

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

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# Monitoring and Evaluation Report 2018/19

WP 8 Quality Plan

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**Project Partners:**

P1	GJU	German-Jordanian University,
P2	UJ	University of Jordan
P3	UCY	University of Cyprus
<del>P4</del>	<del>FECU</del>	<del>Cairo University<sup>1</sup></del>
P5	AU	University of Aswan
P6	UNIROMA1	Sapienza University of Rome
P7	WI	Wuppertal Institute of Climate, Environment and Energy
P8	TUD	Technische Universität Dresden
P9	DU	Damascus University
P10	TU	Tishreen University

**Date:** 5<sup>th</sup> of April 2019

ERASMUS PLUS Programme – DESIRE Project number:  
561638-EPP-1-2015-1-JO-EPPKA2-CBHE-JP



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<sup>1</sup> The participation of the Cairo University is frozen since 2017

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## Review table

Version	Date of Submission	Quality check		Technical check	
		Reviewer	Date	Reviewer	Date
V03	05.04.2019			Hamza Alnawafah	07.04.2019
V04	09.04.2019			Mai AL-Zu'bi	09.04.2019
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## Abbreviations

AU	Aswan University
CU	Cairo University
CYU	Cyprus University
DC	Dissemination Committee
DU	Damascus University
EU	European Union
GJU	German Jordan University, Jordan
LFM	Logical Framework Matrix
MENA	Middle East and North Africa
MoM	Minutes of Meeting
PM	Project manager
QC	Quality Committee
STC	Steering Committee
STeC	Scientific and Technical Committee
UJ	University of Jordan, Jordan
TU	Tishreen University, Syria
TUD	Technische Universität Dresden, Germany
RE	Renewable Energy
REEE	Renewable Energy and Energy Efficiency
UNIROMA1	Sapienza Università di Roma
WI	Wuppertal Institute for Climate, Environment and Energy, Germany
WP	Work Package

# 1 Introduction

The Monitoring and Evaluation Report is a regular report in the DESIRE project. This is the third out of three reports during the project time. The project coordinator approved the first report at the project meeting in Aswan in February 2017. The second report was approved in May 2018. The scope of this report is the third project year including the half year extension of the project life time, started 15<sup>th</sup> of October 2018 and ended 14<sup>th</sup> of April 2019.

This report based on distributed project progress questionnaires to all project member institutes, esp. to all work package leaders, in order to monitor the activities of the project partners and the progress in work packages. The survey has been created two times during this report period. The first progress report covers the time from 15<sup>th</sup> October 2017 to 31<sup>st</sup> July 2018. The second progress report covers the time period from 1<sup>st</sup> of August 2018 to the 28<sup>th</sup> of February 2019.

It should be mentioned that Tishreen University and Damascus University are no work package leaders, however, they contribute in many work packages of the DESIRE project and delivered also project progress reports.

The participation of the Cairo University is frozen since August 2017, as the university lost the allowance of the Egyptian governance. The project coordinator decided that GJU undertake the tasks of Cairo University respectively the tasks of WP 9.

An updated overview about all deliverables and project outcomes is provided in **Appendix A**.

The feedback of the partners is summarized and structured in this report, sorted by work package number. The original project progress reports are attached in **Appendix B1 and B2**.

## 1.1 Objectives of this report

The general objectives of this report are:

- giving an overview about project activities in the second project year
- list deliverables and outcomes of the DESIRE project
- show bottlenecks and propose strategies to fulfil the project plan in time

## 1.2 Measurements to evaluate project progress

The assessment is based on the logical framework matrix (LFM) as described in the project proposal and that distinguish between the following topics:

### Wider objective of the DESIRE project

The wider objective of the project is to develop and implement interdisciplinary teaching modules in socio-economics impacts of renewable energies. These courses will be made available for the faculties of Engineering, Economics, Social Science, Business Administration and others. The training courses will be available for graduates and community members.

Indicators for the progress of these wider objectives are:

- the prepared modules (see WP 3)

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- courses are implemented in curricula of different universities (see WP 5)
- training courses and workshops are successfully launched (see WP 4)

The measurements of the above indicators are based on numbers of implemented teaching modules, number offered of training courses and workshops as well as number of registered organizations that benefit from e-learning modules.

### **Specific objectives of the DESIRE project**

The specific project is to introduce the topic of socio-economic impacts of renewable energy to the curricula of undergraduate and postgraduate programs in different Middle East and North Africa (MENA) countries and possibly European Union (EU) universities. An additional specific objective is to deepen the understanding of the socio-economic impacts of renewable energy projects among communities, working force and university renewable energy faculty members and graduates in the MENA region. Furthermore, the DESIRE project aims to develop and implement online teaching modules in the field of socio-economics impacts of renewable energy for wider dissemination. That means also to enhance cooperation amongst universities in beneficiary countries on one hand and with EU universities on the other hand in the field of REEE teaching, especially the socio-economic impacts of the implementation of renewable energy technologies. Finally, another important specific objective is to build capacities of the university teaching staff in partner and associated universities through training workshops and exchange activities.

Indicators of these specific project objectives are

- courses are integrated in study programs at universities (WP 5)
- the courses are accredited (WP 5)
- courses are developed and uploaded to the virtual online environment (WP 5)
- workshops and training sessions are offered for partners and associated partners (WP 4)
- regional and international network is established (WP 2)

The measurements for these indicators are the number of registered beneficiaries for the online courses, number of universities implemented the teaching modules, number of participants in the training courses and workshops, participants of the DESIRE network, number of partners teaching staff visited training courses by the project and results from questionnaire completed by students visited the developed courses and completed by teaching staff visited the trainings.

During the project, all partners are aware about the risks to fulfil these objectives, namely possible low interest of stakeholders, political instability (esp. in Syria), higher level of bureaucracy in some partner universities causing delays and approval of accreditation.

To deal with these risks, we introduced a project progress report, where expected bottlenecks for each project partner are reported.

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### **Outputs of the DESIRE project**

The output of the DESIRE project is structured by the work packages WP1 to WP9 and is described in detail in the following sections. The indicators of progress are

- publishing of status report in the socio-economic impacts of RE (WP 1)
- junior and senior staff exchange of visits between partners (WP 4)
- establishment of e-learning portal (WP 3)
- preparing the specialized courses (WP 3)
- implementation and teaching of modules (WP 5)
- launching of project website (WP 9)
- evaluation report (WP 8)
- dissemination of projects activities through workshops, events, seminars and the website (WP 9)

These indicators will be measured by numbers of participants to the related activities. Furthermore, the activity on the website will be measured and the number of local participants at workshops.

There are a number of assumptions and risks to achieve these objectives. The continued interest of stakeholders and the implementation according to the schedule are crucial factors during the project.

### **Activities in the DESIRE project**

Activities in the DESIRE project are strongly connected with the WP. The current status of each WP is described in the following sections in detail. All of the DESIRE activities require input of all project partners.

To measure the progress of activities, we monitor whether the activities took place in time or had delay.

The risks for these project objectives are the acceptance of the project, the interest of students in taking courses on socio-economic impacts of RE, the sustainability of actions as well as cooperation from the governmental institutions, NGOs and private sector.

### **Results of the DESIRE project**

The results of the DESIRE project are also part of each work package and contains mainly meetings, reports.

To measure and monitor all of these objectives, activities and results, all project partners filled in a project progress report (attachment).

## **2 General project progress (Executive Summary)**

This section gives a brief overview about the physical meetings and implementations of the DESIRE project team in the first and second project year.

### **2.1 Project meetings**

The project includes regular meetings at intervals of six months. During the work periods between the project meetings the communication is insured by phone and Skype calls as well as E-mail correspondence. The first meeting was from 5<sup>th</sup> to 7<sup>th</sup> January 2016 in Amman (Jordanian) and the second meeting was in Wuppertal (Germany) from 14<sup>th</sup> to 15<sup>th</sup> July 2016. Both were reported in the first monitoring and evaluation report. Further STC meetings took place in Aswan (in February 2017) and in Dresden (in July/August 2017) and were reported in the second monitoring report.

#### **2.1.1 Amman, Jordan, 3-6 April 2018**

A fifth scientific and technical committee (STC) meeting was held in April 2018 hosted by the partners from University of Amman, Jordan. The meeting was from 3<sup>th</sup> to 6<sup>th</sup> of April 2018. Furthermore, an international conference, 6th Global Conference on Renewables and Energy Efficiency for DEsert Regions (GCREEDER-2018), took place.

The progress of the meeting as well as agreements, tasks and responsibilities are documented in the Minuets of Meeting (MoM) and can be find in the **Appendix A**.

#### **2.1.2 Rom, Italy, 9-10 July 2018**

A sixth STC meeting was held in July 2018 hosted by the partners from the Sapienza University (UNIROMA1), Italy. The meeting was from 9<sup>th</sup> to 10<sup>th</sup> of July 2018. As a major topic, the final external evaluation report was discussed and further improvements for the extension of the project were suggested.

The progress of the meeting as well as agreements, tasks and responsibilities are documented in the Minuits of Meeting (MoM) and can be find in the **Appendix A**.

#### **2.1.3 Nicosia, Cyprus, January 2019**

The seventh meeting was held in January 2019 hosted by the partners from the University of Cyprus in Nicosia.

The progress of the meeting as well as agreements, tasks and responsibilities are documented in the Minuits of Meeting (MoM) and can be find in the **Appendix A**.

#### **2.1.4 Madaba, Jordan, March 2019**

The final STC meeting was held in March 2019 hosted by the project coordinator, German-Jordanian University, in Madaba, Jordan. The meeting included a final conference in order to disseminate the project results.

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The progress of the meeting as well as agreements, tasks and responsibilities are documented in the Minutes of Meeting (MoM) and can be found in the **Appendix A**.

### 2.1.5 List of virtual meetings

In addition to the half year meetings, the project coordinator started to organize regular virtual meetings using Skype and Google Hangout. Furthermore, many bilateral meetings took place among European and MENA partners, e.g. to organize virtual workshops or further project activities.

	Date	Participants	Reference
	14.05.2018	15	Appendix A
	31.10.2018	13	Appendix A

Table 1 List of virtual meetings in 2018

## 2.2 Trainings

Training courses were prepared in the first project year. In 2017, five training courses were implemented. In the 2018 and 2019, further trainings took place in European and beneficiary countries. The following table provides an overview about place, time and number of participants.

Date		Location	Topic	Number of Participants
<b>Train of the trainers workshops (ToT)</b>				
From	To			
27.06.2018	29.06.2018	UCY, Cyprus	Technological Innovation of RES Job creation in renewable energy and energy efficiency	see report
01.08.2018	03.08.2018	TUD, Germany	Economics of renewable energy systems	see report

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			Integration and system aspects of renewable energy systems	
11.07.2018	13.07.2018	UNIROMA1, Italy	Health, Well-Being and Environmental qualities  Climate effects, environmental management and sustainable development	see report
<b>Virtual workshops schedule on know-how and skills</b>				
<b>From</b>	<b>To</b>			
05.03.2019	06.03.2019	UCY, Cyprus	Technological Innovation of RES  Job creation in renewable energy and energy efficiency	see report
19.02.2019	19.02.2019	TUD, Germany	Economics of renewable energy systems	see report
06.03.2019	06.03.2019	TUD, Germany	Integration and system aspects of renewable energy systems	see report
21.02.2019	21.02.2019	UNIROMA1, Italy	Health, Well-Being and Environmental qualities  Climate effects, environmental management and sustainable development	see report

Table 2 List of trainings in 2018 and 2019

## 2.3 Implemented courses

In 2017, the basic module and 6 additional courses were developed. The implementation of the basic module took place in Aswan University and at the University of Jordan as a pilot implementation (see also report). The numbers of participants based on the number of evaluation questionnaires.



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<b>University</b>	<b>Module</b>	<b>Number of Participants</b>
UJ	Basic Module	11
Aswan University	Basic Module	29

Table 3 List of universities that implemented teaching modules in 2018 and 2019

The GJU developed an implementation plan (for more details see WP5). Each MENA university has to implement the basic module and at least one advanced module before the end of the project.

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### 2.4 Overview Deliverables of working packages

In the first project year, the general work concentrated on the preparation of trainings courses and starts with the preparation of important project platforms. Important results were reported in the first Monitoring and Evaluation Report.

The second project year concentrated on trainings and the development of teaching modules. Additionally, dissemination workshops took place. Important results were reported in the second Monitoring and Evaluation Report.

The third project year focused on implementing the modules into regular courses and to disseminate project results, e.g. through an e-learning platform. Important results are reported in the third Monitoring and Evaluation Report.

A detailed list of outcomes and results of the work packages can be found in the **Appendix A**.

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## 2.5 Adapted time schedule and next steps

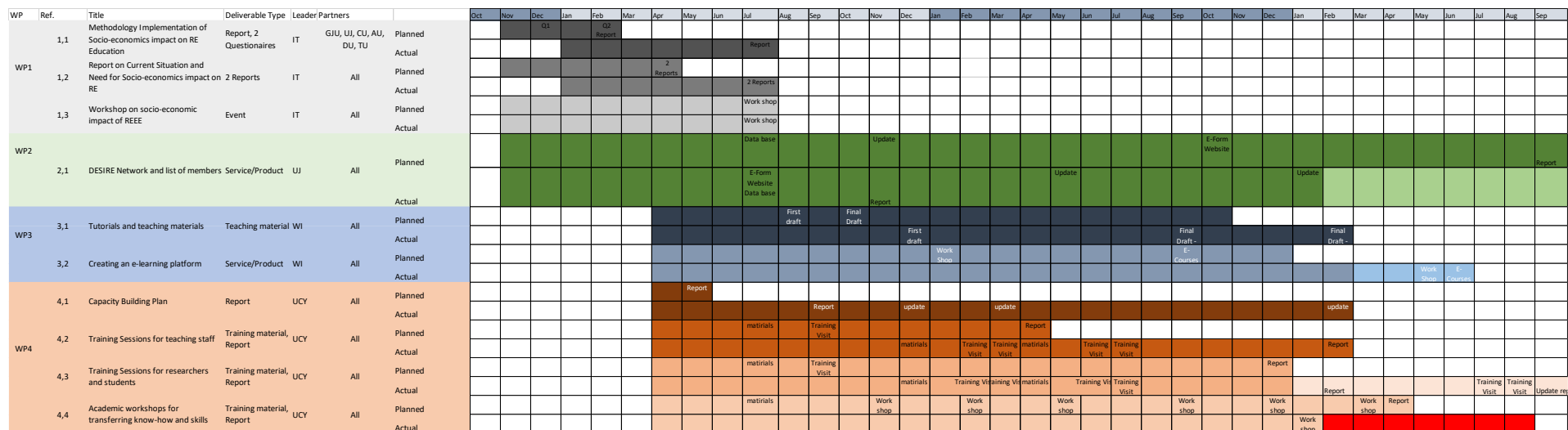


Figure 1: Adopted time schedule for WP 1 to WP 4

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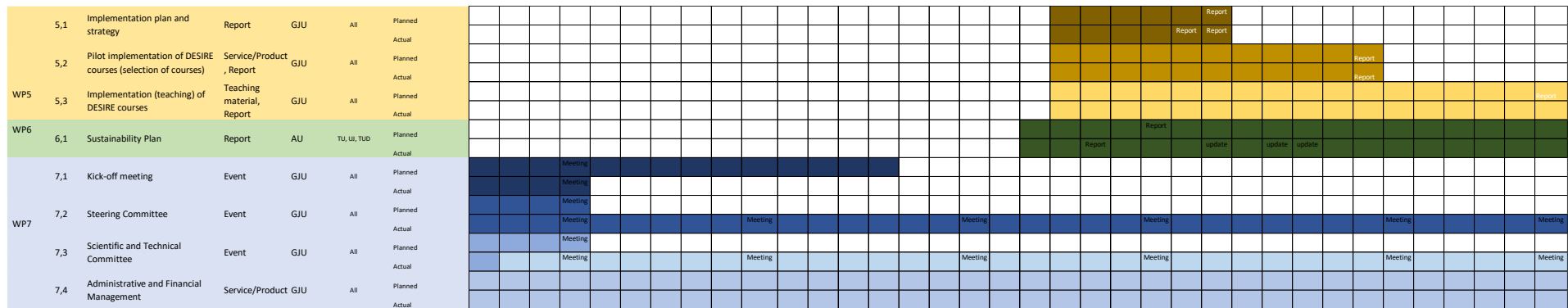


