The ADAPTM partnership

- University of Catania
- Klaipeda University
- Euro-Mediterranean University
- Arab Academy for Science, technology and Maritime Transport
- Alexandria University
- South Valley University
- Suez Canal University
- National Observatory of Athens

ADAPTM

Handout

Co-funded by the Erasmus+ Programme of the European Union

Climate Change Management Through Adaptation and Mitigation

THE OFFICIAL NEWSLEWTTER OF THE ADAPTM PROJECT

Editorial

ADAPTM (Climate Change Management Trough Adaptation and Mitigation) is a 3 year Erasmus+ Capacity Building project in the Field of Higher Education aiming at designing and implementing an interdisciplinary Master Degree study programme "Smart Environment and Climate Change Management" (SECCM) for Egypt. The project will support Egyptian partners of the consortium to integrate emerging technologies in environment change management in a competence-based education system, according to the European standards for quality of education and the Bologna process.

Lead by the University of Catania (Italy), the project involves universities and research institutes from Lithuania, Slovenia, Greece and Egypt.

Starting in October 2017 , the activities of ADAPTM have been focused on the design and implementation of the interdisciplinary Master Degree study Programme. A summary of the main activities developed in the first year follows in the next pages.

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PROJECT's OBJECTIVES

- **ADAPTM will design and implement a Master degree study programme curriculum integrated with the European education and research systems, in order to establish international standards of academic knowledge!**
- **ADAPTM will contribute to involve researchers and practitioners into communication, to establish their joint participation in the educational process and research and to train the academic staff of EG universities!**
- **ADAPTM will establish mechanisms and evaluation criteria for a full analysis of the education process and content of courses as well as help to identify their strengths and weaknesses!**
- **ADAPTM will implement innovative learning methods, a collaboration learning platform and academic environment to support the educational process!**

PROJECT ACTIVITIES and RESULTS

Master Proposal

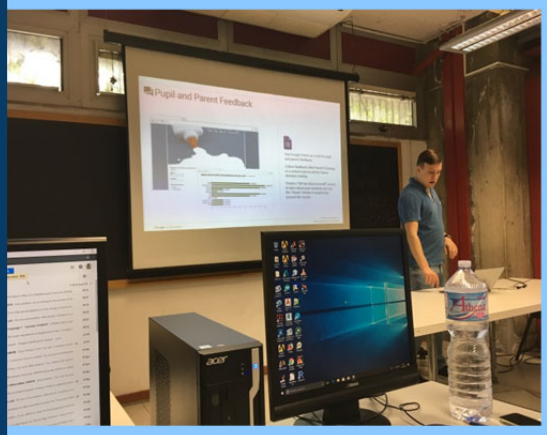
One of the most important objective of the project is the design and development of a Master Degree Program in Egypt. Accordingly, many preliminary activities have been carried out during the 1st year of activities of preparation.

- Klaipeda University and Egyptian Partners jointly prepared a questionnaire and related coding system in order to carry out a research of labour market in Egypt and justify the demand for the Master degree study programme. Questionnaire was distributed to local Egyptian stakeholders and the results have been analysed by Klaipeda University that developed a competence framework (selection of targeted cognitive abilities and skills, practical skills, transferred skills and socio-cultural requirements to be developed by graduates) for the Master degree study programme "Smart Environment Climate Change Management".
- A competence-based curriculum of Master degree study programme was designed and partners conducted an analysis of EU and EG educational programmes through the scanning of examples of similar Master Degree Programs, worked on SECCM Programme aims and intended learning outcomes.
- Following the results from previous activities, the SECCM programme curriculum has been designed in accordance with the European University Credit system and it will be based on a total of 120 ECTS (including Master's Final Thesis) as reported in table 1.
- The process of accreditation of the SECCM program by Alexandria University and other Egyptian University started in September, 2018.

