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ILHAM-EC

Final conference

Cairo, 7 October 2019

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





EXPRIVIA SPA

Joint Master In Sustainable Land Management: New ProgramNew Challenge

Professor Bassem Ashour

Zagazig University
Egypt



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**The new Master was designed to be student-oriented,
based on :**

➤ **new innovative learning methods**

➤ **adjusted to the Bologna process requirements .**



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One Joint Unified Bylaw .

- **1st Year Foundation Courses :**
 - **One Teaching Board**
 - **Two locations (Cairo – Alexandria) .**
- **2nd Year Specialized Courses at each University .**



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WP1: Needs assessment

Task 1.1 Curriculum Evaluation and Need

The evaluation assessment was carried out through:

- **Study of existing** learning programs and materials,
- **Discussion** within the partnership in specific meetings,
- **Interviews and questionnaires** involving several stakeholders (teachers, students, external expertise, enterprises, institutions.)



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- At least 150 stakeholders (students, teachers, enterprises, institutions, associations, general public, etc.) interviewed by April 2016;
- Curriculum Evaluation Report on SLM of the 4 involved Egyptian universities realized by May 2016



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Needs Assessment Report



July 2016



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➤ **Master structure finalized**

➤ **Program and course specifications developed.**

➤ **Bylaw finalized**



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Master structure

- **Total ECTS for the Master = 120 :**
 - 30 ECTS for thesis research ,
 - 90 ECTS for courses :
 - 72 ECTS mandatory courses ,**
 - 18 ECTS for Elective specialization courses.**



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Master Management

- Faculty Coordinating Committee (FCC)
- Program Coordinating Committee (PCC):

The PCC will be formed at the four participating universities from 8 members,
two members from each participating university



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Ministerial Decree No. 856 of 12/03/2018

- ** and the approval of the Cairo University Council held on 26/07/2017 until 31/07/2017.
- ** and the approval of the President of the University of Alexandria based on the mandate established on 28/04/2012 and 24/01/2017.
- ** and the approval of the Zagazig University Council held on 25/07/2017 until 31/07/2017.
- ** and the approval of the Council of Damanhour University Council held on 30/08/2017.
- ** and the approval of the Committee of the Agricultural Studies sector issued during its meeting on 16/09/2017 - 28/10/2017.
- ** and the approval of the Supreme Council of Universities on 16/12/2017,



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WP3: Implementation of learning environment

- e-learning platform with the implementation of 10 reviewed educational modules on SLM developed .
- Educational game on SLM .
- 8 workstations for each Egyptian involved universities .
- 20 computes for the students .
- 1 GPS for each Egyptian involved university .
- 200 new scientific books for each Egyptian involved university .
- Advanced instrument for water , soil analysis .



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WP4: Training of teachers

- 2-day workshop on modern teaching and learning methods involving 32 local teachers and 10 European teachers carried out in November 2016
- Guidelines on best practices published .
- e-learning training based on 10 modules on SLM attended by 32 Egyptian professors .
- Special Mobility Strand (SLM) .
- 2 webinars .



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Final 10e-learning modules charged on the platform

1. SUSTAINABLE AGRO-ECOSYSTEM MANAGEMENT .
2. ECONOMIC OF SLM .
3. ADVANCED SPECTROSCOPY ANALYSIS FOR SLM .
4. LAND MANAGEMENT USING GIS AND RS APPLICATIONS .
5. LAND USE PLANNING IN SUSTAINABLE DEVELOPMENT .
6. SUSTAINABLE FEED-FOOD LINKS WATER RESOURCES MANAGEMENT .
7. SOIL SALINITY AND LAND MANAGEMENT .
8. WATER RESOURCES MANAGEMENT.
9. PROJECT PROPOSAL WRITING, FINANCING AND SOURCES OF FUNDING.
10. APPLIED BIO-ECONOMICS. 10. APPLIED BIO-ECONOMICS .



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Special Mobility Strand (SLM)

- **The 1st mobility involved 21 teachers in June 2017 to :**
 - **Sassari University , Italy .**
 - **Leeds University , UK .**
 - **Thessaloniki University , Greece .**
- **Further training in Sassari for the 32 Egyptian teachers in January 2018 . Teachers from Leeds and Thessaloniki participated .**
- **Students Mobility May – July 2019 .**



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WP5: Pilot Master Implementation

Implementation of the Inter-University high quality Master on SLM

- **Open-days to inform students on the new curricula were organized in October 2017;**
- **20 motivated students (5 from each University) were selected.**
- **The new Joint Master Program on SLM started in September 2018.**



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ZU-ILHAM project team participated the annual graduation day of the Faculty of Agriculture to disseminate the new joint Master degree in SLM among graduates, students, parents, faculty staff and university administration , October 2017.



