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Overview on Erasmus+ CBHE Call for 2021

Presented By

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The University of Jordan

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Content



- ❖ Guidelines
- ❖ Workpackages
- ❖ Impact of Projects
- ❖ Involvement of staff, students and stakeholders
- ❖ UJ projects



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General Objectives of Erasmus+ CBHE projects (KA2)

- Support the modernization of Higher Education in Partner Countries of the surrounding area.
- Establish an area of Cooperation between the European Union (EU) and the Partner Countries in Higher Education.
- Graduate students acquiring competencies meets market needs for different disciplines
- Bridging the gap between companies, public administrations and universities



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General Objectives of Erasmus+ CBHE projects (KA2)

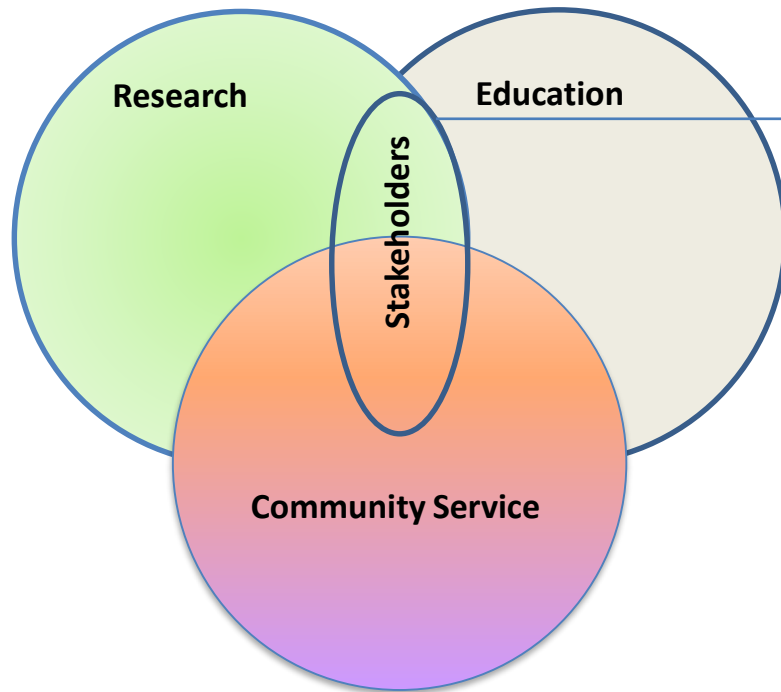
- Creating and update new Bachelor/Master/Doctoral curriculum according to market need analysis
- Internationalization of UJ and promote networking effectively in research, scientific and technological innovation
- Capacity building for UJ staff through training & mutual visits that involving teaching and support staff, technicians as well as university administrators and managers.
- Adopt modern learning and teaching methodologies and pedagogical approaches
- Organizing students internship in Europe for students



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Main Role of Higher Academic Institutions



Stakeholders: Enterprises, Ministries and NGOs

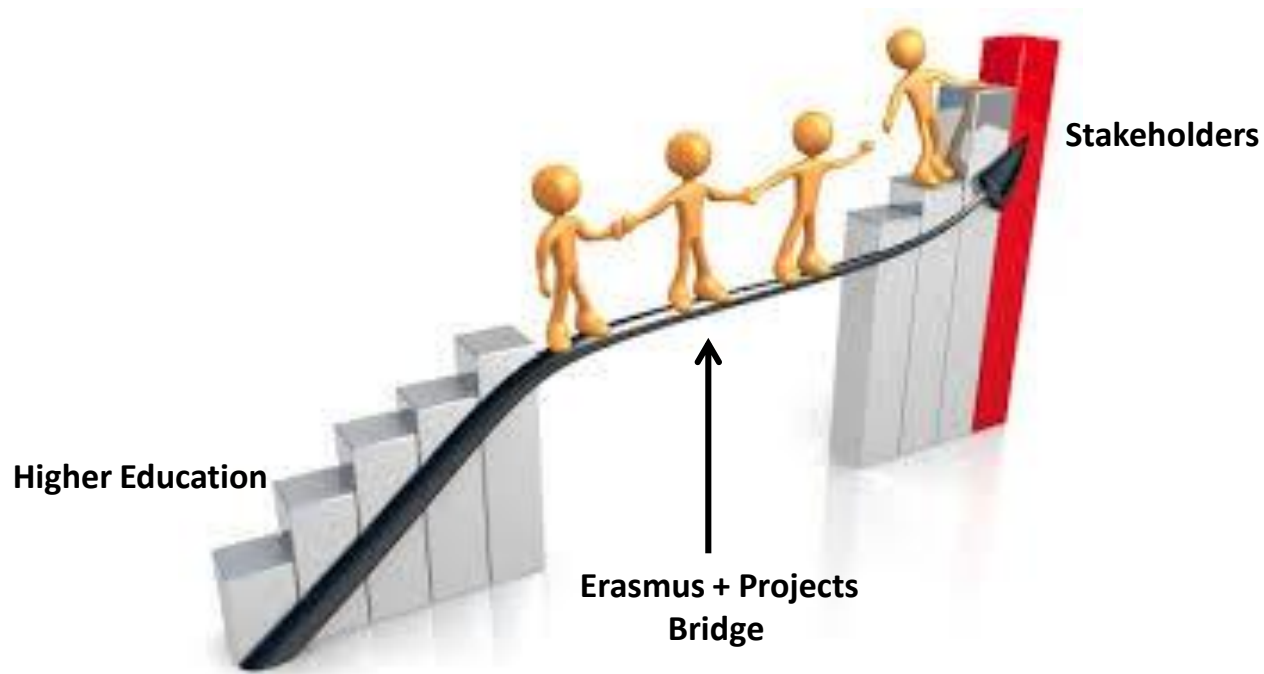
- Bridging the gap between academia and the Market
- Open a channel to transfer knowledge and expertise.
- Sponsorship for some students
- Job Opportunities were raised up for the students



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**Bridging the gap between Higher education and related Companies, Ministries &NGOs
through: Networking with these stakeholders**





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Benefits from Erasmus + projects

1. Modernize Bachelor curriculum with respect to market need analysis
2. Build new master programmes with respect to market need analysis
3. expanding graduate programs to high quality and advanced levels.
4. Build up capacity building for academic staff through training & mutual visits between Professors at UJ and EU partner universities
5. Enhance the didactic and contents of the curriculum
6. Organizing students internship at Europe for both B.Sc & M.Sc. students
7. Modernize the students & research labs with modern equipment



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Benefits from Erasmus + projects

8. Improve the employability of professionals in the labour market of this program at national and international level.
9. Bridge the gap between academia, industry & community by establishing National and International network hold them together.
10. Develop interaction between Jordanian, regional Universities and EU Universities
11. Add the interdisciplinary concept to Diploma & Master degree



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About CBHE Projects

Capacity-building projects in the field of higher education support the modernization, accessibility and internationalization of higher education in Partner Countries.