Figure 2: Adopted time schedule for WP 5 to WP 7

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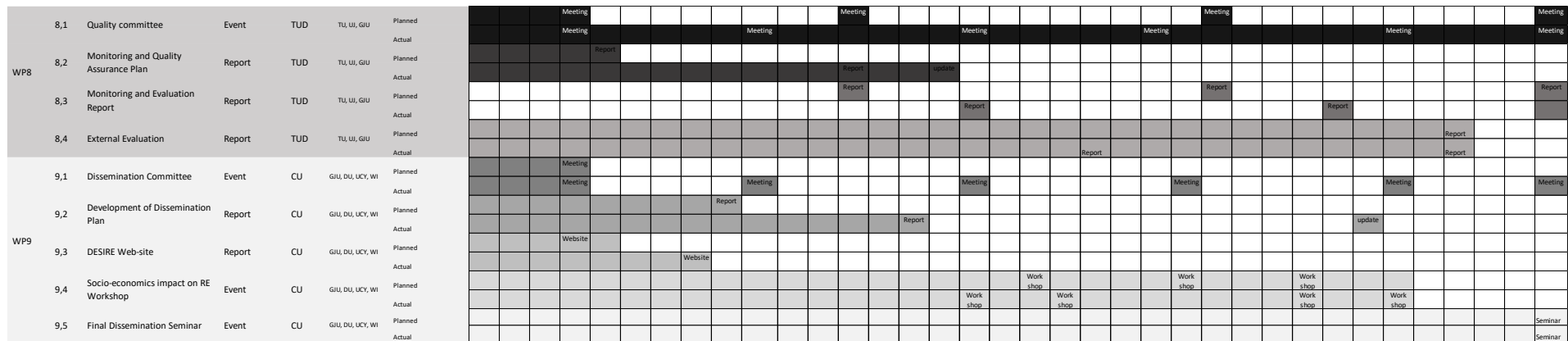


Figure 3: Adopted time schedule for WP 8 to WP 9

## **3 Detailed report on work package activities**

### **3.1 WP1 Scoping and need analysis**

The work package aims at scoping the current situation of REEE teaching in the beneficiary partners including extent of how the socio-economic dimension of REEE is represented in the study programs.

This work package is finished and both reports are approved by the committees QC and STeC. Both surveys investigated eleven main socio-economic aspects, previously identified: Energy Access, Poverty alleviation, Health and well-being, Urban planning, Environmental quality, Climate effects, Energy Security, Sustainable economic effects, Job creation, Cost saving and Innovation. The methodology adopted in the analysis was explained in the introduction of each report.

An updated report of Methodological implementation was delivered in December 2017.

A detailed description of the reports was provided in the previous evaluation report. The deliverables are (see also Appendix A):

- REPORT Methodological implementation of Socio-Economic impact on RE
- REPORT on the Survey on socio-economic aspects in REEE programmes (Stakeholder)
- REPORT on the Survey on socio-economic aspects in REEE programmes (University)
- REPORT on the Survey on socio-economic aspects in REEE programmes (Beneficiary University)
- WORKSHOP on socio-economic impact of REEE, 14-15<sup>th</sup> of July 2016 in Wuppertal (see MoM of project meeting in Wuppertal)

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### **3.2 WP2 Creating inter-regional network**

The goal of this working package is to create a platform of the leading teaching institutions, companies, universities and NGOs in the different fields of renewable energy in order to exchange information, knowledge and expertise.

UJ provide an invitation letter and a DESIRE Network Registration form for companies, NGOs and institutions to join the DESIRE network. Using the invitation letter, each project partner invited at least ten national institutions to join the DESIRE network.

The DESIRE webpage informs potential members of the DESIRE Network about activities and benefits of the project: <http://desire.gju.edu.io/>. Additionally, the registration form is also available in the section "Network".

The DESIRE network report is finished. Until now **85 members** (+9 compared to the last version) are listed in the DESIRE Stakeholder Matrix. The objective is, to extend the network up to 100 members. However, the work package see several challenges for the work package:

*"bottlenecks are mainly related to the low interest and slow response of local and regional stakeholders to participate in the project network and to support its objectives. [...] Slow response from DESIRE partners."*

The following activities were initiated in order to mitigate these developments:

- Dissemination workshops in Aswan (02.2017),
- Dissemination workshop in Amman (04.2017)

The work package will go on until the end of the project. The deliverables are (see also Appendix A):

- TEMPLATE DESIRE invitation E-Mail
- FORM DESIRE registration form
- REPORT DESIRE Networking Report (Version 1)
- REPORT DESIRE Networking Report (Version 2)
- REPORT DESIER Networking Report (Version 3)

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DESIRE – Monitoring and Evaluation Report (10.2016 – 10.2017)

### **3.3 WP3 Development of modules, training sessions and online contents**

This work package aims at the development of new teaching modules in the field of the socio-economic of renewable energy and energy efficiency.

#### **3.3.1 WP 3.1 Tutorials and teaching materials**

During the project meeting in Wuppertal an initial structure of the modules (basic module and additional modules) has been introduced (modular system).

In 2017, MENA universities and European universities developed six advanced teaching modules, based on the basic module. The modules were finished in 2018. The preparation of handbooks, syllabus and exam questions was added to all modules.

The deliverables are (see also Appendix A):

- PRESENTATION Guidelines for developing DESIRE Modules
- BASIC MODULE
  - Basic Energy Transition (Wuppertal Institute, WI)
- ADVANCED MODULES
  - Climate effects, Environmental Management and Sustainable Development (Tishreen University, TU)
  - Health, Well-being and Environmental Quality (Tishreen University, TU)
  - Integration and System Aspects of RES (Aswan University, AU)
  - Technological Innovation of RES (Damascus University, DU)
  - Economics of RES (University of Jordan, UJ)
  - Job effects of RES (German Jordanian University)

#### **3.3.2 WP 3.2 Creating an e-learning platform**

Unlike in the project proposal announced, the implementation will be coordinated by UNIROMA1 and GJU. The courses refers to the teaching material that is created in WP 3.1. A concept of the e-learning platform was discussed at the project meeting in Dresden in summer 2017.

An internet platform was created and distributed with all partners at the 13<sup>th</sup> of March by UNIROMA1. The e-learning platform moved in 2018 to the IT infrastructure of the GJU and will be maintain by GJU after the end of the project. Find more information here:

<http://www.desire-elearning.gju.edu.jo/?lang=en>

The Figure below provides an overview about the E-Learning platform according to countable indicators as number of administrators, users etc.

The deliverables are (see also Appendix A):

- REPORT Technical report
- REPORT E-Learning Portal Report – March 2019



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DESIRE E-Learning Platform Report

E-Learning Platform REPORT

COVERAGE DATES

THROUGH

Until March 2019

DESIRE E-Learning Platform

Main Platform

Administrators	Users	Students	Teachers	Countries	Cities	Universities	Courses	Total Files
3	159	83	17	8	23	19	7	113

Development

Host	URL	Platform	Coast	Storage	Max Upload Size
gju.edu.jo	desire-elearning.gju.edu.jo	Moodle	Free Open Source	15 TB	100MB/File

Courses

Chapters/Course	Categories	File Types	Teachers	Students	Languages	Question bank
13/Unlimited	1/Unlimited	pdf, ppt, word, video, image, Audio	5/unlimited	17/Unlimited	2/Unlimited	Multiple, T/F, and many more

General Features

Groups	Languages	Registration & Enrolment	Roles	Auto Grading
Enabled	Eng, Ar, Du, It & Auto detect	Self by email, Manual	Administrator, Manger, Teacher, Student, Guest	Available

Communication Tools

Email	Messages	Chat	Announcements	Forum	Events
One-to-Many	One-to-Many	Mnay-to-Many	One-to-Many	Many-to-Many	One-to-Many

Figure 4: E-Learning Platform Report - March 2019

### **3.4 WP4 Capacity Building**

The aim of this work package is to develop a staff capacity development programme in the field of socio-economic impacts of renewable energy and energy efficiency. The work package is completed.

#### **3.4.1 WP 4.1 Capacity Building Plan**

The capacity plan is delivered and approved. The following deliverables in WP 4.1 are delivered:

- REPORT Capacity Building Plan
- TEMPLATE Syllabus
- MoM Skype Conference on Capacity Building Plan, 01.11.2016

#### **3.4.2 WP 4.2 and WP 4.3 Training Session for teaching staff and Training Session for researchers and students**

The training sessions for teaching took place in 2017.

- 13<sup>th</sup> to 17<sup>th</sup> of February 2017 and 28<sup>th</sup> of February to 3<sup>rd</sup> of March 2017 in Cyprus
- 3<sup>rd</sup> to 6<sup>th</sup> of July 2017 in Wuppertal
- 10<sup>th</sup> to 14<sup>th</sup> of July 2017 in Rom
- 7<sup>th</sup> to 21<sup>st</sup> of July 2017 in Dresden

It should be mentioned, that in cause of illness and financial problems, no participants from Aswan University were able to participate on the teaching courses.

The training sessions for researchers and students took place in 2017 in parallel to the training session for teaching.

- 13<sup>th</sup> to 21<sup>st</sup> of February 2017 and 28<sup>th</sup> of February to 10<sup>th</sup> of March 2017 in Cyprus
- 3<sup>rd</sup> to 14<sup>th</sup> of July 2017 in Wuppertal
- 10<sup>th</sup> to 20<sup>th</sup> of July in Rom
- 17<sup>th</sup> to 28<sup>th</sup> of July in Dresden

The following deliverables in WP 4.2 and WP 4.3 are delivered:

- AGENDAS
- ATTENDANCE SHEETS
- COPY OF CERTIFICATS
- REPORTS
- TRAINING MATERIALS

#### **3.4.3 WP 4.4 Academic workshops for transferring know-how and skills**

The workshop dates are finalized and the workshops will take place in 2018 in Amman, Rome and Dresden. Furthermore, additional workshops took place in Jordan. Finally, virtual workshops were established with partners form Syria and Egypt.

The work package leader developed criterias for selection participants of the trainings. The deliverables are:

## **DESIRE – Development of higher Education teaching modules on the Socio-economic Impacts of the Renewable Energy implementation**

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- SELECTION CRITERIA staff
- SELECTION CRITERIA student
- AGENDA
- REPORTS

### **3.5 WP5 Project Implementation**

The objective of this work package is to implement the prepared teaching and training modules as well as to upload and disseminate the online teaching modules amongst the target groups.

#### **3.5.1 WP 5.1 Implementation plan and strategy**

The strategy was presented during the project biannual meeting in Dresden 31.07 to 02.08.2017. A process map was developed to show the implementation strategy. The implementation plan and strategy report was developed and distributed among partners to collect feedback for improvement. Feedback was received from several partners and was updated per their comments. Additionally, commitment letters of partner universities in Jordan, Syria and Palestine were collected. Approved deliverables:

- REPORT Implementation Plan and Strategy
- Process Map
- Partners-Commitment letters (5)

#### **3.5.2 WP 5.2 Pilot implementation of DESIRE courses (selection of courses)**

The pilot implementation of the basic module has started at the University of Jordan in Renewable Energy Master Programme. The pilot implementation is being conducted by Ahmad Al-Salaymeh (UoJ) in cooperation with Louy Qoaider (GJU) and Thomas Fink (WI).

The pilot course consists of 11 Master students. The implemented DESIRE teaching module includes lectures on socioeconomics as well as a research methodologies and a research project on one of the major aspects of socio-economics of renewable energy and energy efficiency.

The basic module was also integrated in and course at the University of Aswan.

Deliverables are:

- Questionnaire of Basic Module (28 record, AU)
- Updated Lecture of Basis Module

#### **3.5.3 WP 5.3 Implementation (teaching) of DESIRE courses**

In the first project year the teaching courses were under development. An implementation progress report was created on 17<sup>th</sup> of March 2018 by GJU.

Deliverables are:

- Pilot implementation report

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### **3.6 WP6 Sustainability Plan**

The aims of the work package are to ensure sustainability of the project achievements after its conclusion and to ensure the impact of the project results methods and the added good practice on policies and practices.

The Aswan University (AU) is leader of this work package and is supported by TUD, UJ and TU. The plan is structured in twelve chapters. The main chapters cover the following topics:

- Objectives, management and methodology (Chapter 1-4)
- Planned tasks, esp. development of the sustainability plan, review the plan and of existing teaching programs, and sustainable actions (Chapter 5)
- Impact measurement and sustained results (Chapter 6-7)
- Current and new funding (Chapter 8-9)
- Target groups, project partners and time frame (Chapter 10-12)

A first version was available in May 2017 and a revised version was available by the end of May 2017. The 2<sup>nd</sup> version was also technically checked on the 31<sup>st</sup> of July 2017 by the external evaluator Christina Mante. The 3<sup>rd</sup> version was available on the 20<sup>th</sup> of October 2017 and checked on the 8<sup>th</sup> of November 2017 by TU. Now, the 4<sup>th</sup> version is currently under review.

The project teams thanks the helpful comments of the external evaluator as well as the monitoring visits in Aswan that provide very good advice for this project deliverable.

Deliverable:

- REPORT Sustainability Plan

### **3.7 WP7 Project Management and Coordination**

The project is managed in such a way as to promote a sense of ownership and motivation for each of the partners. The GJU is the project manager (PM) and responsible for the overall operation of the project and its smooth running.

