------------------------------|
| Regional Focus | Intra-Regional |
| Involved Regions | R3 |
| Application Country | SE |
| Partner Countries | LB (6), EG (9) |
| Programme Countries | SE (1), IT (2), EE (1), AT (1) |

Project Characteristics, Aims and Objectives

| | |
|---------------------------------|--|
| Project Type | Multi-country project |
| Specific Activity | Strengthening of relations between HEIs and the wider economic and social environment |
| Subject/Thematic Area | University-enterprise cooperation, entrepreneurship and employability of graduates |
| CBHE Actions | <p>Improve the level of competences and skills in HEIs by developing new and innovative education programmes</p> <p>Improve the quality of higher education and enhance its relevance for the labour market and society</p> |
| CBHE Aims and Objectives | <p>Support eligible Partner Countries to address the challenges facing their higher education institutions and systems, including those of quality, relevance, equity of access, planning, delivery, management, governance</p> <p>Support the modernisation, accessibility and internationalisation of the higher education field in the eligible Partner Countries</p> |

Project Summary

Collaboration between universities and industries is critical for skills development, the generation, acquisition and adoption of knowledge and the promotion of entrepreneurship. Through collaborative interchange, the university becomes "a more vigorous partner in the search for answers". The social and economic community provides a context for civic discourse and the reciprocal, interactional creation of knowledge. Community engaged education establishes the context for the exploration of pressing and complex problems, of which e-health and medical informatics is an example. Out of this reciprocal need comes the development of a model for interdisciplinary education that centers community as the context for learning. This model represents the theoretical and physical space where the university joins with others to address complex issues. Thus, the main objectives of this project

are:

- 1) To establish and sustain effective Industry cooperating with University (ICU) Centres of e-health Innovations at some partner universities in LB and EG (LEG)
- 2) To develop a web platform based on Knowledge Triangle, innovation approach to develop and commercialize of e-Health innovative technologies and tools.
- 3) To develop a new integrated professional short term (6 months) and long term (one year) diploma program in e-Health and Medical informatics
- 4) To develop in-service lifelong learning training (LLT) program in the area of e-health innovative Medical/health/IT/engineering.

The consortium consists of experienced partners, which have different levels of knowledge and skills in the fields of e-Health and Medical Informatics. The partnership has the necessary capacity to implement the project and achieve the expected outcomes. It will have an important impact on students, on the higher education institutions involved & on society at large such as increasing the number of MOU signed with health enterprises & ncrease the number of placements and job opportunities.

Project Partnership

| Role | Region | Participant Organisation Name | Country |
|-------------------|-----------|--|-----------|
| Contractor | EU | LINNEUNIVERSITETET | SE |
| Partner | EU | CESIE | IT |
| Partner | EU | INSTITUT FUR DEN DONAURAUM UND MITTELEUROPA | AT |
| Partner | EU | TALLINNA TEHNIKAULIKOOL | EE |
| Partner | EU | UNIVERSITA DEGLI STUDI DI GENOVA | IT |
| Partner | R3 | AL-AZHAR UNIVERSITY | EG |
| Partner | R3 | ALEXANDRIA UNIVERSITY | EG |
| Partner | R3 | ASSIUT UNIVERSITY | EG |
| Partner | R3 | Badr University in Cairo- Egypt- BUC | EG |
| Partner | R3 | BEIRUT ARAB UNIVERSITY | LB |
| Partner | R3 | INTERNATIONAL FOR APPLIED SCIENCE AND TECHNOLOGY | EG |
| Partner | R3 | LEAD Healthcare Consultancy | LB |
| Partner | R3 | MODERN UNIVERSITY FOR BUSINESS AND SCIENCE | LB |
| Partner | R3 | NOTRE DAME UNIVERSITY - LOUAIZE | LB |
| Partner | R3 | OCTOBER 6 UNIVERSITY | EG |
| Partner | R3 | October 6 University Hospital | EG |
| Partner | R3 | SIBLINE GOVERNMENTAL HOSPITAL | LB |
| Partner | R3 | Sinai University | EG |
| Partner | R3 | THE BRITISH UNIVERSITY OF EGYPT (BUE) | EG |
| Partner | R3 | UNIVERSITE LIBANAISE | LB |