There are 3 types of capacity-building projects:

- **Strand 1. Fostering access to cooperation in Higher Education.**
- **Strand 2 - Partnerships for transformation.**
- **Strand 3. Structural Reform Projects**

Capacity-building projects can be:

- **National projects** HEIs from one third country not associated to the Erasmus+ Programme.
 - **Multi-country projects** HEIs from several countries not associated to the Erasmus+ programme from one Region
 - **Multi-country projects** HEIs from countries not associated to the Erasmus+ programme belonging to several Regions.
- ❖ **At least 2 institutions from two countries associated to Erasmus+ (EU Member States and associated countries)**



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Erasmus+ - Key Action 2 - Capacity building in the field of higher education Strand 1

- **Length:** 2 or 3 years
- **Minimum grant award:** 200.000€
- **Maximum grant award:** 400.000€
- **Application deadline:** 17 February 2022 (17:00 CET, Brussels time)



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Erasmus+ - Key Action 2 - Capacity building in the field of higher education Strand 2

- **Length:** 2 or 3 years
- **Minimum grant award:** 400.000€
- **Maximum grant award:** 800.000€
- **Application deadline:** 17 February 2022 (17:00 CET, Brussels time)



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Erasmus+ - Key Action 2 - Capacity building in the field of higher education Strand 3

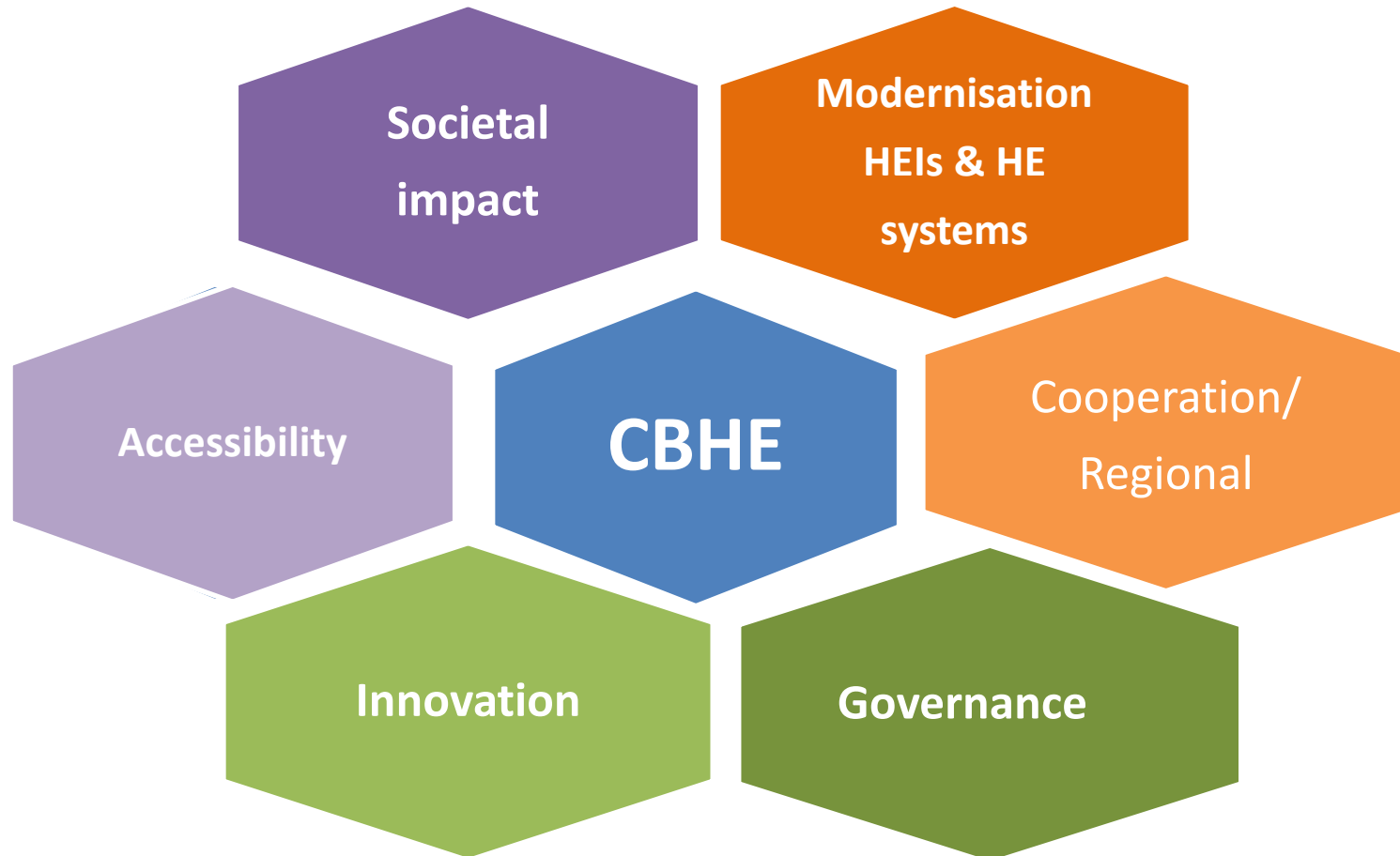
- **Length:** 3 or 4 years
- **Minimum grant award:** 800.000€
- **Maximum grant award:** 1.000.000€
- **Application deadline:** 17 February 2022 (17:00 CET, Brussels time)



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CBHE Objectives





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Work Packages

The project description shall make a distinction between project management and work packages for implementation.

Applicants must split the project activities in “**work packages**”.

A **work package** is defined as a set of activities contributing to the achievement of common specific objectives

For each work package, enter an objective (expected outcome) and list the activities, milestones and deliverables that belong to it.

The grouping should be logical and guided by identifiable deliverables/outputs.



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Work Packages

Projects should normally have a **minimum of 2 work packages.**

WP1 should cover the management and coordination activities (meetings, coordination, project monitoring and evaluation, financial management, progress reports, etc.) and all the activities which are cross-cutting and therefore difficult to assign to another specific work package (do not try splitting these activities across different work packages).

WP2 and further **WPs** should be used for the other project activities. You can create as many work packages as needed by copying WP1. The last WP should be dedicated to Impact and dissemination.



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Work packages Types



- **Preparation**
 - WP1: Establishing university-enterprise cooperation
 - WP2: Baseline Study
- **Development**
 - WP3: Capacity Building
 - WP4: Establishment of EV/HEV labs
 - WP5: Developing ECO-CAR Professional Diploma
- **Quality Plan**
 - WP6: Quality and Impact Evaluation
- **Dissemination & Exploitation**
 - WP7: Dissemination and Sustainability
- **Management**
 - WP8: Project Management

**ECO-CAR PROJECT
WORK PACKAGES**



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Work Breakdown



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Project Number: 618509-EPP-1-2020-1-JO-EPPKA2-CBHE-JP

Vocational Training Diploma on Electrical and Hybrid Vehicles/ ECO-CAR

Work breakdown structure of ECO-CAR project the role of partners

Partner number	Organization	Acronym	The Work package to be led by the partner	The Work Package to be co-led by the partner	The work packages to be involved in
P1	The University of Jordan	UJ	WP8. Project Management	WP 4. Establishment of EV/HEV labs WP 5. Developing ECO-CAR Professional Diploma	WP1, WP2, WP3, WP6, WP7
P2	Jordan University of Science and Technology	JUST	WP1. Establishing university-enterprise cooperation	WP 4. Establishment of EV/HEV labs	WP2, WP3, WP5, WP6, WP7, WP8.
P3	Mutah University	MU	-	WP1. Establishing university-enterprise cooperation WP7. Dissemination and Sustainability	WP2, WP3, WP4, WP5, WP6, WP8.
P4	Tafila Technical University	TTU	-	WP 2. Baseline Study WP 6. Quality and Impact Evaluation	WP1, WP3, WP4, WP5, WP7, WP8.
P5	Al-Balqa Applied University	BAU	WP 4. Establishment of EV/HEV labs	WP 2. Baseline Study	WP1, WP3, WP5, WP6, WP7, WP8
P6	Al-Hussein bin Abdullah II Technical University	HTU	WP7. Dissemination and Sustainability	WP1. Establishing university-enterprise cooperation	WP2, WP3, WP4, WP5, WP6, WP8
P7	Applied Science University	ASU	WP 2. Baseline Study	WP3. Capacity Building	WP1, WP4, WP5, WP6, WP7, WP8
P8	Al-Zaytoonah University of Jordan	ZUJ	-	WP 6. Quality and Impact Evaluation	WP1, WP2, WP3, WP4, WP5, WP8