This work package had two months delay in the kick off meeting and assigning the different committees. The delays have been made up during the first project year. This objective was achieved.

#### **3.7.1 WP 7.1 Kick-Off meeting and general biannual meetings**

The kick-off meeting was held at the GJU during the period of 5-7 January 2016 to introduce DESIRE's aims and purposes to the representative of each partner. The meeting also covered DESIRE work plan, work packages, deliverables and budget. The second general project meeting took place in Wuppertal in July, 2016.

In this reporting period, two project meetings took place, in Aswan and in Dresden.

The Third general Project and Steering Committee Meetings were held in Aswan University in February 2017, and the tasks allocated for each partner were discussed along with their objectives, durations and deadlines.

The fourth general Project and Steering Committee Meetings were held at the Technical University of Dresden in July / August 2017, and the tasks allocated for each partner were discussed along with their objectives, durations and deadlines. The outlines of the advanced modules were presented by the different institutions and agreed upon.

Deliverables for this task are:

- MoM 3<sup>rd</sup> project meeting in Aswan
- MoM 4<sup>th</sup> project meeting in Dresden

#### **3.7.2 WP 7.2 Steering Committee**

The Steering Committee was assigned during kick-off meeting, composed by one representative for each partner and chaired by the project coordinator. A meeting was held in parallel with the kick off meeting in January 2016 to set the project's regulations and coordinate the project.

List of members of the STC

<b>Name</b>	<b>Institution</b>
Ala'aldeen Al-Halhouli (member since 04/2018)	GJU
Louy Qoaider (member until 04/2018)	

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Ahmed Al-Salaymeh	UJ
George Konstantinou (member since 04/2018) Anastassious Charalambos (member until 04/2018)	UCY
Salma AbdelHady	AU
Katiuscia Cipri	UNIROMA1
Manfred Fishedick	WI
Dominik Möst	TUD
Awos Assalaman	DU
Moussa Al-Samara	TU

Table 4: List of Steering Committee Members

### **3.7.3 WP 7.3 Scientific and Technical Committee**

A Scientific and Technical Committee (STeC) was formed during the kick-off meeting to guarantee quality and competencies in the training contents. A second meeting was held in July 2016 in parallel with the Steering committee meeting to discuss the results of the surveys, quality plan and capacity building plans.

The STeC worked closely with the Quality committee to prepare, review and approve all project documents.

Name	Institution
Alaaldeen Al-Halhouli	GJU
Ahmed Al-Salaymeh	UJ
George Konstantinou (member since 04/2018) George Makrides (member until 04/2018)	UCY

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Adel Khalil	FECU
Walid AbdelFadil	AU
Gabriella Calderari (member since 04/2018) Paolo Venturini (member until 04/2018)	UNIROMA1
Thomas Fink (member until 10/2018) Sarrah Amroune (member since 10/2018 until 01/2019) Julia Terrapon-Pfaff (member since 01/2019)	WI
Dominik Möst	TUD
Amal Dayoub (member since 04/2018) Ali Zidan (member until 04/2018)	TU

Table 5: List of Scientific and Technical Committee Members

### **3.7.4 WP 7.4 Administrative and Financial Management**

The management of the overall administrative and financial aspects of the project were carried by GJU. Several meetings were held to explain the guidelines and the procedures to the partner. At the project meeting in Aswan, the management portal was introduced. All partners can provide their administrative information by this tool to the project coordinator.

There was a delay in the second pre-financing caused by administrative problems, i.e. not provided documents in time. This delay has caused postponed project activities, i.e. teaching workshops and STC meetings.

As a result, the project team applied for a cost neutral project extension. We thank the project officer for extending the project until 14<sup>th</sup> of April that enables a successful finish of all project activities.

Regarding financial management, the financial statement and the supporting documents for the last period until 31.03.2019 were submitted by the partners to GJU. Auditing on the financial statement and supporting documents is taking place.



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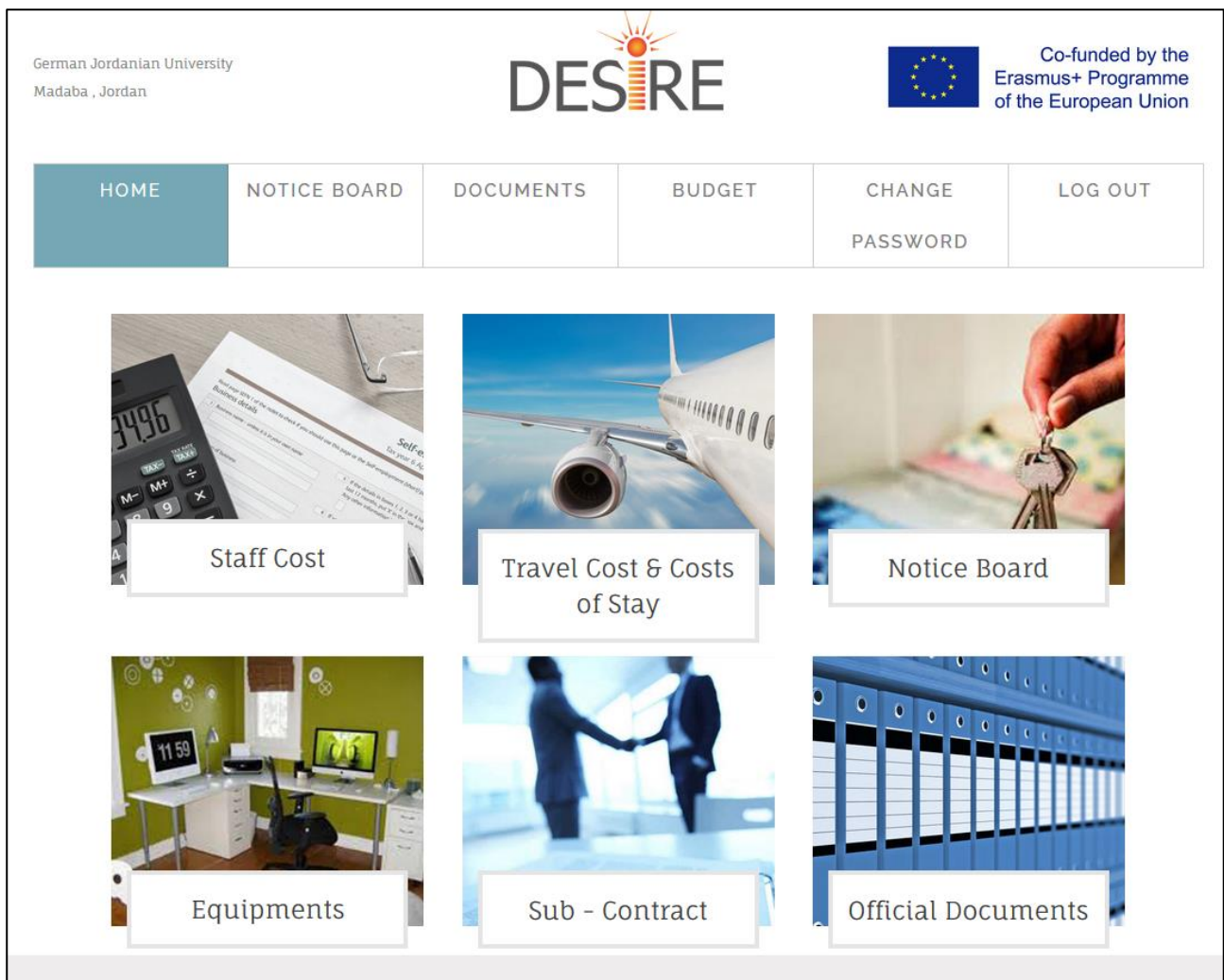


Figure 5: DESIRE project management portal

### Intermediate report

The Intermediate report was submitted to EACEA on the 25<sup>th</sup> of May 2017. Financial statements were obtained from all partners. Assessment of the intermediate report was received from EACEA with GOOD grade. The results were discussed at the project meeting in Dresden, August 2017.

Deliverables of WP 7.4 are:

- REPORT Financial Management (not an official deliverable)

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### 3.8 WP8 Quality Plan

This work package aims to guarantee and control the quality of the DESIRE project as well as monitoring major activities and results of the project. The work package is still in progress.

#### 3.8.1 WP 8.1 Quality committee

The Quality Committee was announced at the kick-off meeting Amman, Jordan 5<sup>th</sup> to 7<sup>th</sup> of January 2016. The current members of the quality committee are listed in table below.

Name	Institution
Ala'aldeen Al-Halhouli (member since 04/2018) Louy Qoaider (member until 04/2018)	GJU
Mohammad Hamdan	UJ
Mohamad Shaban	AU
Dominik Möst	TUD
Philipp Hauser	TUD
Boushra Neameh (member since 04/2018) Laila Altaweel (member until 04/2018)	TU
Bassam Hassan	TU

Table 6: List of Quality Committee Members

#### 3.8.2 WP 8.2 Monitoring and Quality Assurance Plan

The Monitoring and Quality Assurance Plan ensures the quality standards during the project. The quality process of project deliverables is shown in Figure below. The process is structured in three steps.

##### 1. Submission of project product

The WP leader send (revised) draft of protocol, report etc. by e-mail to the Quality Committee (QC)

##### 2. Two-step Quality Process Quality

The Committee proves the submitted document. Following questions are relevant: Are all formal requirements fulfilled? Is a technical review needed? If yes, are all technical requirements are fulfilled? It should be note that if a revisions is needed, a new version of the document has to be create. For example a document with the name *example\_v01* needs to be updated to *example\_v02*.

##### 3. Distribution of the approved document

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

After the check of QC and STeC the document will be distributed to all relevant DESIRE project partners.

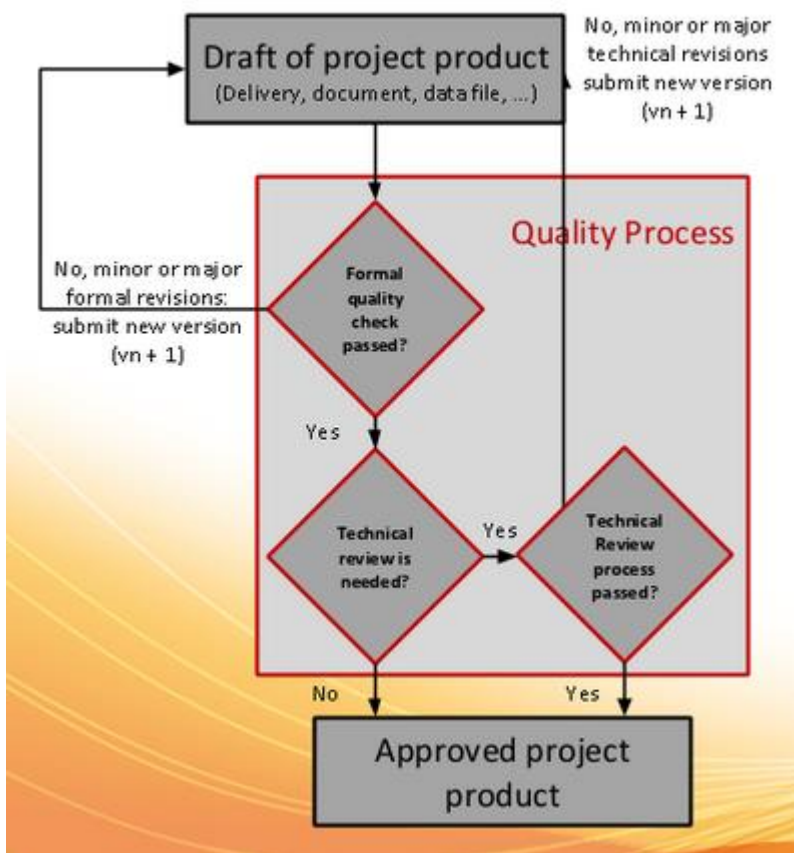


Figure 6: Quality and Assurance Schedule

The Monitoring and Quality Assurance Plan was updated after including the received feedback of project partners. The Deliverables for this task are:

- REPORT Quality and Assurance Plan

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### **3.8.3 WP 8.3 Monitoring and Evaluation Report**

To ensure the quality of the deliverables, the project has both, an internal and external Monitoring and Evaluation report.

#### **Internal monitoring and evaluation**

There are three internal monitoring and evaluation reports and each covers one project year. The first evaluation report was submitted in January 2017 and approved in May 2017. It covers the period October 2015 to October 2016. This report is the second internal monitoring and evaluation report, submitted in January 2018. Deliverables are:

- REPORT Monitoring and Evaluation Report (2016-2017)
- REPORT Monitoring and Evaluation Report (2017-2018)

#### **External monitoring and evaluation**

The external evaluation report is prepared by an external evaluator, Christina Mante. There will be two reports, one after the half of the project and the second at the end of project. Christina Mante provided an external evaluation plan that explains the scope of evaluation as well as methodology. Additionally, she provided templates in order to evaluate trainings workshops and ToT workshops.

The interim report was submitted in July 2017 instead of April 2017. This little delay is caused by late delivery of needed deliverables.

To get an idea of the project and work of the project team, the external evaluator Christina Mante participated at the 3<sup>rd</sup> project meeting in Aswan in February 2017 as well as at the 4<sup>th</sup> project meeting in Dresden in July/ August 2017.

The final external monitoring report was submitted in November 2018.

Deliverables for this task are:

- REPORT Monitoring and Evaluation Report 2016 -2017
- REPORT Interim external evaluation report DESIRE
- REPORT Monitoring and Evaluation Report 2017-2018
- REPORT Final external evaluation report
- REPORT Monitoring and Evaluation Report 2018-2019

### **3.9 WP9 Dissemination and Promotion**

The objective of this work package is to disseminate the new courses to relevant stakeholders and students in both regions MENA and EU. The actual work package leader is Cairo University (CU). As the participation of CU in the project is frozen, GJU undertake the tasks of this work package.

#### **3.9.1 WP 9.1 Dissemination Committee**

The Dissemination Committee (DC) was announced at the first project meeting in Amman, Jordan, in January 2016. The members are listed in the table below:

Name	Institution
Louy Qoaider	GJU
<i>Adel Khalil</i>	<i>CU</i>
Adib Allahham	DU
Thomas Fink (member until 10/2018) Sarrah Amroune (member since 10/2018 until 01/2019) Julia Terrapon-Pfaff (member since 01/2019)	WI
Charalambo Anastassius	UCY

Table 7: List of Dissemination Committee Members

#### **3.9.2 WP 9.2 Development of Dissemination Plan**

The dissemination material has been developed and printed including flyer, folder, notepad, letterhead, newsletter and DESIRE label ball point pens with participation of CU, GJU and TUD. Furthermore, the dissemination workshop at Aswan University was prepared, holding from 7<sup>th</sup> to 8<sup>th</sup> of February 2017. E-learning modules are still under development (UNIROMA1). At the Erasmus+ forum at CU on 7<sup>th</sup> to 8<sup>th</sup> November, the DESIRE project was presented and displayed. Additionally, there was a Erasmus+ Monitoring visit on 9 November 2016 (CU).