609550-EPP-1-2019-1-BG-EPPKA2-CBHE-JP

Project Information

| | |
|------------------------|---|
| Reference Number | 609550-EPP-1-2019-1-BG-EPPKA2-CBHE-JP |
| Application Title | New Professional Diploma in Plant Clinic and Phytosanitary Technologies |
| Application Acronym | PRODPCP |
| Action Code | CBHE-JP |
| Applicant Organisation | AGRAREN UNIVERSITET - PLOVDIV (BG) |
| Project Start Date | 15-nov.-2019 |
| Project End Date | 14-nov.-2022 |
| Duration (months) | 36 |
| Grant Requested | 998.549,00 |
| EUD Consultation | YES |

International Dimension

| | |
|---------------------|------------------------|
| Regional Focus | Intra-Regional |
| Involved Regions | R3 |
| Application Country | BG |
| Partner Countries | EG (6) |
| Programme Countries | IT (1), HU (1), BG (1) |

Project Characteristics, Aims and Objectives

| | |
|--------------------------|---|
| Project Type | National project |
| Specific Activity | Curriculum development |
| Subject/Thematic Area | Agriculture, forestry, fisheries and veterinary |
| CBHE Actions | <p>Improve the level of competences and skills in HEIs by developing new and innovative education programmes</p> <p>Improve the quality of higher education and enhance its relevance for the labour market and society</p> |
| CBHE Aims and Objectives | Contribute to the cooperation between the EU and the eligible Partner Countries (and amongst the eligible Partner Countries) |

Project Summary

Crop protection science deals with plant disease, pests and pesticides misuse that cause significant economic losses in crop production in Egypt and the world. Qualified expert is responsible to apply phytosanitary control measure and serve as "plant doctor" operate the plant clinic and provide services to crop producers. Crop protection is going to a rapid modernization and expansion as a result of global investment in sustainable agriculture, food security and environmental protection. The problem is "qualifications mismatch" as phenomena of HE graduates integration to deal professionally in labour market of crop protection job area.

#The overall objective of the project

#To establish a new joint professional diploma programme in plant clinic and phytosanitary technologies for the first time in Egypt at 6 agriculture higher education institutions to strengthen skills of students, graduates and employee in agriculture sector to match crop protection labour market needs.;

The major outcomes/results are

- Network in the Plant Clinic and Phytosanitary among Egypt partner institutes
- New PRO-PDPC centers with plant clinic unit (6) established each partner institute in Eavpt

- Trained staff on pedagogical and ECTS system, modern Plant Clinic Techniques at EU partner universities
- Accreditation of the new diploma program (PRO- DPCP) with new and updated modules by late 2021.

-This project will enhance the integration of Egyptian partner institutions in global education market; integrate the main EU expert knowledge in BG, IT and HU education and will create a sustainable network between universities in the field of plant protection. As well as it would impact wide range of stakeholder in crop protection areas of science by means of offered innovative courses and advanced specialized training. Therefore, this diploma is expected to offer its future specialists better chances to compete in the national and international market dealing with plant health.

Project Partnership

| Role | Region | Participant Organisation Name | Country |
|-------------------|-----------|--|-----------|
| Contractor | EU | AGRAREN UNIVERSITET - PLOVDIV | BG |
| Partner | EU | DEBRECENI EGYETEM | HU |
| Partner | EU | UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II | IT |
| Partner | R3 | AIN SHAMS UNIVERSITY | EG |
| Partner | R3 | ALEXANDRIA UNIVERSITY | EG |
| Partner | R3 | MANSOURA UNIVERSITY | EG |
| Partner | R3 | SOHAG UNIVERSITY | EG |
| Partner | R3 | SOUTH VALLEY UNIVERSITY | EG |
| Partner | R3 | Suez Canal University | EG |