Partner number	Organization	Acronym	The Work package to be led by the partner	The Work Package to be co-led by the partner	The work packages to be involved in
P9	Technische Hochschule Ostwestfalen-LIPPE	TH-OWL	-	-	WP7. Dissemination and Sustainability WP 5. Developing ECO-CAR Professional Diploma WP7. Dissemination and Sustainability
P10	Rheinisch-Westfaelische Technische Hochschule Aachen	RWTH Aachen	-	-	WP3. Capacity Building WP5. Developing ECO-CAR Professional Diploma
P11	Universidad de la Iglesia de Deusto Entidad Religiosa	UD	-	WP 6. Quality and Impact Evaluation	WP1. Establishing university-enterprise cooperation WP2, WP3, WP4, WP5, WP7, WP8.
P12	Budapesti Muszakis Gazdasagtudomanyi Egyetem	BME	-	WP 5. Developing ECO-CAR Professional Diploma	WP3. Capacity Building WP 6. Quality and Impact Evaluation
P13	National Technical University of Athens	NTUA	-	WP3. Capacity Building	WP 4. Establishment of EV/HEV labs WP1, WP2, WP5, WP6, WP7, WP8.
P14	Universita Degli Studi Dell'aquila	UNIVAQ	-	-	WP 2. Baseline Study WP 5. Developing ECO-CAR Professional Diploma



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Expected Outputs



- ✓ Networking business companies, government and non-profit sectors around environmental & climatic change issues.
- ✓ Dissemination through international conferences, National Workshop, website, video streaming.
- ✓ Training needs analysis carried out through the networked bodies. Then training contents will be developed and integrated with the experience of the European partners.
- ✓ Implementation of a program/s encompasses of a general module, and a specializing module.
- ✓ Supporting employment of trained experts in the networked bodies.



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Tips: How to prepare a competitive proposal

1. **Concrete project idea agreed on and supported by all those who will contribute to it and inline with the applied priorities**
2. **Comprehensive knowledge about Erasmus+ program (Objectives, priorities and Formal requirements)**
3. **Choose your partners according to their role and diversity in relation to project objectives**





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Think about...



- What do you want to do?
- Why do you want to do it?
- Why is it important?
- Who has done similar work?
- How are you going to do it?
- How long will it take?
- Why now?
- Why me?



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Gathering Background Information

Concept

Who will gather
the data?

How will the
project be
conducted?

Stakeholders
should be involved

What questions
to ask?

Project

Outcomes &
their
measurements

Make writing
easy

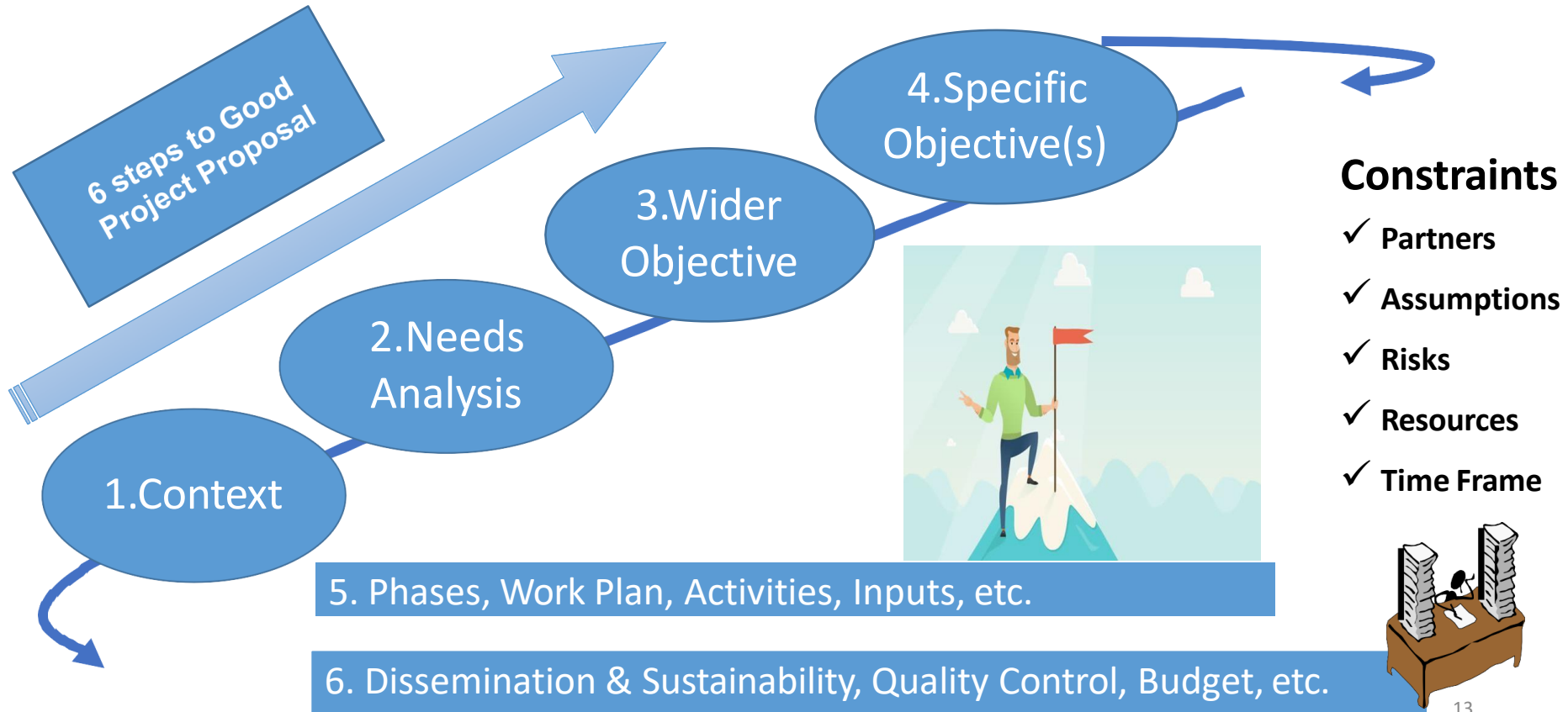
Staff &
Equipment

Timetable of the
project

Expenses



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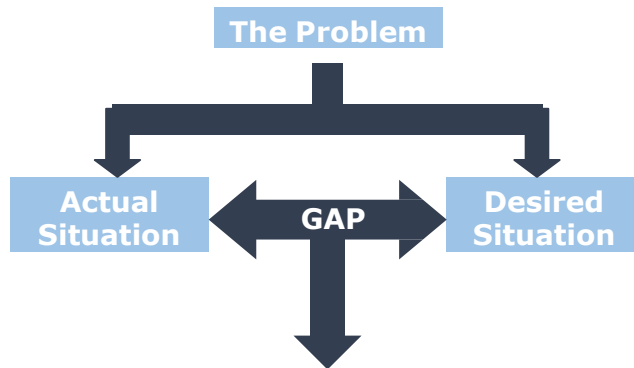




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Needs Analysis



Actual Situation

Professors/instructors advocate the potential of the Internet to increase access to higher education but are not actively packaging materials/developing content that can be delivered over the Internet.

