

ERASMUS+ PROGRAMME

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

ECO-CAR:

Vocational Training Diploma on Electrical and Hybrid Vehicles

**Minutes of
2nd Online Management Meeting**

The University of Jordan

**Amman-Jordan
12th March, 2021
14:00 – 16:00**



Participant List

No.	Participant Name	No.	Participant Name
The University of Jordan			
1.	Prof. Ahmed Al-Salaymeh	3.	Eng. Rasha Al-Beek
2.	Prof. Mohammad Ahmad Hamdan	4.	Ms. Hanan Hasan
Jordan University of Science and Technology			
5.	Prof. Fahmi Abu Al-Rub	6.	Eng. SalahEddin Abu Yahya
Mutah University			
7.	Prof. Omer Maaitah	8.	Dr. Yazeed Shbou
9.	Prof. Mohammad Almajali		
Tafila Technical University			
10.	Dr. Ali Alahmer	11.	Dr. Ahmad Mostafa
12.	Dr. Wai'l Adaileh		
Al-Balqa Applied University			
13.	Prof. Rebhi Damseh	14.	Dr. Ma'moun Al-Smadi
Al-Hussein bin Abdullah II Technical University			
15.	Prof. Amjad Al Fahoum	16.	Dr. Feras Kafiah
Applied Science University			
17.	Prof. Ayman AbuBaker	18.	Dr. Mohammad Bani-Khaled
Al-Zaytoonah University of Jordan			
19.	Dr. Loai Dabbour	20.	Eng. Eman Abdelhafez
Technische Hochschule Ostwestfalen-LIPPE			
21.	Prof. Salman Ajib		
Rheinisch-Westfaelische Technische Hochschule Aachen			
22.	Eng. Florian Ringbeck		



Universidad de la Iglesia de Deusto Entidad Religiosa

23. Dr. Ivan Dyukarev

24. Mrs. Marian Aláez

Budapesti Muszaki es Gazdasagtudomanyi Egyetem

25. Dr. Máté Zöldy

National Technical University of Athens

26. Prof. Dimitrios Koulocheris

27. Dr. Clio Vossou

Universita Degli Studi Dell'aquila

28. Prof. Anna Tozzi

29. Prof. Carlo Villante

Minutes of the Meeting

The second management meeting was conducted via zoom video conferencing due to the global crisis, Corona Virus.

The meeting started by a welcome speech from the Project Coordinator and viewing the agenda of the meeting by Prof. Ahmed Al-Salaymeh.

ECO-CAR Project in Brief

Prof. Ahmed Al-Salaymeh presented ECO-CAR Project in Brief. He outlined the project objectives, indicators, expected results of work packages and their overall plan. The overall plans will be as follow:

WP1: Establishing university-enterprise cooperation

Duration: M1 to M36

Lead University: Jordan University of Science and Technology (JUST)

Co-Lead University: Mutah University (MU), Al-Hussein bin Abdullah II Technical University (HTU) & Universidad de la Iglesia de Deusto Entidad Religiosa (UD)

Overall Plan:

Number	Plan	Duration
1	Proactively identify and seek out network members from different locations.	M1
2	Provide the network members with the needed information about the project aims and activities.	M1
3	Prepare a registration form.	M1
4	Creating a Network of Community Support professionals, potential funders and investors and other stakeholders. The Network members will be involved in different activities of the project.	M5
5	Conduct meetings with enterprises to include them in the design and implementation of the project, to understand stakeholders' interests, concerns and culture.	M5
6	Organise workshops and seminars to exchange information.	M6-M36
7	Sign collaboration agreements with enterprises and training centers to let the students make their internships.	M6

Prof. Fahmi Abu AlRub and Eng. Salaheddin Abu Yahya (JUST) presented the progress of this work package and the action plan for preparing ECO-CAR Networking since 6 Stakeholders are collected from JUST and MU and the registration form is translated to Arabic. The partners agreed on the following:

No.	Task	Responsibility
1	Contacting stakeholders (JO and EU) partners	All partners
2	Feedback from Coleaders	MU, HTU and UD
3	Send the registration form to quality committee	JUST

WP 2: Baseline Study

Duration: M1 to M6

Lead University: Applied Science University (ASU)

Co-Lead University: Tafila Technical University (TTU), Al-Balqa Applied University (BAU) & Universita Degli Studi Dell'Aquila (UNIVAQ)

Overall Plan:

Number	Plan	Duration
1	WP leader will set a detailed plan for the WP.	M1
2	WP leader will design the four surveys in coordination with WP5 leader and submit them to be approved by Technical Committee.	M2
3	Partners will circulate the surveys to the target groups.	M2
4	Co-leaders will analyze the responses under the leader supervision and generate one report.	M4
5	Other WP's will be based on generated results of this surveys.	M5
6	Progress report to be provided by WP leader every 6 months based on collected feedback from Co-Leaders.	M6