610071-EPP-1-2019-1-PT-EPPKA2-CBHE-JP

Project Information

| | |
|-------------------------------|--|
| Reference Number | 610071-EPP-1-2019-1-PT-EPPKA2-CBHE-JP |
| Application Title | Knowledge exchange in sustainable Fisheries management and Aquaculture in the Mediterranean region |
| Application Acronym | FishAqu |
| Action Code | CBHE-JP |
| Applicant Organisation | UNIVERSIDADE DE AVEIRO (PT) |
| Project Start Date | 15-nov.-2019 |
| Project End Date | 14-nov.-2022 |
| Duration (months) | 36 |
| Grant Requested | 719.066,00 |
| EUD Consultation | YES |

International Dimension

| | |
|----------------------------|--------------------------------|
| Regional Focus | Intra-Regional |
| Involved Regions | R3 |
| Application Country | PT |
| Partner Countries | EG (4) |
| Programme Countries | SI (1), PT (1), IT (1), HR (1) |

Project Characteristics, Aims and Objectives

| | |
|---------------------------------|--|
| Project Type | National project |
| Specific Activity | Curriculum development |
| Subject/Thematic Area | Agriculture, forestry, fisheries and veterinary |
| CBHE Actions | Improve the level of competences and skills in HEIs by developing new and innovative education programmes |
| | Improve the quality of higher education and enhance its relevance for the labour market and society |
| CBHE Aims and Objectives | Contribute to the cooperation between the EU and the eligible Partner Countries (and amongst the eligible Partner Countries) |
| | Support eligible Partner Countries to address the challenges facing their higher education institutions and systems, including those of quality, relevance, equity of access, planning, delivery, management, governance |

Project Summary

The overall wider objective, to which the project will contribute, is to continue the reform of the system of higher education in the field of fisheries sciences in Egypt to comply with the Bologna Declaration and according to the demands of Strategic Framework for European Cooperation in Education and Training (ET 2020), aimed at improving the quality and efficiency of educational process.

The aim of the project is to graduate qualified specialists able to manage the Egyptian fisheries and aquaculture activities to sustainably increase the production of fish in Egypt and, consequently, increase Egyptian income. The main project output is a masters' degree program on Sustainable Management of Fisheries and Aquaculture (SMFA) arranged according to Bolognian principles.

The objectives and foreseen outcomes of the proposed project:

- develop internationally recognized competence-based Masters' curriculum and syllabi in Sustainable Management of Fisheries and Aquaculture (SMFA) according to best Bologna practices;
- implement a collaboration platform for exchanging materials and communication and to enhance networking among HEI and research institutions across the Partner Countries (PC) and EU Member States;
- enhance the syllabi for SMFA with innovative learning methods (mobile lectures and e-learning modules);
- implement the developed competence-based curriculum at PC universities.
- improve Diversity, Inclusion, and Equity Policy.

Project Partnership

| Role | Region | Participant Organisation Name | Country |
|-------------------|-----------|---|-----------|
| Contractor | EU | UNIVERSIDADE DE AVEIRO | PT |
| Partner | EU | EVRO-SREDOZEMSKA UNIVERZA | SI |
| Partner | EU | SVEUCILISTE U DUBROVNIKU | HR |
| Partner | EU | UNIVERSITA DEGLI STUDI DI PALERMO | IT |
| Partner | R3 | ALEXANDRIA UNIVERSITY | EG |
| Partner | R3 | ARAB ACADEMY FOR SCIENCE, TECHNOLOGY AND MARITIME TRANSPORT | EG |
| Partner | R3 | ASWAN UNIVERSITY | EG |
| Partner | R3 | Matrouh University | EG |

610107-EPP-1-2019-1-SI-EPPKA2-CBHE-JP

Project Information

| | |
|-------------------------------|---|
| Reference Number | 610107-EPP-1-2019-1-SI-EPPKA2-CBHE-JP |
| Application Title | MEDiterranean countries: Towards Internationalisation at Home |
| Application Acronym | MED2laH |
| Action Code | CBHE-JP |
| Applicant Organisation | EVRO-SREDOZEMSKA UNIVERZA (SI) |
| Project Start Date | 15-janv.-2020 |
| Project End Date | 14-janv.-2023 |
| Duration (months) | 36 |
| Grant Requested | 999.888,00 |
| EUD Consultation | YES |