Desired Situation

Professors/instructors are equipped with the skills to package knowledge for education/training that utilizes the Internet.

Questionnaire, Interviews, etc.

Many gaps will not be solved by training



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Needs Analysis → Severe → Hope

The picture you paint should not be so ugly the solution appears hopeless.

The reviewer will wonder whether an investment in a solution will be worthwhile.

Here is an example of a solid statement of need: "Breast cancer kills. But statistics prove that regular check-ups catch most breast cancer in the early stages, reducing the likelihood of death. Hence, a program to encourage preventive check-ups will reduce the risk of death due to breast cancer."





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Needs Analysis → Other Projects

- Avoid criticizing others.
- Show that you are aware and in good terms with others.
- Funding agencies are interested in collaboration (**why no collaboration**)?
- Your work should at least complement and NOT duplicate others.





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Wider objective(s)

- Expected result of the project expressed in terms of consequences
- Longer term impact of the project
 - To which wider objective will the project contribute?

The LFM should answer:

- Does the LFM provide a good and concise overview of the project?
- Is this overview consistent with the previous sections?

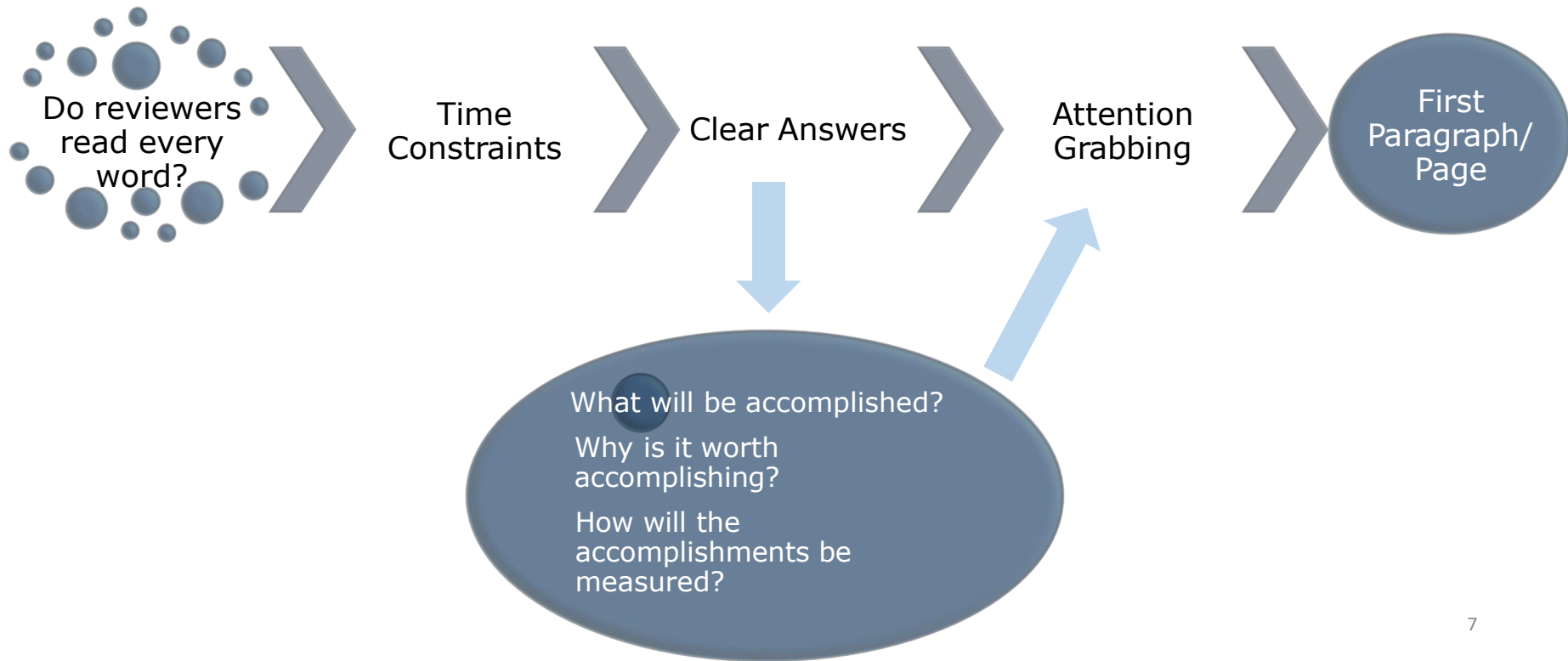




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Think about the Review Process





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Impact

- Quality of measures for evaluating the outcomes of the project
- Potential impact
 - on participants and participating organizations (during and beyond the project lifetime)
 - outside and beyond the organizations, at local, regional, national and/or international levels
- The quality of the dissemination plan
- If relevant, the proposal describes how the materials, documents and media produced will be made freely available and promoted through open licenses
- The quality of the plans for ensuring the sustainability of the project: its capacity to continue having an impact and producing results after the EU grant has been used up.



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Impact



- Impact at individual level
- Impact at institutional level
- Impact on the HE Sector
- Impact on the society as a whole
- Sustainability



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Impact at individual level



Impact on the students /staff

- ✓ You should how the project results will affect the students; enrolment rate / performance / employability
- ✓ The career development of the HEIs staff?

Describe the skills acquired

(Transversal/behavioural skills; Technical / IT skills; Academic /scientific / research skills; Linguistic skills; Other)



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Impact at institutional level



New working modalities / cooperation activities in the partner Country HEIs

- Impact of the project on HEIs internal **learning/teaching/management procedures**
- Role of the project in contributing to the **internationalization strategy of the HEIs**
- Role of the project in generating new **national / international cooperation activities** (e.g. MoUs, research projects, joint publications, participation in networks or associations, etc.)
- Role of the project in increasing the **visibility, competitiveness**



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Impact on the HE Sector



- Contribution to new or updated national or regional policies in HE.
- Contribution to the establishment or further development of external bodies



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Impact on the society as a whole



- Attention to least developed regions.
- New cooperation modalities with employers and other stakeholders (e.g. NGOs, associations etc.)
- Contribution to improving lifelong learning approaches in the PC HEIs.



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Sustainability



- Adequacy of the (PC) HEIs institutional support for maintaining the project results
- Sources of financial and logistic support to sustain the project results



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Examples for the Involvement of staff, students and stakeholders in Educational Projects



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Involvements of ministries in EU Projects



METHODS Final Conference



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Involvements of ministries in EU Projects



EGREEN Final Conference



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Involvements of Decision Makers





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Involvements of University top management in EU Project



MANSUR Kick off meeting



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Involvement of Project Stakeholders



Zoom Meeting

Recording...

Participants (25)

Find a participant

Rasha Albaik	Ahmed Al-Salaymeh	Sara Al Twassi	Rebhi Damsch	Mohammad Al...
Moussa Alsamara	Wai'l Adailah	Muhammad am...	Ahmed Al-Salaymeh	Hussam Khasawneh
Mohamad Masad	Maram Albargh...	Emad Qalaja	Ahmad Mostafa	ayman lahham
omran ahmad	Dr. Ali Alahmer	SALAHEDDIN A...	Mohammad Hamd...	ECO- CAR
Mamoun Smadi	Amjed Al Fahoum	Jamal Qaffaf	Ahmad Awwad	Yousef Okour

omran ahmad

Mohammad Hamdan

Moussa Alsamara

Muhammad ameen Al-alawneh

omran ahmad

Rasha Albaik

Rebhi Damseh

Sara Al Twassi

Wai'l Adailah

Yousef Okour

Invite Mute All ...

