



ERASMUS+ PROGRAMME

Project Number: 573927-EPP-1-2016-1-JO-EPPKA2-CBHE-JP

EGREEN:

Development Of Environmental Engineering Courses And Injection Of Climate Change Concept For Undergraduate Curriculum

**Agenda
of
The Third Steering Committee Meeting**

**Universidade Católica Portuguesa (ESB-UCP)
Porto-Portugal**

January 18 - 20, 2018



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Venue: Room - Auditorium

Day 1

Thursday, January 18, 2018

Day 1 Thursday, January 18, 2018	
9:00-09:30	Registration
09:30-10:15	Opening Ceremony <ul style="list-style-type: none"> • Welcome speech by UCP – ESB Member of the Board, Prof. Paula Castro • Welcome speech by P&B- Dr. Paulo Baptista • Meeting presentation by the local Coordinator of EGREEN Project, Prof. Eduardo Cardoso • Presentation on the progress of EGREEN Project by the General Coordinator of the Project, Prof. Ahmed Al-Salaymeh
10:15-10:30	Coffee Break + Group Photo
10:30-13:00	Session (1) Chaired by Prof. Wolfgang Streicher (UIBK)
10:30-11:00	WP2: Scoping and training needs by Prof. Wolfgang Streicher (UIBK) and Mr. Martin Hauer <ul style="list-style-type: none"> ❖ Task 2.1: Scoping and Market Needs Analysis ❖ Task 2.2: Scoping and Market Needs Analysis ❖ Task 2.3: Planning and Methodologies
11:00-11:30	WP3: Development of Study Plan and Curricula Action plan by Prof. Salman Ajib (OWL-UAS) <ul style="list-style-type: none"> ❖ Task 3.1: Workshop on Curricula Updating ❖ Task 3.2: Selection of Pilot Courses and Labs ❖ Task 3.3: Detailed Design of Pilot Courses ❖ Task 3.4: Accreditation of New Curricula ❖ Task 3.5: New Curricula for environment Courses ❖ Task 3.6: Establishment of Environmental lab ❖ Task 3.7: Monitoring and Feedback Methodology and Reports
Workshop for courses development (Parallel sessions) A (Room –Auditorium), B (Room – 1.3), and C (Room – 1.4)	
Session A1 11:30-13:00	Course 1: Water Resources Engineering including non-conventional water recourses <ol style="list-style-type: none"> 1. Dr. Paulo Baptista (P&B) 2. Prof. Joachim Fettig (HS-OWL) 3. Prof. Adnan Ghata (ABU) 4. Prof. Omer Maaitah (MUTAH) 5. Prof. Amjad Shatnawi (AABU)
	Course 2: Water and Wastewater Treatment including Bio-Techniques for Waste Water Treatment <ol style="list-style-type: none"> 1. Dr. Paulo Baptista (P&B) 2. Prof. Joachim Fettig (HS-OWL) 3. Prof. Adnan Ghata (ABU)