International Dimension

| | |
|----------------------------|--|
| Regional Focus | Intra-Regional |
| Involved Regions | R3 |
| Application Country | SI |
| Partner Countries | TN (3), MA (3), LB (2), JO (2), EG (2) |
| Programme Countries | SI (2), IT (1), FR (1), ES (1) |

Project Characteristics, Aims and Objectives

| | |
|---------------------------------|---|
| Project Type | Multi-country project |
| Specific Activity | Modernisation of governance, management and functioning of HEIs |
| Subject/Thematic Area | Internationalisation of HEIs |
| CBHE Actions | Enhance the management, governance and innovation capacities, as well as the internationalisation of HEIs |
| CBHE Aims and Objectives | Contribute to the cooperation between the EU and the eligible Partner Countries (and amongst the eligible Partner Countries) Support the modernisation, accessibility and internationalisation of the higher education field in the eligible Partner Countries |

Project Summary

The MED2laH initiative stems from the necessity to cover an important aspect of internationalization in Mediterranean countries (Morocco, Tunisia, Egypt, Lebanon, Jordan) higher education system that has not been tackled adequately until now – Internationalisation at Home (IaH). Within EU funded projects, internationalization at large has been covered by different projects embracing European concepts like Bologna system, ECTS, internationalization of curriculum and cross-cultural issues within a multi-diversity paradigm. Though IaH is a relatively recent concept, it has already been embraced widely, particularly in northern and western Europe. IaH aims to bring internationalisation to all students through the home curriculum. It is therefore primarily about teaching and learning, which implies that lecturers are increasingly becoming prominent players in internationalisation. After all, they are the ones who create learning environments with international and intercultural dimensions. The project thus attempts to develop University Strategy on IoHE and Research and individual Action plans for IaH in 12 PCHEIs after exploring the different EU models available for IaH. A common terminology around the concept of IaH will be needed as well. As a way to reinforce IaH strategies partners will establish specific guidelines and protocols for foreign student services - including those related to safety and

security for instance. Other mechanisms like social integration schemes will be developed as well. A particular activity to enhance IaH will be the organisation and delivery of virtual webinars in PC HEI. The project will support the development of a strategic framework for HE and IaH specifically and the enhancement of structured regulations and procedures that facilitate incoming exchange mobilities, creation of support schemes for foreign students coming to PC HEIs and complementing other measures that have been previously put in place through other CBHE projects.

Project Partnership

| Role | Region | Participant Organisation Name | Country |
|-------------------|-----------|---|-----------|
| Contractor | EU | EVRO-SREDOZEMSKA UNIVERZA | SI |
| Partner | EU | FUNDACION UNIVERSITARIA SAN ANTONIO | ES |
| Partner | EU | INSTITUT ZA EVROPSKE RAZVOJNE POLITIKE IN RAZISKAVE MARIBOR | SI |
| Partner | EU | UNIVERSITA TELEMATICA PEGASO | IT |
| Partner | EU | UNIVERSITE DE MONTPELLIER | FR |
| Partner | R3 | Al Quds Education, Training & Consultancy | JO |
| Partner | R3 | DIPLOMAX | LB |
| Partner | R3 | HELIOPOLIS UNIVERSITY ASSOCIATION | EG |
| Partner | R3 | International University of Beirut | LB |
| Partner | R3 | Philadelphia University | JO |
| Partner | R3 | SOUTH VALLEY UNIVERSITY | EG |
| Partner | R3 | UNIVERSITE AL AKHAWAYN D'IFRANE | MA |
| Partner | R3 | UNIVERSITE DE TUNIS | TN |
| Partner | R3 | UNIVERSITE EURO-MEDITERRANEENNE DE FES | MA |
| Partner | R3 | UNIVERSITE EZ-ZITOUNA | TN |
| Partner | R3 | UNIVERSITE MOULAY ISMAIL | MA |
| Partner | R3 | UNIVERSITE VIRTUELLE DE TUNIS | TN |