Concerning the dissemination plan, there was a delay of about 4 months due to shift of project kick-off to January 2016 as well as a delay in money transfer until May 2016. The dissemination plan is finished now. Deliverables for this tasks are:

- REPORT Dissemination plan

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### 3.9.3 WP 9.3 DESIRE Web-site and additional communication channels

The web site is developed and maintained by GJU: <http://desire.gju.edu.io/>.

Additionally, further social media channels were activated:

- Facebook (group) <https://www.facebook.com/groups/DESIREGJU/>
- Facebook (page) <https://www.facebook.com/desiregju/>
- Twitter <https://twitter.com/desiregju>
- Youtube-channel <https://www.youtube.com/channel/UCKoKMYN7adSytxltHtMAjw>
- LinkedIn (group) <https://www.linkedin.com/groups/7067331>
- LinkedIn (profile) <https://www.linkedin.com/in/desiregju/>
- Google+ <https://plus.google.com/107412396165106692369>

The performance of the social media activities is shown in the Figure below:

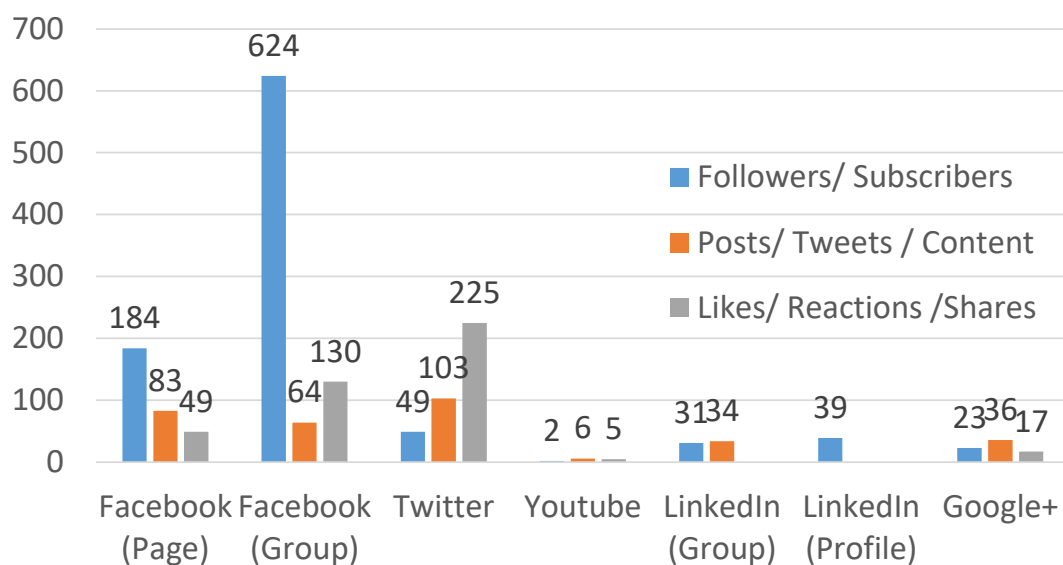


Figure 7: Social Media activity – November 2017

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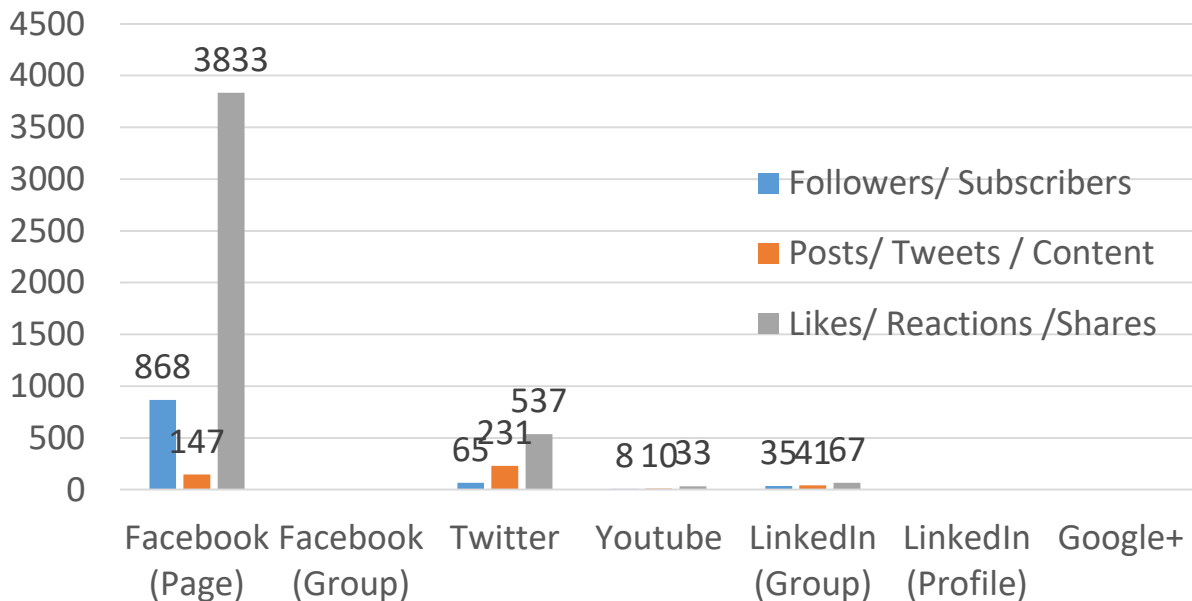


Figure 8: Social Media activity – March 2019

The development on usage of social media shows that the project concentrates on Facebook page, Twitter, YouTube and LinkedIn Group as these channels show best feedback of the relevant peer groups. Furthermore, the DESIRE website is mainly used to disseminate project results.

Additionally a regular, half a year, newsletter with up to today 5 issues was created.

Deliverables for this tasks are:

- REPORT Social Media report
- WEBSITE
- Social Media Accounts
- NEWSLETTER

### 3.9.4 WP 9.4 Socio-economics impact on RE Workshop

The workshop was hold in February 2017 in Aswan. There was a television report in the local TV station, which is available at the DESIRE youtube channel. Another dissemination workshop was

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held in Amman in May 2017 to highlight the importance of the studying the socioeconomic impacts of renewable energies, The deliverables are described in:

- MoM project meeting in Aswan, February 2017
- Agenda, Registration form, presentations for the dissemination event in Aswan, February 2017
- Agenda, Registration form, presentations for the dissemination event in Amman, May 2017

Further dissemination events took place in the extended period of the project, as can be seen in the table below:

<b>Partner</b>	<b>Date</b>	<b>activity</b>
TU	11.11.2018	Workshop in "Sustainable Energy System Transformation", Aswan Engineers Syndicate
DU	23.12.2018	Dissemination workshop
GJU & UoJ	Nov. 2018	Dissemination workshop
AU	Nov. 2018	Workshop on DESIRE Courses
	Feb. 2019	Seminar Activities for students
	Mar. 2019	Modules Quality Assessment
GJU	12.March .2019	Know how transfer workshop
	14.March .2019	e-learning platform workshop
	28th & 30th March, 2019	DESIRE Workshop on Socio-Economic Impact of Renewable Energies

Table 8: Dissemination activities during the extended lifetime of the DESIRE project

### **3.9.5 WP 9.5 Final Dissemination Seminar**

The final dissemination workshop was hold in Madaba at the GJU in March 2019. All project partners as well as relevant stakeholder participated in the workshop and got an overview about the project



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activities. Keynote talks highlighted the importance of the project topic. Additionally, all project partners contributed with scientific talks to the conference.

The deliverables are described in

- MINUTES OF MEETING
- AGENDA
- EVALUATION QUESTIONNAIR

## **4 Conclusion and outlook for the second project year**

The DESIRE project follows the proposed schedule of the proposal during the project life time from October 2015 to April 2019. Among several project meetings in MEAN and European countries, many activities were prepared and realised. Additionally, relationships among all institutes were intensified.

Until now, all work packages are finished.

In the next phase of the DESIRE project (after the official end) will be the sustainable use of the developed modules, to maintain the e-learning platform and the DESIRE network in order to strength the cooperation among European and MENA universities.

The project team thanks the Erasmus+ program and the European Commission to enable the success of the DESIRE project.

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## **List of Appendix**

Appendix A:	List of Project Deliverables
Appendix B.1:	Project Progress Tables of Project Partners 15.10.2017 – 31.07.2018
Appendix B.2:	Project Progress Tables of Project Partners 01.08.2018 – 28.02.2019

## Appendix A: List of Project Deliverables

This section provides reports, minuets and outcomes of the first and second project year. All deliverables produced in the third project year are highlighted in yellow.

WP	Name	Form	Author	Date
<b>Deliverables in WP 1</b>				
WP 1	REPORT Methodological Implementation of Socio-Economic Impact on RE	Report (PDF)	Katiuscia Cipri (UNIROMA1)	05.12.2017
WP 1	REPORT on the Survey on socio-economic aspects in REEE programmes (Stakeholder)	Report (PDF)	Katiuscia Cipri (UNIROMA1)	14.07.2016
WP 1	Workshop on socio-economic impact of REEE <i>(see MoM of project meeting in Wuppertal)</i>	Event		14.07.2016
WP 1	REPORT on the Survey on socio-economic aspects in REEE programmes (University)	Report (PDF)	Katiuscia Cipri (UNIROMA1)	02.11.2016
WP1	REPORT on the Survey on socio-economic aspects in REEE programmes (Beneficiary Universities)	Report (PDF)	Katiuscia Cipri (UNIROMA1)	26.05.2017
<b>Deliverables in WP 2</b>				
WP 2	DESIRE Network Registration form	Word-Document	Ahmed Al-Salaymeh (UJ)	03.08.2016
WP 2	DESIRE Network Invitation letter	Word-Document	Ahmed Al-Salaymeh (UJ)	03.08.2016
WP 2	REPORT DESIRE Networking Report (updated Version)	PDF Document	Ahmed Al-Salaymeh (UJ)	18.10.2018

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WP	Name	Form	Author	Date
<b>Deliverables in WP 3</b>				
WP 3	Basic Module	Power Point Presentation	Thomas Fink (WI)	02.01.2017
WP 3	Guideline Module Elaboration	Power Point Presentation	Thomas Fink (WI)	23.02.2017
WP 3	MODULE Climate effects, Environmental Management and Sustainable Development	Power Point Presentation	Moussa Al-Samara (TU) and Katuscia Cipri (UNIROMA1)	02.01.2018
WP 3	MODULE Economics of RES	Power Point Presentation	Farah Dawoud (UJ), Ahmed Al-Salaymeh (UJ) and Philipp Hauser (TUD)	02.01.2018
WP 3	MODULE Health, Well-being and Environmental Quality	Power Point Presentation	Moussa Al-Samara (TU) and Katuscia Cipri (UNIROMA1)	02.01.2018
WP 3	MODULE Integration and System Aspects of RES	Power Point Presentation	Salama Abdel-Hady (AU) and Philipp Hauser (TUD)	02.01.2018
WP 3	MODULE Technological Innovation of RES	Power Point Presentation	Waseem Saeed (DU) and George Constantinou (UCY)	02.01.2018

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WP	Name	Form	Author	Date
WP 3	MODULE Job effects of RES	Power Point Presentation	Nouf Alheyari (GJU), Louy Qoaidar (GJU) and George Constantinou (UCY)	02.01.2018
WP 3	REPORT Technical report DESIRE Elearning Plattform	PDF	Mai Al-Zu'bi (GJU)	12.07.2018
WP 3	REPORT E-Learnin Portal Report	EXCEL	Mai Al-Zu'bi (GJU)	09.04.2019
<b>Deliverables in WP 4</b>				
WP 4	Capacity Building Plan (updated Version)	Report (PDF)	George Constantinou (CYU)	28.02.2019
WP 4	TEMPLATE Syllabus	Word Document	George Constantinou (CYU)	02.01.2018
Training Session in Cyprus				
WP 4	AGENDA Training Ses. 1 (UCY)	PDF Document	George Constantinou (CYU)	10.02.2018
WP 4	AGENDA Training Ses. 2 (UCY)	PDF Document	George Constantinou (CYU)	05.04.2018
WP 4	ATTENDANCE of Cyprus course (13.02.-17.02., UCY)	PDF Document	George Constantinou (CYU)	10.10.2017
WP 4	ATTENDANCE of Cyprus course (27.02.-03.03., UCY)	PDF Document	George Constantinou (CYU)	10.10.2017

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WP	Name	Form	Author	Date
WP 4	ATTENDANCE of Cyprus course (06.03.-10.03., UCY)	JPG Document	George Constantinou (CYU)	23.05.2017
WP 4	CERTIFICATE of attendance (6 certificates, UCY)	Word Document	George Constantinou (CYU)	09.05.2017
WP 4	REPORT Training at UCY	Word Document	Khalil, Hossam, Abdulla, Aburish (CU)	01.03.2017
WP 4	REPORT Training at UCY	PDF Document	Mohamug, Hammoud, Skba (TU)	26.03.2017
WP 4	REPORT Training at UCY (students)	PDF Document	Mannaa, Mahmoud (students)	26.03.2017
WP 4	REPORT Training at UCY (students)	PDF Document	AlMidani, Saeed (students, DU)	26.03.2017
WP 4	TRAINING MATERIAL First section 16 lectures (UCY)	PPT Presentation	George Constantinou (CYU)	22.02.2017
WP 4	TRAINING MATERIAL Second section 7 lectures (UCY)	PPT Presentation	George Constantinou (CYU)	22.02.2017
WP 4	TRAINING MATERIAL Laboratory Session, 7 lectures (UCY)	PDF Document	George Constantinou (CYU)	22.02.2017
Training Session in Wuppertal				
WP 4	AGENDA Capacity Building Wuppertal Programme (WI)	PDF Document	Thomas Fink (WI)	20.07.2017

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WP	Name	Form	Author	Date
WP 4	TRAINING MATERIAL First week 9 lectures (WI)	PPT Presentation	Thomas Fink (WI)	24.07.2017
WP 4	TRAINING MATERIAL Second week 8 lectures (WI)	PPT Presentation	Thomas Fink (WI)	24.07.2017
WP 4	PRESENTATION of Participations in Wuppertal (2 times, WI)	PPT Presentation	1) Jarrar, Younes, Hammoud, Hassan, Haydar 2) Ayadi, Owhaib, Saadeh, Khashman, Jaber, Dahabi	27.07.2017
WP 4	REPORT of students at the workshop (2 times, WI)	PDF Document	1) Jaber 2) Thahabi	29.08.2017
WP 4	ATTENDANCE of Wuppertal course (03.07.-14.07., WI)	PDF Document	Thomas Fink (WI)	13.07.2017
WP 4	CERTIFICATE of attendance (11 certificates, WI)	PDF Document	Thomas Fink (WI)	18.07.2017
WP 4	QUESTIONNAIRES (WI)	PDF Document	Thomas Fink (WI)	14.07.2017
Training Session in Rome				
WP 4	OUTLINE Capacity Building Rome (UNIROMA1)	PDF Document	Katiuscia Cipri (UNIROMA1)	22.03.2017
WP 4	AGENDA Capacity Building Rome (UNIROMA1)	PDF Document	Katiuscia Cipri (UNIROMA1)	10.06.2017