	<ol style="list-style-type: none"> 4. Prof. Omer Maaitah (MUTAH) 5. Prof. Amjad Shatnawi (AABU)
Session A2 11:30-13:00	Course 5: Environmental engineering and sustainable development <ol style="list-style-type: none"> 1. Prof. Burkhard Wrenger (HS-OWL) 2. Prof. Martin Kaltschmitt (TUHH)+ Marvin Scherzinger (TUHH) 3. Prof. Fahmi Abu Al-Rub (JUST) 4. Prof. Moussa Al-Samara (TU) 5. Dr. Muna Hindiyeh (GJU)
	Course 12: Waste Resource Management including Solid Waste Management <ol style="list-style-type: none"> 1. Prof. Burkhard Wrenger (HS-OWL) 2. Prof. Martin Kaltschmitt (TUHH)+ Marvin Scherzinger (TUHH) 3. Prof. Fahmi Abu Al-Rub (JUST) 4. Prof. Moussa Al-Samara (TU) 5. Dr. Muna Hindiyeh (GJU)
Session B 11:30-13:00	Course 4: Air Pollution and Air Quality Management <ol style="list-style-type: none"> 1. Prof. Klaus Maßmeyer (HS-OWL) 2. Prof. Mohammad Hamdan (UJ) 3. Prof. Moussa Al-Samara (TU) 4. Prof. Amjad Shatnawi (AABU)
	Course 6.a.: Introduction to Environment and Climate Change (New course) 6.b.: Meteorology and climatology (New Course) 6.c.: Environmental Monitoring Systems (New Course) <ol style="list-style-type: none"> 1. Prof. Saeb Khresat (JUST) 2. Dr. Eduardo Luís Cardoso (UCP) 3. Prof. Klaus Maßmeyer (HS-OWL) 4. Prof. Burkhard Wrenger (OWL-UAS) 5. Prof. Adnan Ghata (ABU) 6. Dr. Muna Hindiyeh (GJU) 7. Prof. Moussa Al-Samara (TU) 8. Dr. Hmoud Mubaydeen (MUTAH)
Session C1 11:30-13:00	Course 3: Design of Sustainable Buildings including Energy efficient building services <ol style="list-style-type: none"> 1. Prof. Wolfgang Streicher (UIBK) 2. Dr. Martin Hauer (UIBK) 3. Prof. Mohammad Hamdan (UJ) 4. Dr. Louy Qoaider (GJU) 5. Dr. Loui Dabbour (ZUJ)
	Course 7: Energy Resources and Engineering and Energy conversion Technologies <ol style="list-style-type: none"> 1. Prof. Wolfgang Streicher (UIBK) 2. Dr. Martin Hauer (UIBK) 3. Prof. Mohammad Hamdan (UJ)



	<ol style="list-style-type: none"> 4. Dr. Louy Qoaider (GJU) 5. Dr. Loui Dabbour (ZUJ)
Session C2 11:30-13:00	Course 8: Design of Renewable Energy Systems <ol style="list-style-type: none"> 1. Prof. Salman Ajib (OWL-UAS) 2. Prof. Suhil Kiwan (JUST) 3. Prof. Ahmed Al-Salaymeh (UJ) 4. Dr. Eduardo Luís Cardoso (UCP) 5. Prof. Mohammad Smairan (AABU) 6. Eng. Eman Abdelhafez (ZUJ)
	Course 10: Power and Refrigeration Cycles <ol style="list-style-type: none"> 1. Prof. Salman Ajib (HS-OWL) 2. Prof. Mohammad Hamdan (UJ) 3. Prof. Suhil Kiwan (JUST) 4. Prof. Mohammad Smairan (AABU) 5. Eng. Eman Abdelhafez (ZUJ)
Session C3 12:30-13:00	Course 11: Modulation and simulation of power plant cycles (new); This needs a software programm Epsilon and Engineering Thermodynamics <ol style="list-style-type: none"> 1. Prof. Wolfgang Streicher (UIBK) 2. Prof. Suhil Kiwan (GJU) 3. Dr. Eduardo Luís Cardoso (UCP) 4. Eng. Eman Abdelhafez (ZUJ)
	Course 9: Heating Ventilating and Air Conditioning Systems including solar energy driven system <ol style="list-style-type: none"> 1. Prof. Wolfgang Streicher (UIBK) 2. Prof. Salman Ajib (HS-OWL) 3. Prof. Suhil Kiwan (GJU) 4. Dr. Eduardo Luís Cardoso (UCP) 5. Prof. Mohammad Hamdan (UJ) 6. Eng. Eman Abdelhafez (ZUJ)
13:00-14:00	Lunch at ESB-UCP (Complimentary)
Session (2) Chaired by Prof. Ahmed Al-Salaymeh	
14:00-15:00	Continuous of the workshop
15:00-16:30	WP3: Development of Study Plan and Curricula Presenting the final outline for the 14 courses <ul style="list-style-type: none"> ❖ Course 1: Water Resources Engineering including non-conventional water recourses by Dr. Paulo Baptista (P&B) ❖ Course 2: Water and Wastewater Treatment including Bio-Techniques for Waste Water Treatment by Prof. Joachim Fettig (HS-OWL) ❖ Course 5: Environmental engineering and sustainable development by Prof. Burkhard Wrenger (HS-OWL)