Table 1 - SECCM programme curriculum

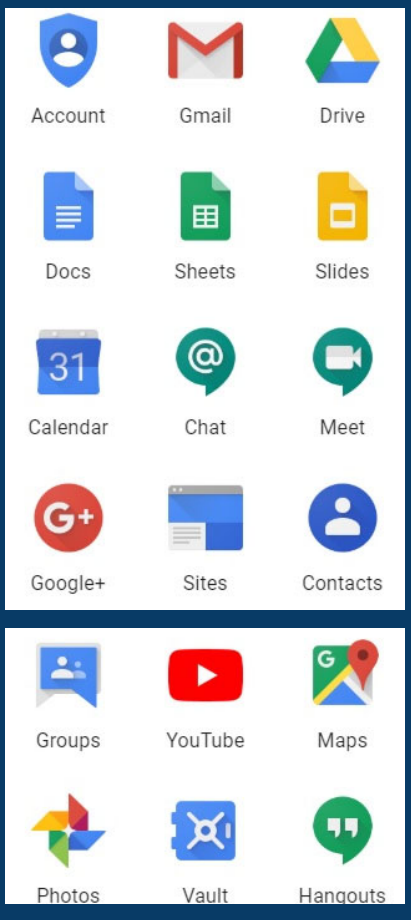
SEMESTER	COURSE TITLE	CREDITS
First	*Introduction to Climate Change*	9 ECTS
	Meteorology and Climate Observation	9 ECTS
	Marine Resources and sustainability	6 ECTS
	Environment Risk Assessment and Management	6 ECTS
Second	*Climate Change Management*	6 ECTS
	Numerical Modeling and tools	9 ECTS
	GIS and Remote Sensing	9 ECTS
	Research Methodology and Ethics	6 ECTS
Third (elective subjects)	*Climate and Ocean Modeling*	9 ECTS
	Climate Smart Agriculture	9 ECTS
	Nanotechnology and Climate Change	9 ECTS
	Sustainable Blue Economy	6 ECTS
	Coral Reefs and Climate Change	9 ECTS
	Energy Efficiency Management in Maritime Industry	6 ECTS
	Environmental Impact Assessment	6 ECTS
	Integrated Coastal Zone Management	6 ECTS
	Climate Change and Biodiversity	6 ECTS
	Global Environmental Governance	6 ECTS
	Strategic Planning and Project Management	6 ECTS
	Quality and Safety Management Systems	6 ECTS
	Climate Change effects on coastal dynamics	6 ECTS
	Adaptation strategies to climate change for hydraulic risk prevention in coastal areas.	6 ECTS
Fourth	*Thesis*	30 ECTS

Collaboration platform for SECCM



KU expert during the training in the usage of the 'Collaboration Platform'

To ensure the use and integration of current up-to-date technologies, ADAPTM aims at implementing innovative learning methods and developing a new collaboration platform for learning and academic environment to support the educational process. To this end, ADAPT implemented an online Collaboration Platform to address different target groups (students, professors, administrative staff, project members, guests).



This platform, positioned within existing open-source solutions (namely Google Suite), will be used for the project management, for the joint work of all academic staff and students during and after the project. A requirement analysis was conducted to define the needs of target groups as well as the technical/functional demands.

The system was designed outlining the specification of the collaboration platform that fulfils the requirements defined in the previous analysis. The basic implementation implied the development of the universities educational AdapTM network for support of the collaboration. The target group of teachers, trainees and administration staff of Egyptian Partners have been trained by KU specialists in the usage of the collaboration platform and in creating and managing online courses. The AdapTM network and the Collaboration Platform will work as learning and academic environment for students, university staff and potential stakeholders.

ADAPTM Events | Meetings

Kick Off meeting in CATANIA

5-7 December 2017

At the begin of December 2017, all partners met for the Kick-Off meeting at the University of Catania. Discussions were about the general procedure to follow for the accreditation of the Master Degree Program in Egypt., the contents of Grant Agreement and the Partnership Agreements. The Project Committee was elected, with one representative of each partner and all the planned activities with relative deadlines were revised.

The ADAPTM Partners at the Kick Off Meeting in Catania

Grant Holders meeting in BRUXELLES

29-30 January 2018

The Erasmus+ Grant Holders meeting was held in Bruxelles in January, 2018. During the event, the European Education, Audiovisual and Culture Executive Agency presented to Grant Holders in Capacity Building in the Field of Higher Education the general issues for the project management, with particular reference to financial aspect.

EACEA also provide grant holders suggestions and advices for the project's dissemination, including the website, reports preparation, quality assurance and reimbursement of costs. Finally, bilateral meetings with a Helpdesk session was dedicated for face2face meeting.

Prof. Francesco Martinico (UNICT, Italy) project coordinator and Prof. Mahmoud Sayed Abdelsadek (SVU, Egypt) at the Erasmus+ Grant Holders meeting

Introduction on Grant Agreement and Partnership Agreement

Half year meeting in CATANIA

12-13 April 2018

In April, 2018, partners discussed and set procedural steps and deadlines related to the Project Agenda and the design of the MSc. Partners agreed to start with the new MSc in September 2019 in Egyptian Universities.

EU and Partner Countries delegates during a visit of the old Benedectins Monastery (University of Catania)

Egyptian partners in Hurgada

HURGHADA Meeting

27-30 June 2018

Egyptian Partners attended the meeting and debated practical matters regarding the administration of the project such as reporting duties and equipment purchasing. Survey Analysis and Master Programme Course design & development were also discussed.

E-meeting

2 August 2018

In e-meeting, the Project Committee updated the state of activities concerning the accreditation, the delivering and deadlines relative to the Master Course in Egyptian Universities.