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Involvement of Students



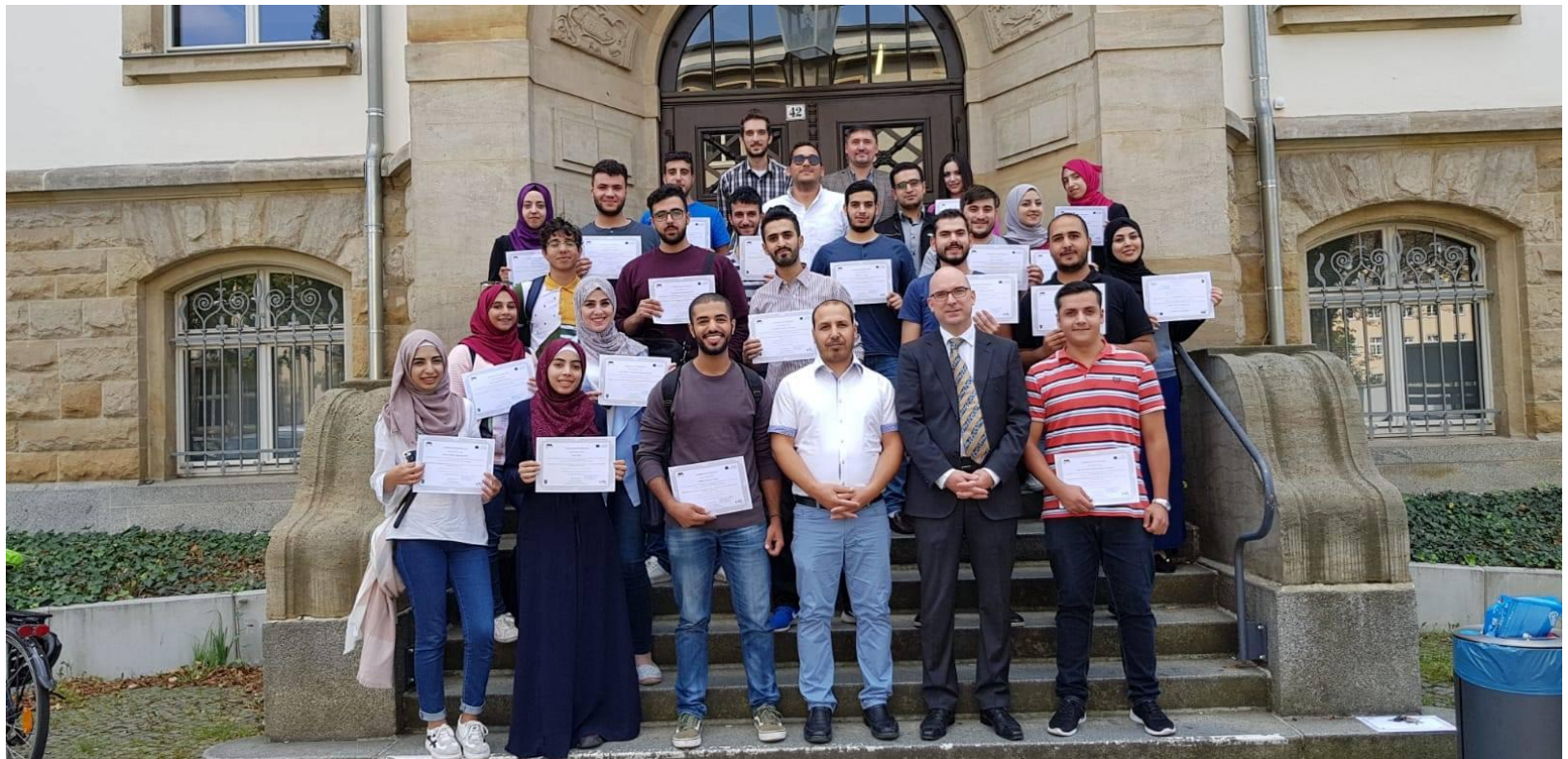
Students Training in Europe



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Involvement of Students



Students Training In Europe



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Involvement of Students during Covid 19



Students Training at UJ



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Involvement of Students



Info day for Tempus Projects



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Involvement of Students



MANSUR Final Conference



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Involvement of Students



Info days for EU Projects



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Students Mobility

- **MANSUR** students have been **trained** in Italy, UK & Sweden for two weeks
- **MAPEC** students have been **trained** in Germany, Austria and Portugal for two weeks
- **EGREEN** students have been **trained** in Germany, Austria and Portugal for two weeks
- **Joint** students have been **trained** in Sweden
- **Muree** students have been **trained** at Italy, Spain and Cyprus
- **DESIRE** students from Jordan have been **trained** in Germany, and Italy
- **MediTec** students have been **trained** in Slovakia and Czech Republic
- **METHODS** students from Jordan have been trained in Germany



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Achievements in Networking

- **MANSUR: Establishing Taqa Network**, consist from: Authorities, NGOs and private sectors interested in the renewable energy field, in order to engage them with academia
-
- **MAPEC: Establishing MAPEC National and International Network**, consist from 97 member: Authorities, NGOs and private sectors interested in the environmental engineering and climate change issues, in order to engage them with academia
- **MUREE: Establishing Muree National and International Network**, consist from 130 member: Authorities, NGOs and private sectors interested in renewable energy systems, in order to engage them with academia
- **METHODS: Establishing a network in ICT and Education** consist of 50 members
- **EGREEN: Establishing a network in Climate Change and Environmental Education** consist of 112 members
- **DESIRE: Establishing a network in Renewable energy and Environmental Education** consist of 120 members
- **HEALING: Establishing a network in Art Education** consist of 50 members



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Stakeholders Involvement



MANSUR Scientific Info day



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Stakeholders Involvement



MANSUR Scientific Info day



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Stakeholders Involvement



MANSUR Meeting with Stakeholders



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EU Projects Experience at UJ



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In Progress Projects



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Vocational Training Diploma on Electrical and Hybrid / ECO - CAR

- **The University of Jordan is the Applicant**
- **Partners are from: Jordan, Germany, Hungary, Greece, Spain and Italy.**
- **The project is a three years project, January 15, 2021 to January 14, 2024**
- **Project theme is Curriculum Development**
- **Project budget: 999,942 Euro**
- **Project website: <http://sites.ju.edu.jo/en/ECO-CAR/Home.aspx>**



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Vocational Training Diploma on Electrical and Hybrid / ECO - CAR

The **primary purpose** of this project is to develop the capacities in the field of Electrical and Hybrid cars in Jordan, and bring together and strengthen the cooperation between companies and HEIs through the empowering the engineers with needed skills in that meet the market need. This include providing specialised engineers to work in servicing and maintaining EV/HEV companies and also providing the vocational training centres with qualified trainers to graduate qualified technicians that able to meet market needs.



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Developing a Multidisciplinary Diploma on Art Therapy in Health Education / HEALING

- **The University of Jordan is the Applicant**
- **Partners are from: Jordan, Tunisia, Italy, Portugal, Croatia, Belgium and Greece.**
- **The project is a three years project, January 15, 2020 to January 14, 2023**
- **Project theme is Curriculum Development**
- **Project budget: 868,526 Euro**
- **Project website: <http://sites.ju.edu.jo/en/healing/Home.aspx>**



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Developing a Multidisciplinary Diploma on Art Therapy in Health Education / HEALING

- The main objective is to develop a multidisciplinary diploma in Art therapy in Health Education as well as to Establish Art Therapy Centre in each partner university.
- Also, objective of the project is to represent and encourage the development of Arts Therapy education in partner countries, in particular, to design professional educational program (e-learning package) that will enable all staff and students working with patients with long term conditions to offer their patients art-based therapeutic activities.