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**The second information open day for SLM new Joint Master at Zagazig University , Monday the 30th of October 2017 .
The day hosted the stakeholders from the labor market and the current undergraduate students from different disciplines as well as faculty member.**



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**The Master on SLM has been advertised by Cairo University in the 3rd green day ,
November 4th, 2017**



Zagazig University announces a new Master on Sustainable Land Management (SLM)

by Marco Di Donato - Monday, 20 November 2017, 1:54 PM

<http://www.ilhamec.eu>

The Faculty of Agriculture, Zagazig University, announces the opening of the new Masters program (Sustainable Land Management) within the framework of the European Unionfunded project (Erasmus+) entitled "Interuniversity Learning in Higher Education on Advanced land Management - Egyptian Country/ ILHAM-EC . With the partnership of 5 European partners (Sassari University, Italy- Leeds University, UK- Aristotle University of Thessalonik, Greece- Mediterranean Universities Union (UNIMED) ,Rome - Advanced Computer System (A.C.S. S.p.A) , Rome) .

The Master's Program is a joint and unified program between four Egyptian universities: Cairo, Alexandria, Zagazig, Damanhour, adopting the European ECTS system, and is applied within the framework of bylaws of the Faculty of Agriculture



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Selection of Students

Student name	Selection criteria						Total	Specialty
	English Language	Relative grade	Work Relatedness	Relatedness to SLM	Graduation year	Interview note		
<u>Nouran</u> Ahmed Abdo Abdel Hady	4.5	5	5	4.8	5	4.6	28.9	Biochemistry
Dalia Samir <u>Elsayed</u> Hussein	4	5	5	4.8	5	4.5	28.3	Economics
Ahmed Sayed Ibrahim	4	5	5	4.9	5	4.2	28.1	Horticulture
Mohamed <u>Mohamed</u> Ahmed	3.8	5	5	4.8	5	4.5	28.1	Animal production
Amal Shaaban Abd Rabu Mohmed	4.6	4.5	4.5	4.9	5	4.6	28.1	Soil Science
Sara Ismail Mohamed El <u>Sadek</u>	4.5	5	4.5	4.7	5	4.3	28	Agric. Engineering
Aya Abdelaziz Mohamed	4	4.5	4.5	4.8	5	4	26.8	Soil Science
<u>Eman</u> Salah <u>Abdl</u> -Rahman	4	4.5	4.5	4.8	5	4	26.8	Soil Science
<u>Asmaa</u> Mohamed Ahmed	4	4.5	4.5	4.7	5	4	26.7	Horticulture
Mona Hassan <u>Shabaan</u> Mohamed	3.5	5	4.5	4.7	5	4	26.7	Plant protection
Ahmed Hashem Abd El-Nabi	3.5	4.5	4.5	4.8	5	4.1	26.4	Plant pathology



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• **Ahmed Sayed Ibrahim Abdelnaby**

• **DEMONSTRATOR**

- Department of Horticulture : floriculture, Faculty of Agriculture , Zagazig University , Egypt
- **•B.Sc. Degree in floriculture: Grade Excellent, 2016**

➤ **SLM Master Thesis Title :**

- **“Evaluation of ornamental and medicinal plants using in landscape gardening”**

➤ **The supervision Committee :**

1. Prof.Dr. Ali Abdel Hamid Meawad
 - Professor of Floriculture and Medicinal Plants, Department of Horticulture, Faculty of Agriculture , Zagazig University , Egypt
2. Prof. Dr. Ahmed Shaker Gendy
 - Professor of Floriculture and Medicinal Plants, Department of Horticulture, Faculty of Agriculture , Zagazig University , Egypt
3. Dr. Mohamed Ahamed Abdel Kader
 - Assistant Professor of Floriculture and Medicinal Plants, Department of Horticulture, Faculty of Agriculture , Zagazig University , Egypt



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DALIA SAMIR EL-SAYED HUSSEIN AHMED

DEMONSTRATOR

Department of Agricultural Economic, Faculty of Agriculture , Zagazig University , Egypt

B.Sc. Degree in Agricultural Economic : Grade Excellent with Honor , 2016

SLM Master Thesis Title :

**“AN ECONOMIC STUDY OF THE FACTORS AFFECTING THE PRODUCTIVITY
DEGRADATION IN THE SALT- AFFECTED LANDS”**

The supervision Committee :