Alexandria Workshop

15-19 August 2018

Delegates of Partner Countries joined an internal workshop with the aim of discussing regulations for the submission of the Master Programme to their higher education institutes. Courses' description has been revised and negotiations were run to reach a global consensus on the list of proposed Courses and their contents description. The Programme structure and the courses' description has been shared with all the EU Partners for common sharing.

Info Days

On 30th April 2018, an Info Day was held at Faculty of Sciences, Alexandria University, Alexandria, Egypt. Around 200 undergraduate students from faculties of Science, Engineering and Agriculture attended the sessions and discussions delivered by project partners regarding the partner universities, fund, proposed activities, the potential fields of specializations, jobs opportunities and the overall objectives of the project.

ADAPTM Events | Training weeks

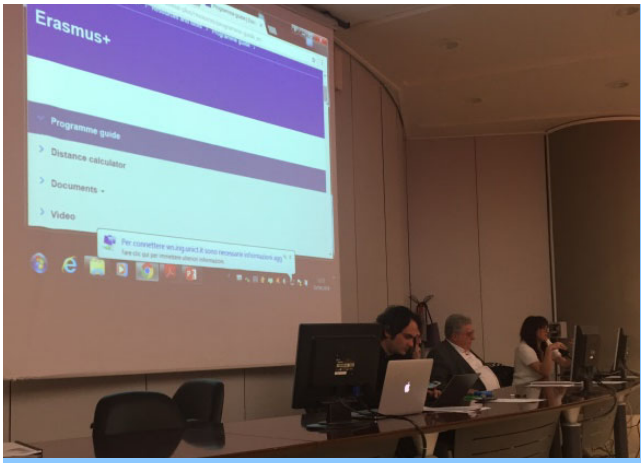
To begin the process of capacity building among the partnership, one training week was held in Catania (Italy) and attended by all the AdapTM Partner.

Training week in CATANIA

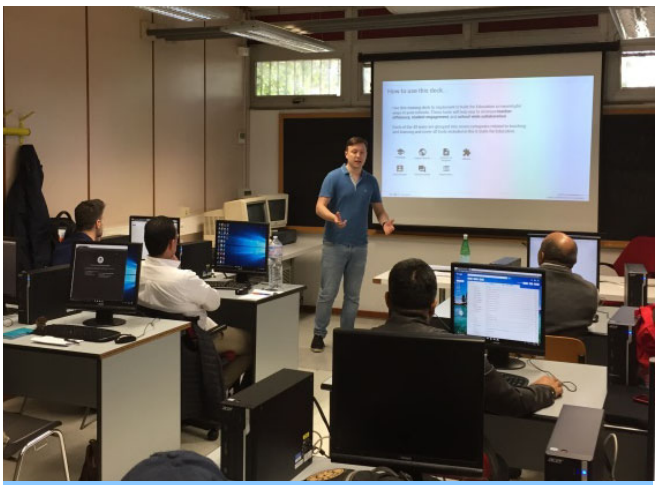
9-13 April 2018

The Training Week was held at the University of Catania in April, 2018 with the objective of training Partners from Partner Countries on how to develop Master Degree programmes according to 'Bologna Requirements'. Administrative staff of Catania University presented in details the characteristics of an European Master Degree program according to the requirements of Bologna process.

Furthermore, academic and technical staff of partners were trained by Klaipeda University specialists in the usage of the 'Collaboration Platform', in creating and managing online courses and to improve professional skills, language competence, IT and social and intercultural skills.



Introduction to the Bologna Process



Training in the usage of the "Collaboration Platform"

Representatives of our Egyptian partners joined *the Fifth National Erasmus+ Day and Projects' Forum* in Cairo!

Erasmus+

National Erasmus+ Office - Egypt

Quarterly e-Newsletters will be prepared and published online with all news and information on the project's update!

Next steps

Training week at National Observatory of Athens (Athens, 19-23 November 2018)

AdapTM Partners will meet in Athens in November, 218 for attending the next training week! The training of faculty members of the partners will be done by National Observatory of Athens. Covered topic will be: meteorological monitoring, weather predictions and applications, climate modelling, climate impacts and adaptation strategies and urban adaptation.
A Project Consortium Meeting will follow.

First year meeting at Arab Academy for Science, technology and Maritime Transport (Alexandria, 12-13 December 2018)

By the end of the year, delegates of the partnership will attend the First Year Meeting in Alexandria to discuss about current state and future development of the activities.

ADAPTM Associated Partners

The following Research centres/organizations may provide the Consortium with facilities or assistance:

_The Centre for Education and Innovation Research (CEIR), Riga, Latvia
_Blue Power Investment Ltd Company (BPC), Cairo, Egypt
_New and Renewable Energy Authority (NREA), Nasr City, Cairo
_Housing and Building National Research Center, Giza, Egypt

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Find out more about the ADAPTM Project at www.ku.lt/adaptm/

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