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Innovations in Water Education: Enhancing Water Security and Socio-economic Development in the Eastern Mediterranean under Climate Change

- **The University of Jordan is a Partner in the project**
- **The Applicant Palestine Technical University – Kadoorie (PTUK)**
- **Partners are from: Jordan, Palestine, Holland, Cyprus, Greece and Spain**
- **The project is a three years project, November 15, 2018 to November 14, 2021**
- **Project theme is Curriculum Development**
- **Project budget: 805,732.00 Euro**
- **Project website: <http://wasec.just.edu.jo/Pages/default.aspx>**



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Innovations in Water Education: Enhancing Water Security and Socio-economic Development in the Eastern Mediterranean under Climate Change

The purpose of this project is to bring together and strengthen the cooperation between companies and HEIs through the development of courses in Water Resources Management, while taking into consideration potential climate change impacts, with adaptive learning and teaching methods.



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Promoting youth employment in remote areas in Jordan / JOB- JO

- The University of Jordan is a Partner in the project
- The Applicant Mutah University
- Partners are from: Jordan, Cyprus, Portugal and Germany
- The project is a three years project, November 15, 2018 to November 14, 2021
- Project theme is Curriculum Development
- Project budget: 686,293.00 Euro
- Project website: <https://www.mutah.edu.jo/job-jo/>



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Promoting youth employment in remote areas in Jordan / JOB- JO

Job Jo is aiming to reduce unemployment and poverty in remote areas in Jordan through the establishment of multiple Business Bureaus in the participating higher education institutions. These Bureaus will provide the necessary teaching and training services for unemployed graduates and re-qualify them to increase their job opportunities. Job Jo also claims to have a special focus on women. The foreseen outcomes will effectively contribute to improving the capacity building process at the national level and to allow graduates to gain the skills and training needed for their profession



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Establishment of Intercalated Program in Basic Medical Sciences in Jordan/ iBMS-JO

- The University of Jordan is a Partner in the project
- The Applicant Jordan University of Science & Technology (JUST)
- Partners are from: Jordan, Greece, Italy, Portugal and Sweden.
- The project is a three years project from 15.01.2020 to 14.01.2023
- Project theme is Curriculum Development
- Project budget: 1,000,000.00 Euro
- Project website: <https://www.ibmsjordan.com/partners.html>



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Establishment of Intercalated Program in Basic Medical Sciences in Jordan/ iBMS-JO

iBMS-JO project aim at improving the capacity of all Medical Schools in Jordan in developing new programs in Basic Medical Sciences (BMS), in parallel to the currently available programs of Medicine and Surgery, and establishing local but interconnected Telemedicine Laboratories (TL), also the project aims at answering to the global health care schools challenges in providing graduates with iBSc degrees in BMS who can support these schools in providing well-qualified expertise in BMS.



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traditional craft Heritage trAining, desigN and marketing in jorDan and Syria /HANDS

- **The University of Jordan is a Partner in the project**
- **The Applicant Zaytoonah University of Jordan**
- **Partners are from: Jordan, Syria, Spain, Italy and Germany**
- **The project is a three years project, November 15, 2019 to November 14, 2022**
- **Project theme is Curriculum Development**
- **Project budget: 953,474.00 Euro**
- **Project website: <https://www.zuj.edu.jo/HANDS/#>**



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**traditional craft Heritage trAining, desigN and marketing in
jorDan and Syria /HANDS**

The project objective is the establishing of traditional craft vocational education systems in ME with the help of master craftsmen in line with European standards.



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THE ACADEMIC ALLIANCE FOR RECONCILIATION
PEACEBUILDING STUDIES IN
THE MIDDLE EAST AND NORTH

AARMENA

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Strengthening the Academic Alliance for Reconciliation in the Field of Higher Education in Peace, Conflict Transformation, Reconciliation studies in the Middle East and North Africa / AARMENA

- The Friedrich Schiller University Jena is the Applicant
- Partners are from: Jordan, Palestine, Algeria, Austria and Germany.
- The project is a three years project, January 15, 2021 to January 14, 2024
- Project theme is Curriculum Development
- Project budget: 700,561.00 Euro
- Project website: <https://www.aarmena.uni-jena.de/erasmus+>



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THE ACADEMIC ALLIANCE FOR RECONCILIATION
PEACEBUILDING STUDIES IN
THE MIDDLE EAST AND NORTH

AARMENA

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Strengthening the Academic Alliance for Reconciliation in the Field of Higher Education in Peace, Conflict Transformation, Reconciliation studies in the Middle East and North Africa / AARMENA

Reconciliation, conflict transformation and peacebuilding to transform violent conflicts and to trigger a social and cultural change in the MENA region.



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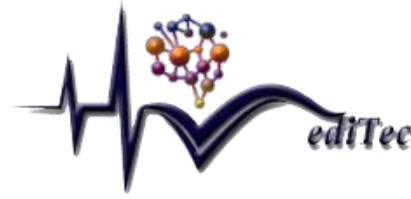
THE UNIVERSITY OF
JORDAN



Finished Projects



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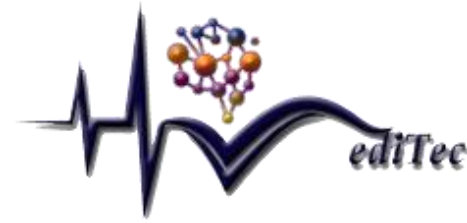


MediTec: Training for Medical Education via innovative eTechnology

- **The University of Jordan is a Partner in the project**
- **The Applicant Applied University of Leipzig.**
- **Partners are from: Jordan, Iraq, Iran and Germany**
- **The project is a three years project, October 15, 2017 to August 14, 2021**
- **Project theme is Curriculum Development**
- **Project budget: 999,996.00 Euro**
- **Project website: <http://meditec.just.edu.jo/Pages/default.aspx>**



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MediTec: Training for Medical Education via innovative eTechnology

The MediTec project will support and modernize the medical education in Jordan, Iraq, and Iran by establishing Innovative Training Centers with Immersive Medical Learning Platform and realistic simulation models in order to improve the practical and soft skills for students in medical education in Jordan, Iraq, and Iran.



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HEBA: High level rEnewaBle and energy efficiency mAster courses

- **The University of Jordan is a Partner in the project**
- **The Applicant Universitaet Innsbruck, Austria**
- **Partners are from: Jordan, Lebanon, Egypt, Cyprus, Italy and Germany**
- **The project is a three years project, October 15, 2017 to July 14, 2021**
- **Project theme is Curriculum Development**
- **Project budget: 999,873.00 Euro**
- **Project website: <http://sites.ju.edu.jo/en/heba/Home.aspx>**



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HEBA: High level rEnewaBle and energy efficiency mASter courses

This project aims to improving the capacities of 6 Universities in MENA (2 in Egypt, 2 in Jordan and 2 in Lebanon) developing a new lectures/courses on “Energy Efficiency and Renewable Energy EE+RE” and establishing local but interconnected laboratories/ centers on EE+RE (EEREL)

The consortium will help the society to protect the earth. It will help in providing qualified professional resources capable of sustaining and managing the huge effort of EE+RE infrastructure development. Special emphasis will be given to advanced energy management. HEBA will be oriented to further development of the process of interaction with professional communities and reflects their requirements in the developed curriculum.