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WP	Name	Form	Author	Date
WP 4	TRAINING MATERIAL 6 lectures (UNIROMA1)	PPT Presentation	Katiuscia Cipri (UNIROMA1)	25.07.2017
WP 4	ATTENDANCE of Rome course (10.07.-21.07., UNIROMA1)	PDF Document	Katiuscia Cipri (UNIROMA1)	21.07.2017
WP 4	CERTIFICATE of attendance (13 certificates, UNIROMA1)	PDF Document	Katiuscia Cipri (UNIROMA1)	18.07.2017
WP 4	QUESTIONNAIRES (UNIROMA1)	PDF Document	Katiuscia Cipri (UNIROMA1)	14.07.2017
Training Session in Dresden				
WP 4	AGENDA Training in Dresden (TUD)	PDF Document	Philipp Hauser (TUD)	16.07.2017
WP 4	TRAINING MATERIAL first week (TUD)	PPT Presentation	Philipp Hauser (TUD)	25.07.2017
WP 4	TRAINING MATERIAL second week (TUD)	PPT Presentation	Philipp Hauser (TUD)	26.07.2017
WP 4	ATTENDANCE of Dresden course (17.07.-28.07., TUD)	PDF Document	Philipp Hauser (TUD)	02.08.2017
WP 4	CERTIFICATE Supplement	PDF Document	Philipp Hauser (TUD)	09.08.2017
WP 4	CERTIFICATE of attendance (11 certificates, TUD)	PDF Document	Philipp Hauser (TUD)	02.08.2017

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WP	Name	Form	Author	Date
WP 4	QUESTIONNAIRES (TUD)	PDF Document	Philipp Hauser (TUD)	02.08.2017
WP 4	SELECTION CRITERIA staff	Word Document	George Constantinou (CYU)	02.01.2018
WP 4	SELECTION CRITERIA student	Word Document	George Constantinou (CYU)	02.01.2018
<b>Deliverables in WP 5</b>				
WP5	Process Map	PDF Document	Louy Qoaidar (GJU)	11.09.2017
WP5	REPORT Implementation Plan and Strategy	PDF Document	Louy Qoaidar (GJU)	18.10.2017
WP5	Partner Commitment Letters (5)	PDF Document	An-Najah National University, Aswan University, Tishreen University, Damascus University, University of Jordan	02.01.2018
WP5	TEMPLATE evaluation questionnaire students for pilot implementation	Word Document	Louy Qoaidar (GJU)	03.01.2018
WP5	Updated BASIC MODULE	PPT Presentation	Thomas Fink (WI)	03.01.2018
WP5	Questionnaire (56 times, Aswan University)	PDF Document	Salama Abdel-Hady (AU)	04.01.2018
WP5	REPORT Pilot implementation	PDF Document	Ala'aldeen Al-Halhouli	05.05.2018

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WP	Name	Form	Author	Date
<b>Deliverables in WP 6</b>				
WP 6	REPORT Sustainability Plan (Updated Version)	Word Document	Salama Abdel-Hady (AU)	18.05.2018
<b>Deliverables in WP 7</b>				
WP 7	MoM Kick-Off Meeting (Amman)	Report (PDF)	Louy Qoaider and Nouf Alheyari (GJU)	01.02.2016
WP 7	MoM 2 <sup>nd</sup> -Project-Meeting (Wuppertal)	Report (PDF)	Louy Qoaider and Nouf Alheyari (GJU)	01.08.2016
WP 7	MoM 3 <sup>rd</sup> -Project-Meeting (Aswan)	Report (PDF)	Louy Qoaider and Nouf Alheyari (GJU)	23.02.2017
WP 7	MoM 4 <sup>th</sup> -Project-Meeting (Dresden)	Report (PDF)	Louy Qoaider and Nouf Alheyari (GJU)	07.09.2017
WP 7	MoM of virtual meetings	Report (PDF)	Louy Qoaider and Nouf Alheyari (GJU)	20.12.2017
WP 7	REPORT Financial Management	Report (PDF)	Nouf Alheyari (GJU)	12.09.2017
<b>Deliverables in WP 8</b>				
WP 8	Quality Process	Power Point Presentation	Philipp Hauser (TUD)	08.10.2016
WP 8	Evaluation Concept	Word Document	Christina Mante (extern)	28.11.2016
WP 8	REPORT Quality and Assurance Plan	REPORT (PDF)	Philipp Hauser (TUD)	12.01.2017

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WP	Name	Form	Author	Date
WP 8	REPORT Monitoring and Evaluation Report 2016 -2017	REPORT (PDF)	Philipp Hauser (TUD)	26.05.2017
WP 8	TEMPLATE Evaluation questionnaire (Students)	WORD Documents	Christina Mante (extern)	26.05.2017
WP 8	TEMPLATE Evaluation questionnaire (Students)	WORD Documents	Christina Mante (extern)	26.05.2017
WP 8	REPORT Interim external evaluation report DESIRE	REPORT (PDF)	Christina Mante (extern)	03.07.2017
WP 8	REPORT Monitoring and Evaluation Report 2017 -2018	REPORT (PDF)	Philipp Hauser (TUD)	17.05.2018
WP 8	REPORT Final external evaluation report DESIRE	REPORT (PDF)	Christina Mante (extern)	08.11.2018
<b>Deliverables in WP 9</b>				
WP 9	DESIRE Website	Website	Mai AL-Zu'bi (GJU)	14.07.2016
WP 9	DESIRE-Newsletter2016, Vol. 1	PDF Document	Louy Qoaidar (GJU)	24.10.2016
WP 9	DESIRE Dissemination Plan	PDF Document	Adel Khalil (CU)	26.05.2017
WP 9	DESIRE Newsletter 2017, Vol. 2	PDF Document	Louy Qoaidar (GJU)	15.04.2017
WP 9	DESIRE Social Media Report	EXCEL-Report	Mai AL-Zu'bi (GJU)	05.12.2017

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WP	Name	Form	Author	Date
WP9	DESIRE Newsletter 2017, Vol. 3	PDF Document	Mohammad Ayyash	21.02.2018
WP9	DESIRE Newsletter 2018, Vol. 4	PDF Document	Mohammad Ayyash	04.06.2018
WP9	DESIRE Newsletter 2018, Vol. 5	PDF Document	Mohammad Ayyash	31.10.2018
WP 9	DESIRE Social Media Report	EXCEL-Report	Mai AL-Zu'bi (GJU)	09.04.2019

Table 9 Overview of project deliverables that are considered in this report

## Appendix B.1: Project Progress Tables of Project Partners

**16.10.2017 – 31.07.2018**

### P1 German-Jordanian University (GJU)

The German-Jordanian University is leader of WP 5 and WP 7.

WP No. / Name	WP5 Project Implementation
WP Leader	GJU
Reporting period	16.10.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>• Implementation plan and strategy</li> <li>• Pilot implementation of DESIRE courses (selection of courses)</li> <li>• Implementation (teaching) of DESIRE courses</li> <li>• Other project activities</li> </ul>

Table 10: Deliverables GJU in WP 5 Project Implementation

<b>Author:</b>	Ala'aldeen Al-Halhouli, Rama Abu-Alghanam
<b>Current status</b>	<p>The pilot implementation of the basic module was done at the University of Jordan in Renewable Energy Master Programme. The pilot implementation was conducted by Ahmad Al-Salaymeh (UoJ) in cooperation with Louy Qoaider (GJU) and Thomas Fink (WI).</p> <p>The pilot course consists of 11 Master students. The implemented DESIRE teaching module includes lectures on socioeconomics as well as a research methodologies and a research project on one of the major aspects of socio-economics of renewable energy and energy efficiency.</p> <p>Another pilot implementation of the basic module was done at the university of Aswan in Mechanical power Engineering Bachelor Program. The pilot implementation was conducted by Prof. Dr. Salama Abdelhady.</p> <p>The pilot course consists of 27 Bachelor students. The module was integrated in the "Renewable Energy" course. The implemented DESIRE teaching module includes lectures on Energy System Transition Process.</p> <p>An implementation of DESIRE modules took place during the spring semester 2017/2018 as shown in the table below:</p>

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	University	DESIRE Module	Program	Students
	University of Jordan	Economics of RES	Master	9
	Damascus University	Basic Module – Energy Transition & Socio-economics	Master	15
	Tishreen University	Health, well-being and Environmental Quality	Master	11
	Tishreen University	Climate Effects and Environmental Management and Sustainable Development	Master	22
	Tishreen University	Basic Module – Energy Transition & Socio-economics	Master	7
	Aswan University	Basic Module – Energy Transition & Socio-economics	Master	3
	Aswan University	Basic Module – Energy Transition & Socio-economics	Diploma	
	<p>Another implementation of DESIRE advanced modules took place throughout the summer semester 2018 at the university of Jordan for the modules “Climate effects, Environmental Management and Sustainable Development” and “Health, well-being and Environmental Quality”. The implementation consists of 16 Master students in Renewable Energy Master Program.</p> <p>As for associated partners, implementation for the basic module took place at Al Najah University in Palestine for 3 Master students, and at Almustansuriyeh University in Iraq. The implementation consisted of 47 Bachelor students and 3 master students. The implementation was done during the spring semester 2017/2018.</p> <p>The WP leader arranged for the integration of the DESIRE teaching module at several partner universities by collecting commitment letters for such</p>			

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	<p>implementation starting from second/ spring semester 2017/2018. Commitment letters stating approval of the implementation of the advanced modules at hosting departments in partner institutions were received from AU, TU, DU, UoJ and GJU.</p> <p>Four training sessions for researchers were conducted at German Jordanian University in January/2018, University of Cyprus in June/2018, Sapienza University of Rome in July/2018, and Technical University of Dresden in August/2018, where the advanced modules were presented and feedback on the content have been taken and integrated.</p>
<b>Deviation of working or time schedule and technical corrective action</b>	--
<b>Expected bottlenecks</b>	--
<b>Working plan for the next 6 months</b>	<ul style="list-style-type: none"> <li>• Final review of the advanced modules</li> <li>• Evaluation of the courses</li> <li>• Uploading courses to E-learning platform</li> <li>• Implementation of the developed courses</li> </ul>

Table 11: Report on activities GJU in WP5 10.2017-07.2018

<b>WP No. / Name</b>	WP 7 Project Management and Coordination
<b>WP Leader</b>	GJU
<b>Reporting period</b>	16.10.2017 – 31.07.2018
<b>Deliverables</b>	<ul style="list-style-type: none"> <li>• Kick-off meeting</li> <li>• Steering Committee</li> <li>• Scientific and Technical Committee</li> <li>• Administrative and Financial Management</li> </ul>

Table 12: Deliverables GJU in WP 7 - Project Management and Coordination



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<b>Author:</b>	Ala'aldeen Al-Halhouli, Rama Abu-Alghanam
<b>Current status</b>  Progress, results and products, special events	<p>The fifth general Project and Steering Committee Meetings were held at Sapienza University of Rome in 9 &amp; 10 July 2018. Before this meeting, a general Project and Steering Committee meetings were held at the University of Jordan in 4 &amp; 5 April 2018. During those two meetings, rearrangement on the required tasks was done. In addition to a discussion on the project extension, where the partners agreed on extending DESIRE project for extra six months. Also, suggested dates for the sixth general Project and Steering Committee meetings was done (if the project was extended) and for the final general project and Steering Committee meetings and closure event.</p> <p>Since the partners agreed on the project extension, an extension request was sent to the European Commission and the partners are waiting for their decision.</p> <p>Regarding the financial management, the second pre-financing payment was received. The financial statement and the supporting documents for the last period until 31.05.2018 were submitted by the partners to GJU. Auditing on the financial statement and supporting documents is taking place.</p>
<b>Deviation of working or time schedule and technical corrective action</b>	<p>The project team from DU were unable to participate in the regular meeting that was held at Sapienza University of Rome also the project team from AU were unable to participate in the regular meeting that was held at University of Jordan due to delays in applying for the visas. The project teams were informed about the discussions and fed with the meeting's outputs.</p>
<b>Past or expected bottlenecks</b>	<p>The participation of Cairo University in the Project is on hold, and they are considered as a sleeping partner.</p> <p>The delay in transferring the second pre-financing payment affected the progress of the project, so that the fifth general Project and Steering Committee meetings was postponed, and the sixth meeting will be cancelled if the project was not extended for another six months.</p>

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<b>Working plan for the next 6 months</b>	<ul style="list-style-type: none"> <li>• Update the project financial statements based on the partners input and supporting documents until 31.05.2018.</li> <li>• Issuing the received financial statement and supporting documents up to 31.05.2018</li> <li>• Following up with the partners to ensure all work packages are being implemented in harmony to reach the projects objectives,</li> <li>• Arrange for the sixth Project and Steering Committee Meetings at the University of Cyprus if the project has been extended, if not an arrangement for the closure event will be managed.</li> </ul>
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Table 13: Report on activities GJU in WP7 10.2017-7.2018

WP No. / Name	WP9 Dissemination and Promotion
WP Leader	GJU
Reporting period	30.10.2017 – 31.08.2018
Deliverables	<ul style="list-style-type: none"> <li>• Dissemination Committee</li> <li>• Development of Dissemination Plan</li> <li>• DESIRE Web-site</li> <li>• Socio-economics impact on RE Workshop</li> <li>• Final Dissemination Seminar</li> </ul>

Table 14: Deliverables GJU in WP 9 – Dissemination and Promotion

<b>Author:</b>	Ala'aldeen Al-Halhouli, Rama Abu-Alghanam
<b>Current status</b> Progress, results and products, special events	<p>Since Cairo University is unable to participate in DESIRE project, this work package was taken by the German Jordanian University.</p> <p>The dissemination plan was updated on 17.05.2018 and reviewed by the project coordinator Dr. Ala'aldeen Al-Halhouli.</p>

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	<p>The fourth DESIRE newsletter was produced on April 2018 and published on DESIRE web-site.</p> <p>DESIRE web-site is frequently updated with DESIRE activities and workshops. It was decided during the Project and Steering Committee meetings that was hold at the University of Jordan in April 2018 to have an Arabic content of the website.</p> <p>The following dissemination activities were done in the last period:</p> <table><tr><td>Partner</td><td>Date</td><td>activity</td></tr><tr><td>GJU</td><td>09.01.2018</td><td>General dissemination workshop</td></tr><tr><td>UOJ &amp; GJU</td><td>03-04.04.2018</td><td>Dissemination workshop</td></tr><tr><td>GJU</td><td>28.03.2018</td><td>Dissemination workshop during the EU delegation visit</td></tr><tr><td>TU</td><td>05-06.06.2018</td><td>Dissemination workshop</td></tr></table>	Partner	Date	activity	GJU	09.01.2018	General dissemination workshop	UOJ & GJU	03-04.04.2018	Dissemination workshop	GJU	28.03.2018	Dissemination workshop during the EU delegation visit	TU	05-06.06.2018	Dissemination workshop
Partner	Date	activity														
GJU	09.01.2018	General dissemination workshop														
UOJ & GJU	03-04.04.2018	Dissemination workshop														
GJU	28.03.2018	Dissemination workshop during the EU delegation visit														
TU	05-06.06.2018	Dissemination workshop														
Deviation of working or time schedule and technical corrective action	-															
Past or expected bottlenecks	Delay in implemented the planned dissemination workshops is expected at the Syrian partners universities due to the political conditions.															