610234-EPP-1-2019-1-EG-EPPKA2-CBHE-JP

Project Information

| | |
|------------------------|---------------------------------------|
| Reference Number | 610234-EPP-1-2019-1-EG-EPPKA2-CBHE-JP |
| Application Title | Reframing Heritage Education in Egypt |
| Application Acronym | Re-HeED |
| Action Code | CBHE-JP |
| Applicant Organisation | HELWAN UNIVERSITY (EG) |
| Project Start Date | 15-nov.-2019 |
| Project End Date | 14-nov.-2022 |
| Duration (months) | 36 |
| Grant Requested | 930.519,00 |
| EUD Consultation | YES |

International Dimension

| | |
|---------------------|------------------------|
| Regional Focus | Intra-Regional |
| Involved Regions | R3 |
| Application Country | EG |
| Partner Countries | EG (5) |
| Programme Countries | IT (1), FR (1), EL (1) |

Project Characteristics, Aims and Objectives

| | |
|--------------------------|---|
| Project Type | National project |
| Specific Activity | Curriculum development |
| Subject/Thematic Area | Education |
| CBHE Actions | Improve the level of competences and skills in HEIs by developing new and innovative education programmes |
| | Improve the quality of higher education and enhance its relevance for the labour market and society |
| CBHE Aims and Objectives | Contribute to the cooperation between the EU and the eligible Partner Countries (and amongst the eligible Partner Countries) |
| | Support the modernisation, accessibility and internationalisation of the higher education field in the eligible Partner Countries |

Project Summary

The project intends to help modernize heritage education in Egypt and transform it from an antiquarian perspective to a contemporary one through a leap in academic networking, curriculum development, mobility, and a public outreach program using modern teaching methods and technologies. The objectives of the project are (1) establishing an innovative multi-level educational program in Heritage Education that is unique in its setting in being offered by multiple universities, (2) capacity building of university staff, (3) development of supportive teaching materials, (4) provide training and capacity building for school teachers, staff members of related public entities, and other interested parties on a national scale, (5) develop an Outreach Public Program, and (6) create an e-learning heritage platform. The impact of the project includes: the transformation of the outlook of heritage education and the introduction of contemporary and innovative teaching methods, the development of a new program in heritage education, the establishment of a Heritage Education Forum which will have a lasting impact

on other universities and heritage institutions and the public at large, and the training of university teaching staff. The project will greatly influence the students who will attend the new courses which are expected to become a regional attraction for students seeking heritage studies education, and will have an impact on advancing heritage research in EG and will allow for international networking. The different activities of the project will also have a long term impact on schools, school teachers and consequently on school students as well as on the heritage industry through the innovations in the field of 3D virtual and augmented reality, mobile applications and 3D printing. The project, in addition, will have an impact on civic society and local communities and the public at large through its website, virtual campus, e-learning, and mobile applications.

Project Partnership

| Role | Region | Participant Organisation Name | Country |
|-------------------|-----------|--------------------------------------|-----------|
| Contractor | R3 | HELWAN UNIVERSITY | EG |
| Partner | EU | DIMOKRITIO PANEPISTIMIO THRAKIS | EL |
| Partner | EU | UNIVERSITA DEGLI STUDI DI FIRENZE | IT |
| Partner | EU | UNIVERSITE PARIS I PANTHEON-SORBONNE | FR |
| Partner | R3 | AIN SHAMS UNIVERSITY | EG |
| Partner | R3 | ALEXANDRIA UNIVERSITY | EG |
| Partner | R3 | DAMANHOUR UNIVERSITY | EG |
| Partner | R3 | MINISTRY OF ANTIQUITIES | EG |