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EGREEN



Development of Environmental engineering courses and injection of climate change concept for undergraduate curriculum: EU experience for Jordan and Syria (EGREEN)

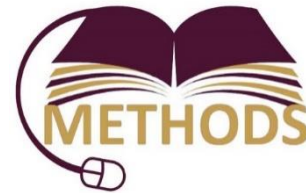
- **The University of Jordan is the Grant holder (Applicant) for the project**
- **The project is a three years project, started in October 15, 2016 and ends in April 14, 2020**
- **Project theme is Curriculum Development**
- **Project Partners are from: Jordan, Syria, Austria, Germany, Portugal and Spain**
- **Project budget: 999 512,00 €**

It aims to:

1. Develop, integrate, accredit and evaluate 7 Environment modules with an appropriate laboratory component in environment jointly taught by JO and SY partner universities and brought into line with the Bologna requirements.
2. Engage faculty in development of interactive instruction techniques for lectures and laboratory courses and sharing experiences with EU partner universities.
3. Develop and implement 2 course content using e-learning & 1 ECTS .
4. Introduce a climate change course.



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Modernization of tEaching meThodologies in higher educatiOn: EU experience for jorDan and paleStinian territory (METHODS)

- **The University of Jordan is the Grant holder (Applicant) for the project**
- **The project is a three years project, started in October 15, 2015 and ends in April 14, 2019**
- **Project theme is Curriculum Development**
- **Project Partners are from: Jordan, Palestine, Germany, UK, Denmark and Spain**
- **Project budget: 990 590,00 €**

It aims to:

1. Improving the quality of teaching and learning at the PC universities through incorporating technological tools in consistence with pedagogical best practices, through mutual visit from Partner countries to European partners and vice versa.
2. Create a hub of competence aims to improve quality of teaching and learning, as well hosting educational portal for sharing these experiences.



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Promotion of Innovation Culture in the Higher Education in Jordan (INVENT)

- The University of Jordan is Partner in the project
- The Applicant is Jordan University of Science and Technology (JUST)
- The project is a three years project, started in October 15, 2015 and ends in October 14, 2018
- Project theme is Curriculum Development
- Project Partners are from: Jordan, Germany, Spain, Portugal, Slovakia, Cyprus and Italy
- Project budget: 989,628 €

It aims to:

Strengthening and enhancing the role of higher education institutes and universities in innovation capacity building, technology transfer and commercialization of applied scientific research outcome in Jordan.



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Vocational training center for undergraduate university students and teachers in Jordan (VTC)

- **The University of Jordan is Partner in the project.**
- **The Applicant is Leipzig University of Applied Sciences (HTWK) in Germany.**
- **The project is a three years project, started in October 15, 2015 and ends in October 14, 2018.**
- **Project theme is Curriculum Development.**
- **Project Partners are from: Jordan, Germany, Spain, Portugal and Slovakia.**
- **Project budget: 689,938 €.**

It aims to:

Strengthening and enhancing the role of higher education institutes and universities in innovation capacity building, technology transfer and commercialization of applied scientific research outcome in Jordan.



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Improving Higher Education Quality in Jordan using Mobile Technology for Integration of Disadvantaged Groups (mEQUITY)

- The University of Jordan is a Partner in the project
- The Applicant is Plovdiv University (PU)
- The project is a three years project, October 15, 2015 to October 14, 2018
- Project theme is Curriculum Development
- Project budget: 785,941€
- Project website: <http://mequity.dipseil.net/index.html>

- It aims to:

Strengthening and enhancing the role of higher education institutes and universities in innovation capacity building, technology transfer and commercialization of applied scientific research outcome in Jordan.



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Improving Higher Education Quality in Jordan using Mobile Technology for Integration of Disadvantaged Groups (mEQUITY)

- Use of mobile technologies to expand training opportunities for students with Special needs.
- Use of mobile devices for distant training of socio-economic disabled people.
- Increase the quality of the Jordanian higher education system by promoting the adoption of the MDR Model as a model for a wider reform of the education in the domain of engineering education for people with special needs.
- Implement and promote of inclusive education practices for students with special educational needs in the Jordanian universities that will lead to delivering a more equal education opportunity for all students.
- Strengthening the institutional capacities of the 3 Jordanian universities through short term intensive training of academics and staff members.



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Development of higher Education teaching modules on the Socio-economic Impacts of the Renewable Energy implementation (DESIRE)

- The University of Jordan is a Partner in the project
- The Applicant is German Jordanian University.
- The project is a three years project, October 15, 2015 to April 14, 2019
- Project theme is Curriculum Development.
- Project Partners are from: Jordan, Egypt, Syria, Italy, Cyprus and Germany.
- Project budget: 985,055€
- Project website: <http://gjudesire.wixsite.com/desire>



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Development of higher Education teaching modules on the Socio-economic Impacts of the Renewable Energy implementation (DESIRE)

- **Objectives:**

- **To introduce 4-6 modules in the topic of socio-economic impacts of renewable energy** to the curriculum of undergraduate and postgraduate study programmes in different faculties at different partner and associated universities.
- **To develop and implement online modules and study material related to the socio-economic impacts of renewable energy** utilization as an e-learning platform for a better outreach for the target groups.
- **To Carry out campaigns, workshops and public awareness activities** to enhance the understanding of the socio-economic impacts of RE.
- **To enhance the capabilities of existing REEE training entities** at partner and associated universities to improve their capacity building programmes and long-life training in the field.
- **To establish a national regional and international network** that will establish cooperation between partner and associated MENA universities and EU partners with respect to the socio-economic impacts of the utilization of renewable energy systems



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Smart Control Systems for Energy Management: New Master Degree (SEM-SEM)

- The University of Jordan is a Partner in the project
- The Applicant is Staffordshire University (SU)
- The project is a three years project, October 15, 2015 to April 14, 2019
- Project theme is Curriculum Development
- Project budget: 981,618 €
- Project Partners are from: Jordan, Egypt , Cyprus, Greece, Portugal, Spain and UK
- Project website: <http://www.aast.edu/en/scientific-research/SEM-SEM/index.php>



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ENEPLAN

Developing skills in the field of integrated energy
planning in MED Landscapes



Developing skills in the field of integrated energy planning in Med Landscapes (ENEPLAN)

- **The University of Jordan is a Partner in the project**
- **The Applicant is University of Roma Tre, Italy.**
- **The project is a three years project, October 15, 2015 to October 14, 2018**
- **Project theme is Curriculum Development**
- **Project budget: 997,322€**
- **Project website: <http://www.eneplan-erasmus.eu/project>**



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ENEPLAN

Developing skills in the field of integrated energy
planning in MED Landscapes



Developing skills in the field of integrated energy planning in Med Landscapes (ENEPLAN)

- **It address the lack of interdisciplinary approaches in higher education on energy planning and RES development in Mediterranean areas**, by increasing the capacities of future professionals through innovative ICT-based educational approaches, able to integrate different disciplines (spatial planning, environment, engineering, landscape)
- **Addressing the Concept-Map**, which is an ICT tool to represent relationships among concepts, and, can be “customized” according to users’ needs, resulting in a versatile instrument for educational purposes and professional upgrade, as well as in a stimulus for developing applied research.