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<b>Working plan for the next 6 months</b>	<ul style="list-style-type: none"> <li>The fifth newsletter will be produced in October 2018. If the project was extended, a sixth newsletter will be produced.</li> <li>Creating the Arabic content of DESIRE web-site.</li> <li>If the project was extended, the following Planned dissemination workshops for the e-learning platform at the beneficiary partners will take place:</li> </ul>			
	Dissemination on the platform	TU, GJU, UoJ	AU	DU
	The dissemination of the E-Learning platform for the teachers	The first week of Nov. 2018	02.10.2018	12.11.2018
	The dissemination of the E-Learning platform for the students	The first week of Dec. 2018	16.10.2018	26.11.2018
	The dissemination of the E-Learning platform for the stakeholders	The first week of Nov. 2018	13.11.2018	10.12.2018
	<ul style="list-style-type: none"> <li>If the project was extended, the following Planned project general dissemination activities at the beneficiary partners will take place:</li> </ul>			

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Partner	Date	activity
TU	11.11.2018	Workshop in "Sustainable Energy System Transformation", Aswan Engineers Syndicate
DU	23.12.2018	Dissemination workshop
GJU & UoJ	Nov. 2018	Dissemination workshop
AU	Nov. 2018	Workshop on DESIRE Courses
	Feb. 2019	Seminar Activities for students
	Mar. 2019	Modules Quality Assessment

- The suggested dates of the closure event in both cases; without extension and with extension of the project:  
Without extension: 7th-9th October, 2018  
With extension: 1st week of April, 2019

Table 15 Report on activities GJU in WP9 10.2017-7.2018

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### P2 University of Jordan (UJ)

WP No. / Name	WP2 University network in MENA and EU
WP Leader	UJ
Reporting period	15.10.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>DESIRE Network and list of members (Service/Product)</li> </ul>

Table 16: Deliverables UJ in WP 2 University network in MENA and EU

<b>Author:</b>	DESIRE team at the University of Jordan
<b>Current status</b> Progress, results and products, special events	<ul style="list-style-type: none"> <li><b>Status:</b> a Continuous working package during the project's life-time. (15/11/2015-14/10/2018).</li> <li><b>Results achieved till now:</b> <ul style="list-style-type: none"> <li>Database of (85) stakeholders and interested parties from different target groups; Universities, Ministries, NGOs, Companies in the field of RE .</li> <li>A list of Networking Committee members (10 persons).</li> </ul> </li> <li><b>Products:</b> <ul style="list-style-type: none"> <li>DESIRE Formal Invitation E-mail (Annex A).</li> <li>DESIRE Networking Registration Form an google form(Annex B).</li> <li>DESIRE Networking Report, output (2.1)</li> </ul> </li> </ul>
<b>Deviation of working or time schedule and technical corrective action</b>	--
<b>Past or expected bottlenecks</b>	<p>The bottlenecks are mainly related to the low interest and slow response of local and regional stakeholders to participate in the project network and to support its objectives.</p> <p>Slow response from DESIRE partners.</p>

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	<p>Lack of activities implemented to stakeholders.</p> <p>Lack of activities implemented to stakeholders.</p>
<b>Working plan for the next 6 months</b>	<ul style="list-style-type: none"> <li>– Organize at least one colloquia in each partner University to the staff and students with key representatives of the stakeholders to discuss the results achieved to date their potential inputs.</li> <li>– Engage more stakeholders to the network (2 from each partner at least to reach the target which is 100 stakeholders ).</li> <li>– Keep uploading the stakeholder's profiles to the DESIRE website.</li> <li>– Organize campaigns, local workshops and public awareness activities to enhance the understanding of the socio-economic impacts of renewable energy projects (1 each partner) to increase stakeholder involvement in curriculum development processes and the infrastructure developed</li> <li>– Develop training programs for stakeholders on RE and Socio economic impact.</li> <li>– Development activities of academic and Scientific Research to keep up with all updates of the Project in Scientific and Humanities Fields.</li> <li>– Focus on Students and Professors to improve their skills at Scientific Fields.</li> <li>– Create a fruitful relationships between Partners.</li> <li>– Develop the Communication and Research skills between all partners. Each networking committee member will be responsible to follow up periodically and provide UJ with any new stakeholder joined the network or any activity implemented in this concern.</li> </ul>

Table 17 Report on activities UJ in WP2 10.2017-07.2018

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**P3 University of Cyprus (UCY)**

WP No. / Name	WP4 Capacity Building Plan
WP Leader	UCY
Reporting period	26.11.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>• Capacity Building Plan</li> <li>• Training Session for teaching staff</li> <li>• Training Session for researchers and students</li> <li>• Academic workshops for transferring know-how and skills</li> <li>• Other project activities</li> </ul>

Table 18 Deliverables UCY in WP 4 Capacity Building Plan

<b>Author:</b>	George Konstantinou
<b>Current status</b> Progress, results and products, special events	For the WP4: So far, the first 3 Tasks have been finalised. Namely, Task 4.1: Capacity Building Plan, Task 4.2: Training Session for teaching staff, Task 4.3: Training Session for researchers and students. Task 4.4: Academic workshops for transferring know-how and skills is currently pending. Other project activities connected with WP4 are the train of the trainers (ToT) sessions that took place in UCY, Sapienza university of Rome and TUD
<b>Deviation of working or time schedule and technical corrective action</b>	Task 4.4: Academic workshops for transferring know-how and skills is currently deviated from the initial time schedule, due to extension of the DESIRE project. New dates shall be incorporated in the CBP for the finalization of WP4.
<b>Past or expected bottlenecks</b>	None
<b>Working plan for the next 6 months</b>	For the next 6 months, Task 4.4 will be implemented in all MENA universities, namely, 6 workshops oriented on the Socioeconomic aspects



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	of RES (mainly through the developed DESIRE modules, and the socioeconomic knowledge gained by the MENA staff during the training sessions in EU institutions). The workshops shall include one academic staff from each EU institution who will help develop the workshops in MENA countries.
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Table 19 Report on activities UCY in WP4 10.2017-07.2018

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**~~P4~~ Cairo University (CU)**

WP No. / Name	WP9/ Dissemination Plan
WP Leader	CU
Reporting period	26.11.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>• Dissemination Committee (event)</li> <li>• Development of Dissemination Plan (report)</li> <li>• DESIRE Web-site (report)</li> <li>• Socio-economics impact on RE Workshop (event)</li> <li>• Final Dissemination Seminar (event)</li> </ul>

Table 20 Deliverables CU in WP 9 Dissemination Plan

The participation of Cairo University is frozen. All tasks of WP 9 are undertaken by GJU. The progress is reported by GJU.

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### P5 Aswan University (AU)

WP No. / Name	WP6 Sustainability and Exploitation of Results
WP Leader	AU
Reporting period	26.11.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>• Sustainability Plan</li> <li>• Other Activities</li> </ul>

Table 21 Deliverables AU in WP 6 Sustainability and Exploitation of Results

<b>Author:</b>	Salama Abdelhady
<b>Current status</b> Progress, results and products, special events	<ul style="list-style-type: none"> <li>- The draft version of the sustainability plan was available for evaluation on the 15<sup>th</sup> of April 2017, providing a concept on how to sustain the project.</li> <li>- The 1<sup>st</sup> version was available on the 5<sup>th</sup> of May 2017 and checked on the 11<sup>th</sup> of May 2017 by Philipp Hauser.</li> <li>- The 2<sup>nd</sup> version was available on the 20<sup>th</sup> of May 2017 and checked on the 25<sup>th</sup> of May 2017 by Moussa AlSamara.</li> <li>- The 2<sup>nd</sup> version was also technically checked on the 31<sup>st</sup> of July 2017 by Christina Mante.</li> <li>- The 3<sup>rd</sup> version was available on the 20<sup>th</sup> of October 2017 and checked on the 8<sup>th</sup> of November 2017 by Moussa AlSamara.</li> <li>- The 4<sup>th</sup> version was available on the 15<sup>th</sup> of December 2017 and checked on the 10<sup>th</sup> of January 2018 by Louay Qoaidar.</li> <li>- The 5<sup>th</sup> version was available on the 18<sup>th</sup> of January 2018 and checked on the 21<sup>th</sup> of March 2018 by Christina Mante.</li> <li>- The 6<sup>th</sup> version was available on the 26<sup>th</sup> of March 2018 and checked on the 5<sup>th</sup> of April 2018 by Alaaldeen Al-Halhouli.</li> <li>- The 6<sup>th</sup> version was technically checked on the 10<sup>th</sup> of May 2018 by Philipp Hauser.</li> </ul>

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	- The 7 <sup>th</sup> version was available on the 15 <sup>th</sup> of May 2018.
<b>Deviation of working or time schedule and technical corrective action</b>	<ul style="list-style-type: none"> <li>- Developing of the Sustainability plane is scheduled to start on the 15<sup>th</sup> of April 2017. The estimated end date is expected on 15<sup>th</sup> of April 2018.</li> <li>- The 7<sup>th</sup> and final version was available on the 15<sup>th</sup> of May 2018.</li> <li>- Developing of the teaching module 5 in the field of integration and system aspects of RES is scheduled to start on the 15<sup>th</sup> of April 2016. The estimated end date is expected on 15<sup>th</sup> of October 2017.</li> <li>- The final version will be available on 1<sup>st</sup> of September 2018.</li> </ul>
<b>Past or expected bottlenecks</b>	--
<b>Working plan for the next 6 months</b>	- Developing the last version of the teaching module 5 in the field of integration and system aspects of RES.

Table 22 Report on activities AU in WP 10.2017-07.2018

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**P6 Sapienza University of Rome (UNIROMA1)**

WP No. / Name	WP1 Scoping and need analysis
WP Leader	UNIROMA1
Reporting period	26.11.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>• Methodology of Implementation of Socio-economics impact on RE Education (report)</li> <li>• Report on Current Situation and Need of Socio economics impact on RE (report)</li> <li>• Workshop on socio-economic impact of REEE (event)</li> </ul>

Table 23: Deliverables UNIROMA1 in WP 1

<b>Author:</b>	Katiuscia Cipri
<b>Current status</b> Progress, results and products, special events	Task 1.1: Done Task 1.2: Done Task 1.3: Done Task 1.4: Done Task 1.5: Done Del 1.1: Done Del 1.2: Done Del 1.3: Done
<b>Deviation of working or time schedule and technical corrective action</b>	The methodology (DEL1.1) was included in the report on the results of the survey for University and Stakeholders. In date November 28, 2017, the Coordinator asked to provide a separate document. The report was sent on November 29, 2017.
<b>Past or expected bottlenecks</b>	N/A

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<b>Working plan for the next 6 months</b>	The WP1 can be considered concluded.
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Table 24: Report on activities UNIROMA1 in WP1 10.2017-07.2018

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### P7 Wuppertal Institute (WI)

WP No. / Name	WP3 Development of modules, training session and online contents
WP Leader	WI
Reporting period	26.11.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>• Tutorials and teaching materials</li> <li>• Creating an e-learning platform</li> <li>• Other project activities</li> </ul>

Table 25 Deliverables WI in WP 3 Development of modules, training session and online contents

<b>Author:</b>	Thomas Fink
<b>Current status</b> Progress, results and products, special events	<p>In <b>January 2018</b>, an one-week tutorial took place in Amman. The DESIRE Basic module has been presented to representatives from each beneficiary university. Representatives from beneficiary universities have been trained with regard to energy transition theory and energy economics. For that purpose experts from WI and TUD were presented in Amman.</p> <p>In <b>April 2014</b>, the pilot course of the basic module pilot course at UoJ / GJU has been finished. Participating students presented their outcomes / papers at the GCREEDER conference at UoJ to an international audience. Under the participation of WI, the students work has been discussed with experts, and professional feedback was provided.</p> <p>Furthermore, the developed e-learning platform has been presented to beneficiary universities by representative from the University of Sapienza. Representatives from beneficiary universities received training on how to use and apply the e-learning platform, and feedback from beneficiary universities was provided on the platform, which was integrated in the weeks after.</p> <p>From January to July 2018 again a comprehensive feedback process took place between beneficiary universities and partner universities from Europe to prepare and finalize the additional modules (feedback round,</p>

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	<p>quality review, unified DESIRE design). In addition, all partners started to develop handbooks for each module that also has included multi-feedback and quality loops. The final technical review for all prepared materials is scheduled for August 2018.</p> <p>In <b>July 2018</b>, all materials and documents have been uploaded to the finalized DESIRE e-learning platform. These documents includes for each DESIRE module:</p> <ol style="list-style-type: none"> <li>1) Introduction to the module</li> <li>2) Syllabus</li> <li>3) Teaching materials</li> <li>4) Handbook</li> <li>5) Course evaluation document</li> </ol> <p>Representatives from beneficiary universities received a second training with regard to the use and application of the e-learning platform by experts from the University of Sapienza.</p> <p>All partners have delivered the final version of the teaching materials by July 2018. Few partners still work on the finalization of the handbook. A deadline for the submission of all documents has been set for August 2018.</p> <p>In June/July 2018, trainings (ToT) took place at the University of Cyprus and the University of Sapienza on the following modules:</p> <ol style="list-style-type: none"> <li>1) Climate Effects, Environmental Management and Sustainable Development</li> <li>2) Health, Well-being and Environmental Quality</li> <li>3) Job Creation in the Field of Renewable Energy and Energy Efficiency</li> <li>4) Technological Innovation of RES</li> </ol> <p>The ToT at TU Dresden on:</p> <ol style="list-style-type: none"> <li>5) Economics of Renewable Energy Systems</li> <li>6) Integration and System Aspects of Renewable Energy Sources</li> </ol> <p>will take place in August 2018. At all ToT representatives from each beneficiary universities which wants to teach the module took part. Each</p>
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	ToT trained the participants on how to use the teaching modules, and provided opportunities for expert discussions.
<b>Deviation of working or time schedule and technical corrective action</b>	The preparation of the teaching modules is delayed, due to the extension of the deadline for submission. This is justified with additional feedback rounds to improve the content of the teaching materials and to improve quality. In addition, further supportive documents have been prepared as agreement at partner meetings before, to provide additional knowledge and support for each module after the project duration (handbooks).
<b>Past or expected bottlenecks</b>	The finalization of WP3 is scheduled for August 2018. This includes the technical review.
<b>Working plan for the next 6 months</b>	No further activities for WP3 scheduled after August 2018.