Prof. Dr. Ali Ahmed Ibrahim

**Professor of Agricultural Economics, Department of Agricultural Economics ,Faculty of
Agriculture, Zagazig University, Egypt**

Prof. Dr. Luciano Gutierrez

**Associate Professor of Agricultural Economics ,Department of Agriculture , University of Sassari,
Italy**

Dr. Ahmed Fawzy Hamed

**Lecturer of Agricultural Economics, , Department of Agricultural Economics,Faculty of
Agriculture, Zagazig University ,Egypt**



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Amal Shaaban Abdrabu Mohammed

• M.Sc. Student

- Department of Soil Science, Faculty of Agriculture, Zagazig University, Egypt

• B.Sc. Degree in **SOIL SCIENCE** : Grade Very Good , 2015

➤ SLM Master Thesis Title :

- **“Delineation of soil management zones by proximal soil sensors and geostatistics “**

➤ The supervision Committee :

1. Prof. Dr. Karam Fouad Moussa

- Professor of Soil Science, Department of Soil Science, Faculty of Agriculture, Zagazig University, Egypt

2. Prof. Dr. Salvator Madrau

- Professor of Soil Science, Sassari University, Italy

3. Dr. Sameh Mohammed Shaddad

- Lecturer of Soil Science, Department of Soil Science, Faculty of Agriculture, Zagazig University, Egypt



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- **Mohamed Mohamed Ahmed Abdelkareem**

- **•DEMONSTRATOR**

- Department of Animal Production :**Animal nutrition** , Faculty of Agriculture , Zagazig University , Egypt

- **B.Sc. Degree in **Animal Production** : Grade Excellent with Honor , 2016**

- **SLM Master Thesis Title :**

- **“Use of some plant by-products in animal feeding”**

- **The supervision Committee :**

1. **Professor Dr. Sabry Mohamed Bassuny**

- Professor of Animal Nutrition , Department of Animal Production , Faculty of Agriculture , Zagazig University , Egypt

2. **Professor Dr. Sabry Abdelhafez Mohamed**

- Professor of Animal Nutrition , Department of Animal Production , Faculty of Agriculture , Zagazig University , Egypt

3. **Dr. Adham Abdalla ElSaghir**

- Lecturer Animal Nutrition , Department of Animal Production , Faculty of Agriculture , Zagazig University , Egypt



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Nouran Ahmed Abdo Abdelhady Elsayed

• DEMONSTRATOR

- Department of Biochemistry , Faculty of Agriculture , Zagazig University , Egypt

• B.Sc. Degree in **Biochemistry** : Grade Excellent with Honor , 2016

➤ SLM Master Thesis Title :

- **“Some chemical and biological treatments for maximizing plant production in the new lands”**

➤ The supervision Committee :

1. Prof. Dr. Sayed Soliman ElSaadany

- Professor of Biochemistry , Department of Biochemistry , Faculty of Agriculture , Zagazig University , Egypt

2. Dr. Abdel Aleem Ismaail

- Assistant Professor of Biochemistry , Department of Biochemistry , Faculty of Agriculture , Zagazig University , Egypt



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- **The new Joint Master Program on SLM started in September 2018.**

➤ **1st Year Foundation Courses :
(September 2018-April 2019)**

- **One Teaching Board**
- **Two locations (Cairo – Alexandria) .**

72 ECTS mandatory courses



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STUDENTS OF THE MASTER IN SUSTAINABLE LAND MANAGEMENT



Students of Cairo and Zagazig University



Students of Alexandria and Damanhur University



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➤ Students Training / Mobility activities May – July 2019

- 12 ECTS



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➤ 2nd Year Specialized Courses at each University

- Follow up activities August - September 2019
- Courses and Thesis October 2019 – May 2020

18 ECTS for Elective specialization courses.
30 ECTS for thesis research ,



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أسماء المقررات ومواعيد المحاضرات والقائمين بالتدريس لطلبة ماجستير التنمية المستدامة للأراضي