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CCSAFS



University of Crete



Developing a MSc Programme in Climate Change, Sustainable Agriculture and Food Security (CCSAFS)

- The University of Jordan is Partner in the project
- The Applicant is University of Crete (Greece)
- The project is a three years project, started in October 15, 2016 and ends in October 14, 2019.
- Project Partners are from: Jordan, Egypt, Greece, Italy and Cyprus
- Project theme is Curriculum Development
- Project budget: 975,848.90 €
- Website: <http://www.ccsafs.edc.uoc.gr/>



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CCSAFS



Developing a MSc Programme in Climate Change, Sustainable Agriculture and Food Security (CCSAFS)

- Objectives:

- Develop an inter/multidisciplinary MSc. programme in Climate Change, Sustainable Agriculture and Food Security, comparable and compatible with EU equivalent programmes in cooperation with EU and PC Universities, NGOs, local agricultural/food industry, government agencies and higher education accreditation commissions.
- It will be worth of 120 ECTS (90 ECTS course work & 30 ECTS thesis) where Suez Canal University, Egypt and Jerash University, Jordan will serve as the main hubs.
- Carry out capacity building for the involved staff from the partner institutions: a) to design post-graduate curricula in line with the Bologna process; b) to design and develop inter/multidisciplinary course curricula at the post-graduate level; and c) to apply innovative and flexible teaching and learning methods.



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Fostering Academia-Industry Collaboration in Food Safety and Quality (FOODQA)

- The University of Jordan is a Partner in the project
- The Applicant is Jordan University of Science and Technology (JUST).
- Project Partners are from: Jordan, Germany, Italy , Portugal , Greece and Croatia
- The project is a three years project, October 15, 2016 to October 14, 2019
- Project theme is Curriculum Development
- Project budget: 999,975€
- Project website: <http://foodqa.just.edu.jo/Pages/default.aspx>



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Fostering Academia-Industry Collaboration in Food Safety and Quality (FOODQA)

- **The FoodQA project will notably allow:**
 - **To specify the needs in food companies** in order to better shape training courses and encourage close interactions of authorities with the concerned companies.
 - **To develop a more professional and complete approach** that will federate experts of several disciplines to support the best projects and allow their transfer within a food company partner of the project or in HEIs' incubators.
 - **To analyze and address the skills and needs** of food companies in order to propose new training sessions
 - **To put together revised and new training courses** for all stakeholders.



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TEMPUS–EU

Grant Projects

Project Title	Project Logo	Period of Project	Funds
Master Program of Environmental Engineering and Climate Change (MAPEC)		15.10.2011 – 15.10.2016	1,117,426.00 Euro

Partner in Projects

Project Title	Project Logo	Period of Project	Funds
Development of an Inter-disciplinary Programme on Climate Change and Sustainability Policy (CLIMASP)		1.12.2013 – 30.11.2016	1,246,635.00 Euro
Modernising Undergraduate Renewable Energy: Education: EU Experience for Jordan (MUREE)		15.10.2012 – 15.10.2015	1,193,189.00 Euro
EU-EG-JO Joint Master Programme in Intelligent Transport Systems (Joints)		15.10.2012 – 15.10.2015	1,067,533.65 Euro
Master on Sustainable Development and Renewable Energy (MANSUR)		15.10.2010 – 15.6.2014	1,261,316.00 Euro



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ENI – CBCMED Projects



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ENI
CBCMED
Cooperating across borders
in the Mediterranean



Project funded by the
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REGIONE AUTÒNOMA DE SARDIGNA
REGIONE AUTONOMA DELLA SARDEGNA



NAWAMED

Nature Based Solutions for Domestic Water Reuse in Mediterranean Countries

Partners

Lead Beneficiary: Province of Latina, Italy

Partner 1: IRIDRA, Italy

Partner 2: SVI.MED-Euro-Mediterranean Centre for the Sustainable Development, Italy

Partner 3: CERTE- Center for Research and Water Technologies, Tunisia

Partner 4: University of Jordan, Jordan

Partner 5: EWA- Energy and Water Agency, Malta

Partner 6: AUB-American University of Beirut, Lebanon



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**REGIONE AUTÒNOMA DE SARDIGNA
REGIONE AUTONOMA DELLA SARDEGNA**



NAWAMED

Nature Based Solutions for Domestic Water Reuse in Mediterranean Countries

Associate partners

MUNICIPALITY of TUNIS, Tunisia

Municipality of Jerash, Jordan

Municipality of Ferla, Italy

Polytechnic of Turin, Italy

Budget: 3.2 Million total budget
(90% ENI CBC MED Programme
EU- contribution)

Duration in months: 36 months
10/09/2019 – 9/09/2022



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REGIONE AUTONOMA DELLA SARDEGNA**



NAWAMED

Nature Based Solutions for Domestic Water Reuse in Mediterranean Countries

NAWAMED general objective

NAWAMED aims at Changing the urban water management practice by mean of innovative, sustainable, and low-cost treatment technologies-**nature-base solutions applicable in a decentralized way** ,to replace the use of potable water with good quality of non-conventional water (NCW).



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REGIONE AUTONOMA DELLA SARDEGNA



NAWAMED

The project will demonstrate the **technical and economic feasibility of nature-based and low-cost solutions**, such as living green walls or rooftop wetlands, **to treat and use non-conventional water resources** in schools, universities, public facilities and in a refugee camp.





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NAWAMED

Expected achievements

- **8 real scale pilot installation** for greywater/rainwater treatment
- **15 technical visits** to pilot sites
- **5 training workshops** organized for technical staff
- **30% reduction in water consumption** at pilot sites level
- **9,000 m³/year of non-conventional water to be reused** at urban/domestic level
- **1 Mediterranean Policy Document** to foster the inclusion of water demand management and non-conventional water resources

✓ The project aims to treat **2500 m³/year** of grey water in **Jordan**

✓ The size of the treatment plants are: **170m²**for Amman and **120 m²** for Jerash



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NAWAMED

NAWAMED pilot 1 JORDAN

University of Jordan site Al-Zahra'a Dormitory





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REGIONE AUTONOMA DELLA SARDEGNA**



NAWAMED

NAWAMED pilot 2 JORDAN

Jerash municipality Zaha Cultural Center Park





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Nature Based Solutions for Domestic Water Reuse in Mediterranean Countries (NAWAMED)

NAWAMED aims at Changing the urban water management practice by mean of innovative, sustainable, and low-cost treatment technologies-**nature-base solutions applicable in a decentralized way** ,to replace the use of potable water with good quality of non-conventional water (NCW).

The project will demonstrate the **technical and economic feasibility of nature-based and low-cost solutions**, such as living green walls or rooftop wetlands, **to treat and use non-conventional water resources** in schools, universities, public facilities and in a refugee camp.

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- ✓ The size of the treatment plants are: 170m²for Amman and 120 m² for Jerash



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Memories



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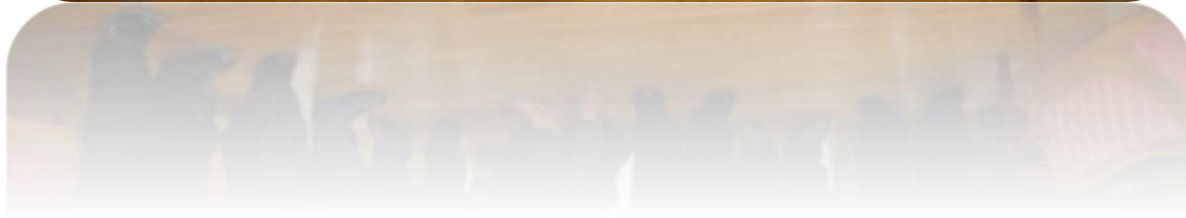


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THANK YOU!

Prof. Ahmed Al-Salaymeh