610328-EPP-1-2019-1-BE-EPPKA2-CBHE-JP

Project Information

| | |
|-------------------------------|--|
| Reference Number | 610328-EPP-1-2019-1-BE-EPPKA2-CBHE-JP |
| Application Title | Spatial Data Infrastructures and Earth Observation Education and Training for North-Africa |
| Application Acronym | SEED4NA |
| Action Code | CBHE-JP |
| Applicant Organisation | KATHOLIEKE UNIVERSITEIT LEUVEN (BE) |
| Project Start Date | 15-nov.-2019 |
| Project End Date | 14-nov.-2022 |
| Duration (months) | 36 |
| Grant Requested | 851.485,00 |
| EUD Consultation | YES |

International Dimension

| | |
|----------------------------|--|
| Regional Focus | Intra-Regional |
| Involved Regions | R3 |
| Application Country | BE |
| Partner Countries | TN (3), MA (2), EG (2), DZ (2) |
| Programme Countries | SE (1), NL (1), HR (1), DE (1), BE (1) |

Project Characteristics, Aims and Objectives

| | |
|---------------------------------|---|
| Project Type | Multi-country project |
| Specific Activity | Curriculum development |
| Subject/Thematic Area | Information and Communication Technologies (ICTs) |
| CBHE Actions | Enhance the management, governance and innovation capacities, as well as the internationalisation of HEIs Improve the quality of higher education and enhance its relevance for the labour market and society |
| CBHE Aims and Objectives | Contribute to the cooperation between the EU and the eligible Partner Countries (and amongst the eligible Partner Countries) Support the modernisation, accessibility and internationalisation of the higher education field in the eligible Partner Countries |

Project Summary

Human society is facing a number of global challenges (e.g. climate change, population growth and migrations, food and energy security). In an effort to solve those challenges decision makers must rely on spatial data (SD). An efficient use of SD requires that they are well structured and directly available. Spatial Data Infrastructure (SDI) as frameworks to share and re-use SD by public authorities, private sector and citizens, and Earth Observation (EO) as one of the main sources for SD, are key elements for different application domains. Precondition for a successful use of SD are the relevant knowledge and skills in SDI and EO technologies amongst professionals. This means also that institutions of higher education must have the knowledge and capacities to provide modern education to their students and offer professionals the right VET programmes to raise the overall level of expertise in SDI & EO. The region of Northern Africa (NA) is also exposed to the above mentioned global challenges, but is

currently facing a lack of SD and EO use in decision and policy making, which is directly related with the lower level of SDI development and the sub-optimal use of EO data. It is therefore essential that academic institutions in NA countries raise their capacities regarding SDI & EO.

The SEED4NA project aims to: 1) develop the required knowledge, skills and competencies on SDI & EO within partner universities; 2) help introducing modern SDI & EO courses in engineering and agriculture/forestry studies; 3) implement supporting VET programmes; 4) help partner universities to support the development of SDI in their country and 5) promote a European approach to SDI & EO. SEED4NA will result in the establishment of capable, well trained pools of experts within academic institutions which will introduce in their turn a modern approach in academic and VET education on SDI & EO in their respective countries, thereby becoming promoters of SDI development and EO use.

Project Partnership

| Role | Region | Participant Organisation Name | Country |
|-------------------|-----------|---|-----------|
| Contractor | EU | KATHOLIEKE UNIVERSITEIT LEUVEN | BE |
| Partner | EU | HOCHSCHULE BOCHUM | DE |
| Partner | EU | NOVOGIT AB | SE |
| Partner | EU | SVEUCILISTE U ZAGREBU | HR |
| Partner | EU | UNIVERSITEIT TWENTE | NL |
| Partner | R3 | ALEXANDRIA UNIVERSITY | EG |
| Partner | R3 | CARTHAGE UNIVERSITY | TN |
| Partner | R3 | Centre des Techniques Spatiales | DZ |
| Partner | R3 | FAYOUM UNIVERSITY | EG |
| Partner | R3 | INSTITUT AGRONOMIQUE ET VETERINAIRE HASSAN II | MA |
| Partner | R3 | Regional Centre of Remote Sensing of North Africa States | TN |
| Partner | R3 | UNIVERSITE DES SCIENCES ET LA TECHNOLOGIE HOUARI BOUMEDIENE | DZ |
| Partner | R3 | UNIVERSITE IBNOU ZOHR A AGADIR | MA |
| Partner | R3 | UNIVERSITE OF JENDOUBA | TN |