Table 26 Short report WI 10.2017-07.2018

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**P8 Technische Universität Dresden (TUD)**

WP No. / Name	WP8 Monitoring and Evaluation
WP Leader	TUD
Reporting period	16.10.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>• Quality committee</li> <li>• Monitoring and Quality Assurance Plan</li> <li>• Monitoring and Evaluation Report (2016)</li> <li>• Monitoring and Evaluation Report (2017)</li> <li>• Monitoring and Evaluation Report (2018)</li> <li>• External Evaluation Report (2017)</li> <li>• External Evaluation Report (2018)</li> </ul>

Table 27: Deliverables TUD in WP 8 Monitoring and Evaluation

<b>Author:</b>	Philipp Hauser
<b>Current status</b> Progress, results and products, special events	Monitoring and Quality Assurance Plan <ul style="list-style-type: none"> <li>• the quality and assurance plan was submitted in January 2017 and approved in May 2017</li> </ul> Monitoring and Evaluation Report (2017-18) <ul style="list-style-type: none"> <li>• under preparation</li> <li>• Project progress reports were requested by all partners</li> </ul> External Evaluation <ul style="list-style-type: none"> <li>• The external evaluator submitted a final evaluation report</li> </ul>
<b>Deviation of working or time schedule and technical corrective action</b>	<ul style="list-style-type: none"> <li>• No delays</li> <li>• However, the external evaluator will provide the final report in summer, in order to provide the project team the opportunity to implement suggested hints.</li> </ul>

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<b>Past or expected bottlenecks</b>	No bottlenecks are expected in WP 8
<b>Working plan for the next 6 months</b>	<ul style="list-style-type: none"> <li>• Analysing the project progress reports of all partners</li> <li>• Analysing the feedback of the external evaluator in the final reports</li> <li>• Contribution to work package 4, workshops</li> </ul>

Table 28: Short report TUD 10.2016-07.2017

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### P9 Damascus University (DU)

WP No. / Name	
WP Leader	DU
Reporting period	26.11.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>contribution to work packages</li> </ul>

Table 29 Deliverables DU

<b>Author:</b>	Awos Alsalman
<b>Current status</b> Progress, results and products, special events	<ul style="list-style-type: none"> <li>Participate in the DESIRE basic module training workshop alongside with the steering committee held in German Jordanian University, Amman, Jordan (8/1/2018-12/1/2018).</li> <li>Prepare and conduct a one-day local workshop for explaining the progress of the DESIRE project to the academic staff in the faculty of Mechanical and Electrical Engineering - Damascus University (11/3/2018).</li> <li>Participate in GCREERDER conference held in the University of Jordan, Amman, Jordan (3/4/2018-5/4/2018).</li> <li>Participate in the ToT workshop held in the University of Cyprus (27/07/2017-29/07/2017).</li> <li>Participate in the ToT workshop held in the Technical University of Dresden, Germany (1/8/2018-3/08/2018).</li> <li>Finalize the preparation phase for RE module titled technological innovation of RES in cooperation with the University of Cyprus. The module slides, introduction and summary are delivered and uploaded to the electronic portal.</li> <li>Prepare an implementation progress report identifying the implementation status of DESIRE basic module in Damascus University. The report identifies the students registered, the assessment approach, the expecting dates and the main content being delivered.</li> </ul>

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<b>Deviation of working or time schedule and technical corrective action</b>	--
<b>Past or expected bottlenecks</b>	<ul style="list-style-type: none"> <li>The team was not able to attend the last ToT workshop as well as the steering committee held in ROME due to the problem in making a visa appointment in the Italian Embassy.</li> </ul>
<b>Working plan for the next 6 months</b>	--

Table 30 Report on activities of DU 10.2017-07.2018

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### P10 Tishreen University (TU)

WP No. / Name	
WP Leader	TU
Reporting period	26.11.2017 – 31.07.2018
Deliverables	<ul style="list-style-type: none"> <li>contribution to work packages</li> </ul>

Table 31 Deliverables TU

#### Table 2 Short Report

<b>Author:</b>	Tishreen University team
<b>Current status</b> Progress, results and products, special events	<p><b>1. Progress:</b></p> <ul style="list-style-type: none"> <li><b>Teaching Courses of DESIRE:</b> Tishreen University prepared topic1 "Health, well-being, and environmental quality", and prepared topic2 "Climate Effects, Environmental Management and Sustainable Development".</li> <li><b>Capacity Building:</b> <ol style="list-style-type: none"> <li>Tishreen University had participated in the DESIRE dissemination and Train of trainer workshop TOT in the German Jordanian University during 9-11/January in the year of 2018 (3 professors, an engineer and a team staff) about Energy and Socio Economic impacts of Renewable energy system with policies and measuring benefits methodologies and analysis</li> <li>Tishreen University had participated in the train of trainer TOT workshop in Cyprus (one professor and an engineer) during 27-29/6 in the year of 2018 about " Technological Innovations for Renewable Energy Systems" and " Creating Jobs in Renewable Energy and Energy Efficiency".</li> <li>Tishreen University had participated in the in the train of trainer workshop TOT in Sapinza University (4 professors) during 9-13/7 in the year of 2018 about " Health, well-being, and environmental quality " and " Climate Effects, Environmental Management and Sustainable Development "</li> </ol> </li> </ul>

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	<p>4. Tishreen University did not participate in the in the train of trainer workshop TOT in Dresden during the period 1-3/8/2018 due to a health issue of some candidates or visa issues.</p> <p><b>2. Special events:</b></p> <ul style="list-style-type: none"> <li>• <b>Tishreen University</b> team <b>participated</b> in The 6<sup>th</sup> Global Conference on Renewable and Energy Efficiency for Desert Regions (GCREEDER2018) in Amman, Jordan.</li> </ul> <p>TU participated with nine researches, which they are:</p> <ul style="list-style-type: none"> <li>- Design and implementation of a three-phase sine wave converter using SPWM, with a solar charger based on MPPT</li> <li>- Study for supplying literature faculty in Tishreen university by photovoltaic energy</li> <li>- Design and construction of biogas unit and operating it to utilize the produced gas to generate electrical power to cover the needs of a Fedeo cow farm at Latakia city.</li> <li>- The introduction of renewable energy criteria for construction method selection in concrete buildings commensurate with the requirements of reconstruction in Syria</li> <li>- Optimal energy management for an isolated microgrid using an advanced dynamic programming</li> <li>- Utilization of secondary agricultural products produced by olive presses (peat water, pyrene) As a renewable energy source</li> <li>- The reality of wastewater treatment and its use for agricultural purposes in Syria</li> <li>- The impact of the current crisis on agriculture and food security in Syria</li> <li>- Production of organic fertilizer and energy from sewage sludge from the treatment plant in Salameh-Hama-Syria</li> </ul> <ul style="list-style-type: none"> <li>• <b>Tishreen University- organized</b> a scientific conference in the Day of the International Environment under the theme of "Overcoming Plastic Pollution "from 5 to 6 June 2018 in Tishreen University.</li> </ul> <p>Conference Topics:</p> <ol style="list-style-type: none"> <li>a. Fossil fuel (production, transmission, distribution, conservation)</li> <li>b. Renewable energies and their applications</li> <li>c. Environmental researches of postgraduate students at Tishreen University.</li> </ol>
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<p><b>Deviation of working or time schedule and technical corrective action</b></p>	<p>All participants from Syria (Damascus University and Tishreen University) missed to attend Aswan meeting in Egypt during the period 7-9/2/2017 because of not obtaining security approval for entrance Egypt before the date of the meeting, we sent a report about this unfortunate incident to the national coordinator of the project.</p> <p>Participants from Tishreen University couldn't attend the TOT in Dresden during the period during the period 1-3/8/2018 due to a health issue of some candidates or visa issues. It is really hard to get visa appointments in the European embassies in Beirut.</p>
<p><b>Past or expected bottlenecks</b></p>	<p>Financial laws are unfair, for example, problems for obtaining visas and travel-related problems to the place of the meeting due to the current situation in Syria. We have to pass in a second station before reaching the place of the meeting (Damascus - Beirut - point of the meeting)</p> <p>In addition to the high price of flight tickets to the place of training and the low price we receive from the project due to the current laws.</p>
<p><b>Working plan for the next 6 months</b></p>	<p>Continuous cooperation with work package leaders (WP) to accomplish the next tasks especially in teaching modules and dissemination activities of DESIRE project.</p> <p>Following up quality assurance and the good implementation work of the project.</p>

Table 32 Report on activities of TU 10.2017-07.2018



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## **Appendix B.2: Project Progress Tables of Project Partners**

**01.08.2018 – 28.02.2019**

### **P1 German-Jordanian University (GJU)**

The German-Jordanian University is leader of WP 5 and WP 7.

WP No. / Name	WP5 Project Implementation
WP Leader	GJU
Reporting period	31.08.2018 – 31.03.2019
Deliverables	<ul style="list-style-type: none"> <li>• Implementation plan and strategy</li> <li>• Pilot implementation of DESIRE courses .</li> <li>• Implementation (teaching) of DESIRE courses</li> <li>• Other project activities</li> </ul>

Table 33: Deliverables GJU in WP 5 Project Implementation

<b>Author:</b>	Ala'aldeen Al-Halhouli, Hamza Alnawafah
<b>Current status</b> Progress, results and products, special events	<ul style="list-style-type: none"> <li>• The advanced modules were final reviewed</li> <li>• The courses were evaluated</li> <li>• The courses were uploaded to the E-learning platform</li> </ul>
<b>Deviation of working and technical corrective action</b>	-
<b>Past bottlenecks</b>	-
<b>Working plan</b>	<ul style="list-style-type: none"> <li>• Implementation of the developed courses</li> </ul>

Table 34 Report on activities GJU in WP5 8.2018-3.2019

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

WP No. / Name	WP 7 Project Management and Coordination
WP Leader	GJU
Reporting period	31.08.2018 – 31.03.2019
Deliverables	<ul style="list-style-type: none"> <li>• Kick-off meeting</li> <li>• Steering Committee</li> <li>• Scientific and Technical Committee</li> <li>• Administrative and Financial Management</li> </ul>

Table 35: Deliverables GJU in WP 7 - Project Management and Coordination

<b>Author:</b>	Ala'aldeen Al-Halhouli, Hamza Alnawafah
<b>Current status</b> Progress, results and products, special events	<p>The seventh general Project and Steering Committee Meetings were held at German Jordanian University on 12 February 2019. Before this meeting, The general Project and Steering Committee Meetings were held at Cyprus University on 29 January till 01 February 2019. During those two meetings, rearrangement on the required tasks was done in the extension period.</p> <p>Regarding financial management, The financial statement and the supporting documents for the last period until 31.03.2019 were submitted by the partners to GJU. Auditing on the financial statement and supporting documents is taking place.</p>
<b>Deviation of working</b>	-
<b>Past bottlenecks</b>	-
<b>Working plan for the next April .2019</b>	<ul style="list-style-type: none"> <li>• Update the project financial statements based on the partners input and supporting documents until 31.03.2019.</li> <li>• Following up with the partners to ensure all work packages are being implemented in harmony to reach the projects objectives.</li> </ul>

Table 36 Report on activities GJU in WP7 8.2018-3.2019

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WP No. / Name	WP9 Dissemination and Promotion
WP Leader	GJU
Reporting period	31.08.2018 – 31.03.2019
Deliverables	<ul style="list-style-type: none"> <li>• Dissemination Committee</li> <li>• Development of Dissemination Plan</li> <li>• DESIRE Web-site</li> <li>• Socio-economics impact on RE Workshop</li> <li>• Final Dissemination Seminar</li> </ul>

Table 37: Deliverables GJU in WP 9 D

<b>Author:</b>	Ala'aldeen Al-Halhouli, Hamza Alnawafah		
<b>Current status</b> Progress, results and products, special events	The fifth DESIRE newsletter was produced on October 2018 and it published in DESIRE web-site .  DESIRE web-site is frequently updated with DESIRE activities and workshops. And was created the Arabic content of DESIRE web-site .  The following dissemination activities were done in the last period:		
	<b>Partner</b>	<b>Date</b>	<b>activity</b>
	TU	11.11.2018	Workshop in "Sustainable Energy System Transformation", Aswan Engineers Syndicate
	DU	23.12.2018	Dissemination workshop
	GJU & UoJ	Nov. 2018	Dissemination workshop
	AU	Nov. 2018	Workshop on DESIRE Courses
		Feb. 2019	Seminar Activities for students

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		Mar. 2019	Modules Quality Assessment
	GJU	12.March .2019	Know how transfer workshop
		14.March .2019	e-learning platform workshop
		28th & 30th March, 2019	DESIRE Workshop on Socio-Economic Impact of Renewable Energies
<b>Deviation of working or time schedule and technical corrective action</b>			
<b>Past or expected bottlenecks</b>			
<b>Working plan for the next 6 months</b>	The sixth newsletter will be produce in April 2019.		