اليوم	المقررات	القائمين بالتدريس	أسماء الطلبة
الاحد	<ul style="list-style-type: none"> الإدارة المستدامة لخصوبة الأراضي نظم الزراعة البديلة تغير المناخ والامن الغذائي 	<ul style="list-style-type: none"> د. سارة فودة – د. سامح شداد د. محمد ممتاز د. محمد علي 	<p>أحمد سيد، نوران</p> <p>أحمد سيد</p> <p>محمد عبد الكريم</p>
الاثنين	<ul style="list-style-type: none"> الجوانب الاجتماعية والاقتصادية في إدارة الموارد المائية نمذجة النظام الحيواني في إدارة الأراضي إدارة المخلفات الزراعية متقدم تقييم أراضي متقدم 	<ul style="list-style-type: none"> د. أحمد فوزي د. أدهم عبدالله د. هند العقاد د. سارة فودة 	<p>داليا سمير</p> <p>محمد عبدالكريم</p> <p>محمد عبدالكريم، نوران</p> <p>أمل شعبان</p>
الثلاثاء	<ul style="list-style-type: none"> تخطيط استخدامات الأراضي للتنمية المستدامة نمذجة النظام النباتي في إدارة الأراضي مناقشات في الادارة المستدامة للأراضي 	<ul style="list-style-type: none"> د. سامح شداد د. محمد ممتاز 	<p>داليا سمير، أمل شعبان</p> <p>أحمد سيد</p> <p>جميع الطلبة</p>
الأربعاء	<ul style="list-style-type: none"> تلوث ومعالجة الأراضي والمياه متقدم نمذجة تغيرات استعمالات الأراضي الاقتصاد الزراعي التطبيقي 	<ul style="list-style-type: none"> د. محمد أبوهاشم د. سارة فودة د. أحمد فوزي 	<p>نوران</p> <p>أمل شعبان</p> <p>داليا سمير</p>



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WP7: Dissemination & Exploitation

- newsletters published;
- presentation at national and international events;
- websites created;
- Moodle platform created
- Media
- Facebook and Twitter accounts.



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The Project is Funded by the European Union within the Erasmus+ KA Capacity Building Program.

Project coordinator: Professor Luciano Cosenza, University of Sassari, Italy.

Zagazig University Contact Person :
Professor Bassem Ashour



THE CONSORTIA

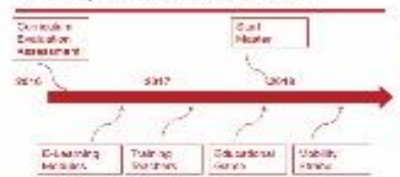
PROGRAM: EGYPT: UNIVERSITIES: Alexandria University, Cairo University, Damietta University and Zagazig University.

ECU PARTNERS: University of Sassari, UNIS, Italy, the School of Earth and Environment of the University of Leeds England, the Department of Food and Agriculture of the University of Thessaloniki Greece, UNIMED, Italy, and Advanced Circular Systems, which will develop concrete applications dedicated to the introduction of new teaching tools.

ILHAM-EC aims at improving the level of theoretical and practical knowledge of Egyptian teachers and to develop new teaching methods for university courses with a strong multidisciplinary character.

The ultimate goal of the project is the establishment of a new joint Master in the Egyptian Universities regional in the general training students in order to find new opportunities in the labor market on the theme of sustainable and responsible, a strong necessity for many countries, in particular for the economies of North Africa.

Road Map for a new Master on SLM



Kick-off Meeting of ILHAM-EC Project:



The project was officially opened at the Faculty of Agriculture, Cairo University in the 7th of March 2016. The 1st Steering Committee was held in the 5th of March 2016 at Flaminio Hotel, Cairo.



Needs Assessment:

Needs Assessment of the Universities of Cairo, Alexandria, Zagazig and Damietta, was conducted. This represents the first step to plan a new master course. Through this survey, the academic advisory provided by the Universities, together with the possession of the skills and educational level provided by each member University, in terms of level of satisfaction, have been deeply analyzed.

The results and findings of the survey reveals a series of strengths and weaknesses of the current education system that can be used as a basis for the diagnosis and analysis among project partners and other stakeholders involved in the educational system in order to develop new higher educational policies and improve and enhance program contents better fitting labor market needs. Furthermore, through this survey, it is now possible to better understand the dispositions of students, teachers and entrepreneurs as users of the educational system and how these expectations are met or far.

The good news from the survey is that both students and teachers recognize the importance to implement a Master based on innovative learning methods aiming at improving the quality of teaching and learning while ensuring high quality educational contents.

The result of survey

- Teacher and students are satisfied about the quality of the teaching staff.
- A lack of shortage in practical and technical skills.
- Satisfaction the cooperation between universities and universities.
- The importance of foreign language skills.
- Strengthen the quality of teaching and learning.

Enhancement action: Promote the use of new technologies and innovative learning approaches with innovative learning materials behind the traditional resources material such as interactive games, videos, e-learning and distance lectures, start to a prior approach in new Master course.

Diffusion activities: The project team is working on the diffusion of the project results and findings to the academic community.