	<ul style="list-style-type: none"> ❖ Course 12: Waste Resource Management including Solid Waste Management by Marvin Scherzinger (TUHH) ❖ Course 4: Air Pollution and Air Quality Management by Prof. Klaus Maßmeyer (HS-OWL) ❖ 6.a.: Introduction to Environment and Climate Change (New course) by Prof. Saeb Khresat (JUST) ❖ 6.b.: Meteorology and climatology (New Course) and 6.c.: Environmental Monitoring Systems (New Course) by Prof. Klaus Maßmeyer (HS-OWL) ❖ Course 3: Design of Sustainable Buildings including Energy efficient building services by Prof. Wolfgang Streicher (UIBK) ❖ Course 7: Energy Resources and Engineering, and Energy conversion Technologies by Prof. Mohammad Hamdan (UJ) ❖ Course 8: Design of Renewable Energy Systems by Prof. Salman Ajib (OWL-UAS) ❖ Course 10: Power and Refrigeration Cycles by Martin Hauer (UIBK) ❖ Course 9: Heating Ventilating and Air Conditioning Systems including solar energy driven system by Prof. Wolfgang Streicher (UIBK) ❖ Course 11: Modulation and simulation of power plant cycles (new); This needs a software program Epsilon and Engineering Thermodynamics by Prof. Suhil Kiwan (GJU)
<p>16:30-18:00</p>	<p>Road map by Prof. Salman Ajib to develop the courses including accreditation, ECTS and online courses</p>



Day 2

Friday, January 19, 2018

Session (3)

Chaired by Prof. Klaus Maßmeyer

9:00-10:00	WP1: Networking by Prof. Fahmi Abu Al-Rub (JUST) ❖ Task 1.1 : Elaboration of Agreement, Members List and Statute
10:00-10:30	WP6: Monitoring and Evaluation by Dr. Louy Qoaider (GJU) ❖ Task 6.1: Quality Committee ❖ Task 6.2: External Evaluation ❖ Task 6.3: Monitoring and Evaluation Plan ❖ Task 6.4: Mid-Term Evaluation Report ❖ Task 6.5: Final Evaluation Report
10:30-11:00	WP7: Dissemination and Sustainability by Dr. Adnan Ghata (ABU) & Eng. Eman (ZUJ) ❖ Task 7.1: Communication Plan to Disseminate Activities ❖ Task 7.2: Info-Days "Environments and Climate Change"
11:00-11:30	Coffee Break
Session (4)	
Chaired by Prof. Suhil Kiwan	
11:30-12:00	WP4: Development of Online Content and Competencies by Dr. Cardoso (UCP) ❖ Task 4.1: Development of e- Learning Environment. ❖ Task 4.2: Adaptation of e-learning Courses Content into curricula ❖ Task 4.3: Personalization of e-learning
12:00-13:00	WP5: Capacity Building by Prof. Martin Kaltschmitt (TUHH) ❖ Task 5.1: Development a Capacity Building Programme ❖ Task 5.2: Academic Visits to EU Partners ❖ Task 5.3: Students Visits to EU Partners ❖ Task 5.4: Training Workshops in environment in Jordan and Syria
13:00-14:00	Lunch at ESB-UCP (7 Euro)
Session (5)	
Chaired by Prof. Salman Ajib (OWL-UAS)	
14:00-15:00	Feedback report on conducted monitoring visits
15:00-17:00	WP8: Management by Prof. Ahmed Al-Salaymeh (UJ) ❖ Task 8.1: Scientific committee ❖ Task 8.2: Steering Committee ❖ Task 8.3: Operational management ❖ Task 8.4: EGREEN Website ❖ Financial Management by Prof. Ahmed Al-Salaymeh, UJ
18:00-19:30	Social Dinner (15-20 Euro)



Day 3 Saturday, January 20, 2018	
9:30-10:00	Briefing Prof. Ahmed Al-Salaymeh, EGREEN Project Coordinator
Session (6), Chaired by Prof. Eduardo WP8 and Road Map	
10:00-11:00	Steering committee meeting
10:00-11:00	Scientific committee meeting
11:00 –11:30	Coffee Break
11:30-12:00	Quality committee meeting
12:00-13:00	Road Map for the next six months by Prof. Ahmed Al-Salaymeh
13:00 –14:00	Lunch Break
Closing Session, Chaired by Prof. Eduardo Cardoso (UCP)	
14:00– 14:30	Wrap up and Closing
14:30-17:00	Bilateral meeting with project coordinator Administrative activities with Syrian partners