Table 38 Report on activities GJU in WP9 8.2018-3.2019

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### P2 University of Jordan (UJ)

WP No. / Name	WP2 University network in MENA and EU
WP Leader	UJ
Reporting period	1 <sup>st</sup> .9.2018 – 7 <sup>th</sup> .2.2019
Deliverables	<ul style="list-style-type: none"> <li>DESIRE Network and list of members (Service/Product)</li> </ul>

Table 39: Deliverables UJ in WP 2 University network in MENA and EU

<b>Author:</b>	DESIRE team at the University of Jordan
<b>Current status</b> Progress, results and products, special events	<ul style="list-style-type: none"> <li><b>Status:</b> a Continuous working package during the project's life-time. (15/11/2015-15/4/2019).</li> <li><b>Results achieved till now:</b> <ul style="list-style-type: none"> <li>Database of (101) stakeholders and interested parties from different target groups; Universities, Ministries, NGOs, Companies in the field of RE.</li> <li>A list of Networking Committee members (10 persons).</li> </ul> </li> <li><b>Products:</b> <ul style="list-style-type: none"> <li>DESIRE Formal Invitation E-mail (Annex A).</li> <li>DESIRE Networking Registration Form a google form (Annex B).</li> <li>DESIRE Networking Report, output (2.1)</li> </ul> </li> </ul>
<b>Deviation of working or time schedule and technical corrective action</b>	No deviations were mentioned

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<b>Past or expected bottlenecks</b>	<p>The bottlenecks are mainly related to the low interest and slow response of local and regional stakeholders to participate in the project network and to support its objectives.</p> <ul style="list-style-type: none"> <li>- Lack of activities implemented to stakeholders.</li> <li>- Low response from Some partners</li> </ul>
<b>Working plan for the next 6 months</b>	<ul style="list-style-type: none"> <li>– Organize at least one colloquia in each partner University to the staff and students with key representatives of the stakeholders to discuss the results achieved to date their potential inputs.</li> <li>– Implement Activities for Stakeholders</li> <li>– Keep uploading the stakeholder's profiles to the DESIRE website.</li> <li>– Organize campaigns, local workshops and public awareness activities to enhance the understanding of the socio-economic impacts of renewable energy projects (1 each partner) to increase stakeholder involvement in curriculum development processes and the infrastructure developed</li> <li>– Keep Develop training programs for stakeholders on RE and Socio economic impact.</li> <li>– Development activities of academic and Scientific Research to keep up with all updates of the Project in Scientific and Humanities Fields.</li> <li>– Focus on Students and Professors to improve their skills at Scientific Fields.</li> <li>– Create a fruitful relationships between Partners.</li> <li>– Develop the Communication and Research skills between all partners. Each networking committee member will be responsible to follow up periodically and provide UJ with any new stakeholder joined the network or any activity implemented in this concern.</li> </ul>

Table 40 Report on activities UJ in WP2 8.2018-2.2019

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### P3 University of Cyprus (UCY)

WP No. / Name	WP4 Capacity Building Plan
WP Leader	UCY
Reporting period	01.09.2018 – 07.02.2019
Deliverables	<ul style="list-style-type: none"> <li>• Capacity Building Plan</li> <li>• Training Session for teaching staff</li> <li>• Training Session for researchers and students</li> <li>• Academic workshops for transferring know-how and skills</li> <li>• Other project activities</li> </ul>

Table 41 Deliverables UCY in WP 4 Capacity Building Plan

<b>Author:</b>	George Konstantinou
<b>Current status</b> Progress, results and products, special events	Task 4.1, 4.2, 4.3 completed. Task 4.1, which is the Capacity Building Plan, is being update with the latest info regarding Task4.4: Academic workshops and transfer knowledge (know-how workshops)
<b>Deviation of working or time schedule and technical corrective action</b>	Task 4.4. Academic workshops for transferring know-how knowledge  Corrective actions: 2 virtual workshops per EU partner on transferring knowledge, plus a 1-day workshop (15 <sup>th</sup> March) during the closing DESIRE conference
<b>Past or expected bottlenecks</b>	No bottlenecks observed
<b>Working plan for the next 6 months</b>	Finalize Task 4.4., through a total of 6 virtual academic workshops and 1 face-face interaction during the closing DESIRE conference

Table 42 Report on activities UCY in WP4 09.2018-2.2019

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**~~P4 Cairo University (CU)~~**

WP No. / Name	WP9/ Dissemination Plan
WP Leader	CU
Reporting period	01.09.2018 – 07.02.2019
Deliverables	<ul style="list-style-type: none"> <li>• Dissemination Committee (event)</li> <li>• Development of Dissemination Plan (report)</li> <li>• DESIRE Web-site (report)</li> <li>• Socio-economics impact on RE Workshop (event)</li> <li>• Final Dissemination Seminar (event)</li> </ul>

Table 43 Deliverables CU in WP 9 Dissemination Plan

The participation of Cairo University is frozen. All tasks of WP 9 are undertaken by GJU. The progress is reported by GJU.



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**P5 Aswan University (AU)**

WP No. / Name	WP6 Sustainability and Exploitation of Results
WP Leader	AU
Reporting period	01.09.2018 – 07.02.2019
Deliverables	<ul style="list-style-type: none"> <li>• Sustainability Plan</li> <li>• Other Activities</li> </ul>

Table 44 Deliverables AU in WP 6 Sustainability and Exploitation of Results

➔ No updated report was not submitted

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

### P6 Sapienza University of Rome (UNIROMA1)

WP No. / Name	WP1 Scoping and need analysis
WP Leader	UNIROMA1
Reporting period	01.09.2018 – 07.02.2019
Deliverables	<ul style="list-style-type: none"> <li>• Methodology of Implementation of Socio-economics impact on RE Education (report)</li> <li>• Report on Current Situation and Need of Socio economics impact on RE (report)</li> <li>• Workshop on socio-economic impact of REEE (event)</li> <li>• E-Teaching Module</li> <li>• Other project activities</li> </ul>

Table 45: Deliverables UNIROMA1 in WP 1

<b>Author:</b>	Katiuscia Cipri
<b>Current status</b> Progress, results and products, special events	Task 1.1: Done Task 1.2: Done Task 1.3: Done Task 1.4: Done Task 1.5: Done Del 1.1: Done Del 1.2: Done Del 1.3: Done  Task 3.1-3.2: UNIROMA1, as EU responsible for two modules "Health, Well being and Environmental Quality" and "Climate Effects, Environmental Management and Sustainable Development" in collaboration with the Tishreen University, has carried out the final review of n. 2 ppt presentations and n. 2 Handbooks, sending final technical

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	approval to the coordinator in date January 31 <sup>st</sup> , 2019. All materials have been elaborated in appropriate way and approved.
<b>Deviation of working or time schedule and technical corrective action</b>	The methodology (DEL1.1) was included in the report on the results of the survey for University and Stakeholders. In date November 28, 2017, the Coordinator asked to provide a separate document. The report was sent on November 29, 2017.
<b>Past or expected bottlenecks</b>	N/A
<b>Working plan for the next 6 months</b>	The WP1 can be considered completed.

Table 46: Report on activities UNIROMA1 in WP1 9.2018-02.2019

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### P7 Wuppertal Institute (WI)

WP No. / Name	WP3 Development of modules, training session and online contents
WP Leader	WI
Reporting period	01.09.2018 – 07.02.2019
Deliverables	<ul style="list-style-type: none"> <li>• Tutorials and teaching materials</li> <li>• Creating an e-learning platform</li> <li>• Other project activities</li> </ul>

Table 47 Deliverables WI in WP 3 Development of modules, training session and online contents

<b>Author:</b>	Thomas Fink
<b>Current status</b> Progress, results and products, special events	From September 2018 to January 2019 the feedback from the quality review was incorporated in the documents for the Basic DESIRE module on Energy System Transition Processes. In January 2019, a presentation on the status of WP3 was prepared for the Seventh DESIRE Steering Committee Meeting that took place from 30th January until 1st February at the University of Cyprus in Nicosia, Cyprus. Throughout the reporting period regular exchange took place with the German Jordanian University and the TU Dresden on the project activities and the status of the uploaded content on the DESIRE e-learning platform.
<b>Deviation of working or time schedule and technical corrective action</b>	The learning materials that have been revised after the quality review have not yet been completely uploaded to the DESIRE e-learning platform because the e-learning platform was migrated from the University of Rome to the German Jordanian University. Selected course evaluation documents have also not yet been uploaded.
<b>Past or expected bottlenecks</b>	Timely submission of materials and documents to be uploaded on the DESIRE e-learning platform.
<b>Working plan for the next 6 months</b>	Participation at the final conference in Jordan in March 2019. No further activities for WP3 scheduled after March 2019.

Table 48 Short report WI 10.2016-07.2017

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**P8 Technische Universität Dresden (TUD)**

WP No. / Name	WP8 Monitoring and Evaluation
WP Leader	TUD
Reporting period	01.09.2018 – 07.02.2019
Deliverables	<ul style="list-style-type: none"> <li>• Quality committee ✓</li> <li>• Monitoring and Quality Assurance Plan ✓</li> <li>• Monitoring and Evaluation Report (2016) ✓</li> <li>• Monitoring and Evaluation Report (2017) ✓</li> <li>• Monitoring and Evaluation Report (2018)</li> <li>• External Evaluation Report (2017) ✓</li> <li>• External Evaluation Report (2018) ✓</li> </ul>

Table 49: Deliverables TUD in WP 8 Monitoring and Evaluation

<b>Author:</b>	Philipp Hauser
<b>Current status</b> Progress, results and products, special events	Monitoring and Quality Assurance Plan <ul style="list-style-type: none"> <li>• Already finished</li> </ul> Monitoring and Evaluation Report (2016-2017) <ul style="list-style-type: none"> <li>• The monitoring and evaluation plan was submitted and approved</li> </ul> Monitoring and Evaluation Report (2017-2018) <ul style="list-style-type: none"> <li>• The monitoring and evaluation plan was submitted and approved</li> </ul> Monitoring and Evaluation Report (2018-2019) <ul style="list-style-type: none"> <li>• Project progress reports were requested by all partners</li> <li>• The report will be submitted in March 2019</li> </ul> External Evaluation <ul style="list-style-type: none"> <li>• The external evaluator presented the results of the final report at a bilateral meeting to the project coordinator</li> </ul>

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	<ul style="list-style-type: none"> <li>The external evaluator finished the evaluation process in October 2018, according to the contract</li> </ul>
<b>Deviation of working or time schedule and technical corrective action</b>	<ul style="list-style-type: none"> <li>No deviations</li> </ul>
<b>Past or expected bottlenecks</b>	
<b>Working plan for the next 6 months</b>	<ul style="list-style-type: none"> <li>finishing the final internal monitoring and evaluation plan</li> </ul>

Table 50: Short report TUD 08.2018-02.2019

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**P9 Damascus University (DU)**

WP No. / Name	
WP Leader	DU
Reporting period	01.09.2018 – 07.02.2019
Deliverables	<ul style="list-style-type: none"> <li>• contribution to work packages</li> <li>• Technological innovation of RES slides, handbook and lab materials.</li> <li>• Student's survey for DESIRE basic module implementation in DU</li> </ul>

Table 51 Deliverables DU

<b>Author:</b>	Awos Alsalman
<b>Current status</b> Progress, results and products, special events	<ul style="list-style-type: none"> <li>• Finalize the first implementation of DESIRE basic module in DU. Exams' results are recorded, students' surveys are collected and implementation report are submitted <b>(30/09/2018)</b>.</li> <li>• Update RE module titled technological innovation of RES in cooperation with the University of Cyprus based on the experts' reviews. The updated module slides, introduction, summary and lab materials are delivered <b>(1/12/2018)</b>.</li> <li>• Conduct e-learning platform workshop and dissemination event for students and lecturers in the faculty of Mechanical and Electrical Engineering - Damascus University <b>(10/12/2018)</b>.</li> <li>• Participate in the steering committee meeting and e-learning workshop held in the University of Cyprus <b>(29/01/2019-1/02/2019)</b>.</li> <li>• Prepare an implementation progress report identifying the implementation status of Technological Innovation of RES in Damascus University. The report identifies the students registered, the assessment approach, the expecting dates and the main content being delivered <b>(7/2/2019)</b>.</li> </ul>

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<b>Deviation of working or time schedule and technical corrective action</b>	--
<b>Past or expected bottlenecks</b>	--
<b>Working plan for the next 6 months</b>	--

Table 52 Report on activities of DU 09.2018-02.2019



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### P10 Tishreen University (TU)

WP No. / Name	
WP Leader	TU
Reporting period	01.09.2018 – 07.02.2019
Deliverables	<ul style="list-style-type: none"> <li>contribution to work packages</li> </ul>

Table 53 Deliverables TU

Table 2 Short Report

<b>Author:</b>	T.U team
<b>Current status</b>  Progress, results and products, special events	<p><b>3. Progress:</b> Teaching Courses of DESIRE: Tishreen University prepared topic1 "Health, well-being, and environmental quality", and prepared topic2 "Climate Effects, Environmental Management and Sustainable Development". TU Submitted these courses successfully the dropbox of these courses are: Dropbox Link of Health Well being and Environmental Quality: <a href="https://www.dropbox.com/sh/kyvignq4n9tphav/AAC8PckOx9ieAhnwa2-RVeHra?dl=0">https://www.dropbox.com/sh/kyvignq4n9tphav/AAC8PckOx9ieAhnwa2-RVeHra?dl=0</a></p> <p>Dropbox Link of Climate Effects and Environemntal Management and Sustainable Development: <a href="https://www.dropbox.com/sh/xcnmh2qor7awjxu/AACiKUP3mVg0yAfH7ZwQnWLca?dl=0">https://www.dropbox.com/sh/xcnmh2qor7awjxu/AACiKUP3mVg0yAfH7ZwQnWLca?dl=0</a></p> <p><b>2. STC meeting:</b></p> <ul style="list-style-type: none"> <li>- participating in DESIRE Management Meeting organized by the German Jordanian University in Amman, Jordan during the period December 16 - 17, 2018.</li> <li>-participating in the DESIRE 7TH STC meeting held in Nicosia, Cyprus, between 30/01-01/02/2019</li> </ul> <p><b>3.Special events:</b></p> <ul style="list-style-type: none"> <li>• The Environment and Local Administration Ministry in cooperation with UNDP - the united nation development programme- implemented a workshop " Local contribution document within Paris agreement of Climate Change". The activities of this workshop were organized in Afamia Hotel on Thursday 18/10/2018.</li> </ul>

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	<p>Local Environmental Day in Syria: The Higher Institute of Environmental Research in cooperation with Science Faculty, Agriculture Faculty, Architecture Engineering Faculty and with the Mechanical and Electrical Engineering Faculty implemented a workshop on the occasion of Local Environmental Day and a tree day entitled "Controlling Noise Pollution". The activities of this workshop were organized in Seminar Room in Agriculture Faculty in Tishreen University on Thursday 6/12/2018.</p>
<b>Deviation of working or time schedule and technical corrective action</b>	<p>All participants from Syria (Damascus University and Tishreen University) missed to attend Aswan meeting in Egypt during the period 7-9/2/2017 because of not obtaining security approval for entrance Egypt before the date of the meeting, we sent a report about this unfortunate incident to the national coordinator of the project.</p> <p>Participants from Tishreen University couldn't attend the TOT in Dresden during the period during the period 1-3/8/2018 due to a health issue of some candidates or visa issues. It is really hard to get visa appointments in the European embassies in Beirut.</p>
<b>Past or expected bottlenecks</b>	<p>Financial laws are unfair, for example, problems for obtaining visas and travel-related problems to the place of the meeting due to the current situation in Syria. We have to pass in a second station before reaching the place of the meeting (Damascus - Beirut - point of the meeting). Some participants didn't get visa at all and missed the training.</p> <p>In addition to the high price of flight tickets to the place of training and the low price we receive from the project due to the current laws.</p>
<b>Working plan for the next 6 months</b>	<p>A Skype meeting between TU team and Sapinza University team on February 21<sup>st</sup>, Thursday to discuss the teaching modules of DESIRE project.</p> <p>Continuous cooperation with work package leaders (WP) to accomplish the next tasks especially in teaching modules and dissemination activities of DESIRE project.</p> <p>Following up quality assurance and the good implementation work of the project.</p>

Table 54 Report on activities of TU 9.2018-2.2019