CONTACT INFORMATION	AGREEMENT SIGNED MEMBERS
<p>Mail: bassem.ashour@unim.it</p> <p>211 Contact on WhatsApp: https://www.whatsapp.com/channel/0025111111111111111111</p> <p>212 Contact on Telegram: https://www.telegram.me/ILHAM-EC</p>	<p>Prof. Bassem Ashour (211 Contact on WhatsApp)</p> <p>Prof. Mohamed Elhachimi (212 Contact on Telegram)</p> <p>Prof. Mohamed Elhachimi (213 Contact on Telegram)</p> <p>Prof. Mohamed Elhachimi (214 Contact on Telegram)</p> <p>Prof. Mohamed Elhachimi (215 Contact on Telegram)</p> <p>Prof. Mohamed Elhachimi (216 Contact on Telegram)</p> <p>Prof. Mohamed Elhachimi (217 Contact on Telegram)</p> <p>Prof. Mohamed Elhachimi (218 Contact on Telegram)</p> <p>Prof. Mohamed Elhachimi (219 Contact on Telegram)</p> <p>Prof. Mohamed Elhachimi (220 Contact on Telegram)</p>



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**“Interuniversity Learning in
Higher Education on Advanced Land
Management Egyptian Country”**
Duration: October 15, 2015 – October 14, 2018

ILHAM-EC Project _ Zagazig University Team _ Official Newsletter , Issue # 3 – June 2017

ILHAM-EC PROJECT ACTIVITIES

The Project is Funded by the European Union within the Erasmus + KA Capacity Building Program.
Project coordinator: Professor Luciano Gutierrez, University of Sassari , Italy .
Zagazig University Contact Person :
Professor Bassem Ashour

☑ **Skype coordinating meeting at Zagazig University on March 7, 2017**
Locations to implement the first year of the MLS MASTER as well as the bylaw framework were discussed.




☑ **Meeting at Faculty of Agriculture on March 7, 2017:** Dean , Vice Dean, Faculty General Manager , Alessandra ,Roberta ,Bassem, and Zagazig University project team.





☑ **Reviewing the first financial report at the project room, Faculty of Agriculture on March 7, 2017**





☑ **A BYLAW for the New Joint MLS Master Program** was reviewed by the project Scientific Committee and submitted to the faculty and the University Councils to be approved and sent to the Agriculture Sector at the high Supreme Council of the Universities for Approval.

☑ **MOBILITY STRAND FOR TEACHERS**
Staff mobility: training of 8 teachers in UK , Greece and Italy.
Training in Leeds (UK) and Thessaloniki (EL): 22-27 May 2017.
Training in Sassari June, 2017

Sassari Italy June, 2017



Leeds



☑ **The second Steering Committee of ILHAM-EC PROJECT** was held in Rome, Italy 19 and 20 June, 2017.

CONTACT INFORMATION

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Website : ilham-ec.unisa.it

ZAGAZIG STAFF MEMBERS

Prof. Bassem Ashour (ZU Contact person), Prof. Hassan Taha (S.G Representative), Prof. Mohamed Shady (S.G Member), Dr. Mohamed Moustafa, Dr. Mohamed Ali Saad, Dr. Abdelhady Ali, Dr. Hamed Elabdou, Dr. Adham Elmaghrabi, Dr. Samir Elabdou, Dr. Ahmed Farouk, Dr. Sam Fathi, Dr. Mohamed





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Web sites

<http://www.ilhamec.eu>

<http://www.unimed.net/en/projects/ilham-ec/>

<http://www.ilham.zu.edu.eg>

Each newsletter is published on the web platform and
disseminated among database contacts

(<http://www.ilhamec.eu/course/index.php?categoryid=7>).



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WP6: Quality plan

Internal Quality

External Quality

Academic accreditation :
NAQAA



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Impact and Sustainability

- At individual levels
 - Academic Staff : 32
 - MSc Students : 20



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Impact and Sustainability

➤ At institutional level .

■ New courses .

■ New national cooperation activities .

■ New international cooperation activities :
Agreements , joint research and publications, networks.



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Impact and Sustainability

➤ Impact on the Society

- Cooperation with employees and other stakeholders.
- Sources of financial / logistic support for sustain the New Master Program .



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Future Directions

➤ create new cooperative opportunities and relationships:

- Establishment of an international educational network on SLM .
- Concrete Universities / other Foundations and Stakeholders Consortium .

➤ Establishment of a New Ph. D. Program In SLM .



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Future Directions

- Finding Sources of financial / logistic support for sustain the New Master Program .
- Mechanisms for marketing the new program at national , regional and international levels .

- Study in Egypt App :

<https://apps.apple.com/us/app/study-in-Egypt/id1475711656/ls=1>



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“Let the Team Works with You Not for You...”

THANK YOU