

WP6 Sustainability:

DAM (lead partner)

MHE, TUD, HTWD, URO, BOKU, CULS, UO, AU, ALBA, TIU, HIWM, SMUL, SEED, MUS, GCEC, ACSAD

WP.6	SUSTAINABILITY				
Start (month number):	1	End (month number):	36	Duration (in months):	36
Related assumptions and risks:	<p>The related assumptions are the results and the deliveries of the previous WP1, 2, 3 and 4. The risks are the non-performance of the deliveries in the WP1, 2, 3 and 4. Risks are in the decision making and implementation process in case that one important policy maker is not adequately involved. To overcome this risk, the Syrian partners are engaged to identify all stakeholders to involve.</p> <ol style="list-style-type: none"> 1- Reports from the WP1, 2, 3 and 4 to be submitted to DAM in order to be used for the WP6 (even if drafts). This is important for evaluation and checking while implementation is taking place, so to sustain the process by adjustments for instance. 2- Contacts with the MHE will be continued 3- Syrian partners are already involved in the Discussions 4- This is an invitation for the EU partners to support us in this WP (call for volunteers): Names of partners to support and contribute to this are: A- ?? B- C- D- 5- Draft report of the methodology is under construction (end of July will be submitted) 				

Description of workpackage:	<p>The results which are produced in the previous WP's and activities must be made to permanent institution.</p> <p>Damascus University undertakes this responsibility together with the MHE</p> <p>The visions and missions which are created in WP's must be installed and checked under real conditions.</p> <p>This can be made only for selected study courses, research contracts and links between education-research-innovation. For this the Damascus-, Al-Baath- and Aleppo-University are selected to test and to validate the proposed modern higher education system for water engineering in Syria with the core of the triangle education-research-innovation. Each of these universities realizes another focal point of the new system. Among this one the universities must show with which aids the obtained new education system can be make permanently after the finish of the project.</p> <p>Installation by the Department of Water Engineering in the Faculty of Civil Engineering, Damascus University.</p> <p>When the project is documented and reports are delivered, a team of experts and academics will be formed to evaluate the outcomes. Among t hem the curricula and decision should be taken by decision makers to implement and check under real conditions. Flexibility should be guaranteed to allow possibility for adjustments.</p> <p>For DAM to make this course permanent, the number and quality of staff, the quality assurance of education and research, the provision of budget and equipment, the durability of the networking and other which was given by the project should be guaranteed!!!! The draft report will include some suggestions to the MHE and DAM University in how to pave the way for this!.</p> <p>Another condition for the sustainability is the acknowledgement of new structures by responsible authorities. In the project the Syrian Ministry of Higher Education is involved as a partner in each WP. By the preparation of all deliveries and carrying out of all workshops the Ministry has the possibility to take an influence of the details in the new education system. With it is guarantee the acknowledgment by the ministry.</p> <p>In order to get the acknowledgment of the MHE, Deliveries and workshops should be completed!</p> <p>For other Syrian ministries (irrigation, housing, technology) must be installed similar possibilities to inform about the results of the project in good time.</p> <p>Besides, in the project two representative of the Syrian water industry are involved. These both have the same possibility to take influence on the results of the WP's like the other partners. In this WP6 and in the WP5 it is a main task to spread the discussion with other enterprises, engineering offices, research institutes and others. For sustainable research activities the fund-raising must be started in good time.</p> <p>Organized activities:</p> <p>Meetings with the water related ministries and introducing the new structure of the curricula and project components with the deliverables.</p> <p>A number of meetings tookplaceduring last</p>
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Consortium partners involved:	DAM (lead partner) MHE, TUD, HTWD, URO, BOKU, CULS, UO, AU, ALBA, TIU, HIWM, SMUL, SEED, MUS, GCEC, ACSAD		
Deliverables:	6.1	Realisation of new structure	
		Date: 09/2013	Type: Methodology Dissemination: National
		Description:	Based on the present situation in the three selected universities different parts of new education system will be arranged. The selection which part will be established in which university is depend from the analysing in the WP1, 2 and 3. In the DAM can be installed new study courses of water engineering. The ALBA jointly with the HIWM the research activity and training courses can be managed profitably. In the AU the cooperation of two faculties is possible for a defragmented education.

	6.2	Validation of new structures	
		Date: 09/2013	Type: Methodology Dissemination: International
		Description:	The proposed new education system is similar to system in the EU countries and takes the Lisbon and Bologna process. This new system must prove the effectiveness under 'Syrian conditions. The acknowledgement of new structures by responsible authorities and by the society must be given. The validation of the new system will be carry out by the jointly work of Syrian and EU partners. At the end of this WP a feasibility study is delivered.
	6.3	End meeting in Damascus/Syria	
		Date: 09/2013	Type: Conf./Sem. Dissemination: International
		Description:	The final meeting is organized by the MHE and DAM. In this meeting take part all partners of the consortium. He is open for a wide audience of the society. In this workshop the deliverable from the WP6 will be presented not only, but also from the WP4 and WP5. The discussion in this conference is very important for the acknowledgement by the society of the proposed new higher education system.

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How to lead?

Cooperation from partners is needed!

How to arrange and insure??

Related assumptions and risks:

The related assumptions are the results and the deliveries of the previous WP1, 2, 3 and 4. The risks are the non-performance of the deliveries in the WP1, 2, 3 and 4. Risks are in the decision making and implementation process in case that one important policy maker is not adequately involved. To overcome this risk, the Syrian partners are engaged to identify all stakeholders to involve.