610439-EPP-1-2019-1-DE-EPPKA2-CBHE-JP

Project Information

| | |
|-------------------------------|--|
| Reference Number | 610439-EPP-1-2019-1-DE-EPPKA2-CBHE-JP |
| Application Title | SUustainable Resource MAnagement Programme to solve Desert-ed Challenges |
| Application Acronym | SurMap |
| Action Code | CBHE-JP |
| Applicant Organisation | RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN (DE) |
| Project Start Date | 15-janv.-2020 |
| Project End Date | 14-janv.-2023 |
| Duration (months) | 36 |
| Grant Requested | 996.750,00 |
| EUD Consultation | YES |

International Dimension

| | |
|----------------------------|--------------------------------|
| Regional Focus | Intra-Regional |
| Involved Regions | R3 |
| Application Country | DE |
| Partner Countries | EG (4) |
| Programme Countries | IT (1), ES (1), EL (1), DE (1) |

Project Characteristics, Aims and Objectives

| | |
|---------------------------------|--|
| Project Type | National project |
| Specific Activity | Curriculum development |
| Subject/Thematic Area | Engineering and engineering trades |
| CBHE Actions | Improve the level of competences and skills in HEIs by developing new and innovative education programmes |
| | Improve the quality of higher education and enhance its relevance for the labour market and society |
| CBHE Aims and Objectives | Support eligible Partner Countries to address the challenges facing their higher education institutions and systems, including those of quality, relevance, equity of access, planning, delivery, management, governance |
| | Support the modernisation, accessibility and internationalisation of the higher education field in the eligible Partner Countries |

Project Summary

Egypt's population is growing rapidly, yet natural resources like water and land suitable for habitation and agriculture are limited while others like renewable energy sources are not yet readily accessible. Therefore, the "Sustainable Development Strategy: Egypt's Vision 2030" was developed by the Egyptian Government to prepare for the social and economic consequences. It includes challenging goals and targets in areas like land reclamation, agriculture and food processing as well as research, technology development and higher education. These goals can only be met, if new holistic approaches are being pursued that embrace the latest technological developments and are both sustainable and interdisciplinary.

Feedback from stakeholders of the quadruple helix of producers and industry, universities, policy makers and society, clearly demonstrates a need for specialists in "Sustainable Resources Management" who have a generalist

background in uncertainty prediction and different fields of sciences, like ecology and environmental sciences as well as engineering, including civil, water, electric, electronic and agricultural engineering. They need to be able to plan, set up, maintain and optimise complex systems like aquaponics farms and automated ground water pump systems that are both PV driven and connected to the grid. Thus far, cross cutting study programs are plainly focused on agricultural graduates, while appropriate offers for engineers and environmental scientists are missing. This limits progress and restricts technological optimisation and long term environmental effect prediction. Therefore, this project will develop an interdisciplinary study program, offering MSc and advanced diplomas in Sustainable Resources Management. It will focus on crosscutting issues, employ the latest learning methodologies and address technical as well as social and skills, required to implement sustainable technical solution to the challenges in food production and processing.

Project Partnership

| Role | Region | Participant Organisation Name | Country |
|-------------------|-----------|---|-----------|
| Contractor | EU | RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN | DE |
| Partner | EU | CITY Ltd | EL |
| Partner | EU | UNIVERSIDAD POLITECNICA DE MADRID | ES |
| Partner | EU | UNIVERSITA DEGLI STUDI DI PALERMO | IT |
| Partner | R3 | ALEXANDRIA UNIVERSITY | EG |
| Partner | R3 | ASWAN UNIVERSITY | EG |
| Partner | R3 | HELIOPOLIS UNIVERSITY ASSOCIATION | EG |
| Partner | R3 | THE AMERICAN UNIVERSITY IN CAIRO | EG |