1. Reports from the WP1, 2, 3 and 4 to be submitted to DAM in order to be used for the WP6 (even if drafts). This is important for evaluation and checking while implementation is taking place, so to sustain the process by adjustments for instance.
2. Contacts with the MHE will be continued
3. Syrian partners are already involved in the Discussions
4. This is an invitation for the EU partners to support us in this WP (call for volunteers): Names of partners to support and contribute to this are:

A
B
C
D

5. Draft report of the methodology is under construction (end of July will be submitted)

Description of workpackag:

The results which are produced in the previous WP's and activities must be made to permanent institution.

Damascus University undertakes this responsibility together with the MHE

The visions and missions which are created in WP's must be installed and checked under real conditions.

This can be made only for selected study courses, research contracts and links between education-research-innovation. For this the Damascus-, Al-Baath- and Aleppo-University are selected to test and to validate the proposed modern higher education system for water engineering in Syria with the core of the triangle education-research-innovation. Each of these universities realizes another focal point of the new system. Among this one the universities must show with which aids the obtained new education system can be make permanently after the finish of the project.

Installation by the Department of Water Engineering in the Faculty of Civil Engineering, Damascus University.

When the project is documented and reports are delivered, a team of water experts and

academics will be formed to evaluate the outcomes. This team will be formed from the Universities and different ministries. The developed structure including the curricula will be evaluated and decision should be taken by decision makers to implement and check under real conditions. Accordingly, flexibility should be guaranteed to allow possibility for adjustments.

For DAM to make this course permanent in its education system, the number and quality of staff, the quality assurance of education and research, the provision of budget and equipment, the durability of the networking and other (part of it is given by the by the project) should be guaranteed!!!! The draft report will include some suggestions to the MHE and DAM University in how to pave the way for this!.

Another condition for the sustainability is the **acknowledgement** of new structures by responsible authorities. In the project the Syrian Ministry of Higher Education is involved as a partner in each WP. **By the preparation of all deliveries** and carrying out of all workshops the Ministry has the possibility to take an influence of the details in the new education system. With it is guarantee the acknowledgment by the ministry.

In order to get the acknowledgment of the MHE, Deliveries and workshops should be completed!

For other Syrian ministries (irrigation, housing, technology) must be installed similar possibilities to inform about the results of the project in good time.

Besides, in the project two representative of the Syrian water industry are involved. These both have the same possibility to take influence on the results of the WP's like the other partners. In this WP6 and in the WP5 it is a main task to spread the discussion with other enterprises, engineering offices, research institutes and others. For sustainable research activities the fund-raising must be started in good time.

Organized activities:

1. Meetings with the water related ministries and introducing the new structure of the curricula and project components with the deliverables.
2. A number of meetings took place before the project was suspended (2010-2011) and during last 6 months (written reports will be referred to in the final report)
3. A new scheme of meetings and or workshops is scheduled as following:
 - Meeting with the MHE: 8 July 2014
 - Frequent meetings with the GCEC and the HIWM and ACSAD
 - Meeting with the DAM: first week of August July 2014
 - Workshop in the ministry of water resources and the general commission for water resources: first week of August 2014
 - Meeting with the PICC: planning and international cooperation commission: second half of August or early September (second meeting was 11 June 2014)
 - Meeting with the industrial, trading and agricultural groups (NGOs): two small workshops during May 2014 (funded and organized by the industrial sector: Mr. Ghyath Shammah)
 - Meeting with the Ministry of agriculture: May 2014 with the head of planning and statistics and the ministry adviser and of the ministry staff. The new date of a meeting in early September 2014.
 - Ministry of Environmental affairs: not ready before October 2014 but requested the

project documents to review and send feedback.

- UN-ESCWA was briefed about this project in April 2014; One day trip was funded by the ESCWA. Possibility to join us in a new project

6.1:

Realisation of new structure

Type: Methodology

Dissemination: national

Description:

Based on the present situation in the three selected universities, different parts of new education system will be arranged. The selection which part will be established in which university is depend from the analysing in the WP1, 2 and 3. In the DAM can be installed new study courses of water engineering. The ALBA jointly with the HIWM the research activity and training courses can be managed profitably. In the AU the cooperation of two faculties is possible for a defragmented education.

How to insure sustainability

O Realisation of new structure:

- A modern master programme is possible
- For Master programme: Can directly be established
- For undergraduate programme: integration with the current programme/creation of the new system!! Still under discussion

6.2:

Validation of new structures

Type: Methodology

Dissemination: national

Description:

The final meeting is organized by the MHE and DAM. In this meeting take part all partners of the consortium. He is open for a wide audience of the society. *In this workshop the deliverable from the WP6 will be presented not only, but also from the WP4 and WP5. The discussion in this conference is very important for the acknowledgement by the society of the proposed new higher education system.*

□

Experience with the existing modern master programs

“Discussions” showed that DAM has the capability to introduce the new system and insure validity with the MHE (Confirmation from the MHE and DAM)

O Expected support from the EU Partner:

- *Methodology outlines*
- *Report structure*
- *Feed backs from other WPs reports*
- *Ideas for constructing the report and build it according to the current achievements*

Some outcomes:

- A collaborative work is established to follow up the completion of the three course and share knowledge
- Drafts of the courses to be shared with other ministries and organizations.
- Outlines and description: Meeting were held to discuss contents and finalize an agreed on forms of the modules
- Practical experience and need for knowledgeable graduates in practical measures is need to be assured in the courses and other components
- General courses are considered in the developed courses. Such as:
 - Project management, reporting, project technical and financial proposals, quality assurance
 - Linkage to new technology and innovative techniques in project implementation