Dr. Mohammad Bani Khaled (ASU) presented the progress of this work package and the action plan for the prepared surveys as the needed responses from each JO partner will requested to be as the following:

- **Partner survey, DL 20.03.2021 (1 response/each)**
- **Faculty survey, DL 20.03.2021 (15 responses/each)**
- **Stakeholders survey (10 responses/each)**
- **Organization & maintenance (25 responses/each)**
- **Students from different levels (100 responses/each)**

and agreed on the following:

No.	Task	Responsibility
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1.	Cooperation from JO partners to collect the responses.	JO partners
2.	Update from ASU about the status of collecting responses.	ASU

WP 3: Capacity Building

Duration: M5 to M33

Lead University: National Technical University of Athens (NTUA)

Co-Lead University: Applied Science University (ASU), Rheinisch-Westfaelische Technische Hochschule Aachen (RWTH Aachen) & Budapesti Muszaki es Gazdasagtudomanyi Egyetem (BME)

Overall Plan:

Number	Plan	Duration
1	WP leader will set a detailed plan for the WP.	M5
2	WP leader will set selection criteria for the workshops.	M5
3	Workshop topics will be matching the hosting university expertise (Topics in electrical and hybrid vehicles and how to prepare and teach e-courses): <ol style="list-style-type: none"> (6) Training workshops in 5 EU countries for (90) academic and technical staff, (M7, M10, M13, M16, M19, M21). (1 or 2) Training workshop in 3 or 4 EU countries for (24) students in Europe, (M30-M33). (8) Technology-enhanced (In-house) teacher training for (600) staff member. 	M7-M33
4	Progress report to be provided by WP leader every 6 months based on collected feedback from Co-Leaders.	

Dr. Clio Vossou (NTUA) presented the progress of Capacity Building Plan work package and the action plan for the next stages is to held Virtual Training of trainers On (July and October, 2021 for Academic staff), and following were agreed on:

No.	Task
1.	Collecting expertise of EU partners and scientific Background from Partner countries.

WP 4: Establishment of EV/HEV labs

Duration: M6 to M21

Lead University: Al-Balqa Applied University (BAU)

Co-Lead University: The University of Jordan (UJ), Jordan University of Science and Technology (JUST) & National Technical University of Athens (NTUA)

Overall Plan:

Number	Plan	Duration
1	WP leader will set a detailed plan for the WP.	M2
2	Prepare a list of main components in ECO-CAR centers.	M2
3	WP leader and co-leaders will set the list of needed equipment based on WP2.	M4
4	Central Tender is published.	M10
5	Center is fully equipped and operational.	M18
6	Center establishment.	M21
7	Progress report to be provided by WP leader every 6 months based on collected feedback from Co-Leaders.	

Prof. Rebhi Damseh (BAU) presented the progress of this work package and the action plan for preparing needed list of equipment for partners and its specifications and agreed on starting the procedure of purchasing the equipment as early as possible after receiving the feedback and comment from JO partners and was agreed on:

No.	Task	Responsibility	Due Date
1.	Receiving comments and feedback from rest of JO partners	BAU	18.03.2021
2.	Final list with changes and Justification from BAU to UJ.	BAU	

WP5: Developing ECO-CAR Professional Diploma

Duration: M4 to M34

Lead University: Budapesti Muszaki es Gazdasagtudomanyi Egyetem (BME)

Co-Lead University: The University of Jordan (UJ), Technische Hochschule Ostwestfalen-LIPPE (TH-OWL), Rheinisch-Westfaelische Technische Hochschule Aachen (RWTH Aachen) & Universita Degli Studi Dell'aquila (UNIVAQ)

Overall Plan:

Number	Plan	Duration
1	WP leader will set a detailed plan for the WP with due dates.	M4-M6
2	Courses selection based on WP2 results.	M7
3	WP leader will prepare a course outline template with learning outcomes.	M8
4	Creation of committees responsible to develop the selected courses.	M9
5	Diploma accreditation.	M12
6	Tuning Workshop.	M15
7	Courses are developed.	M20
8	Piloting phase.	M16-M34
9	Progress report to be provided by WP leader every 6 months based on collected feedback from Co-Leaders.	

Dr. Máté Zöldy (BMU) presented the progress of this work package and the action plan for preparing and agreed on starting the procedure of purchasing the equipment as early as possible since the accreditation process may take long time per each partner.

Task #	Plan and duration
Task 5.1: Develop Diploma Study Plan and course description	M9-M12, 8 committees based on topics, each min. 1 Jordan + 1 European university
Task 5.2: Virtual Learning Portal	Available already and the platform should be conducted. http://sites.ju.edu.jo/en/ECO-CAR/Home.aspx
Task 5.3: Accreditation of the diploma/courses	Up to M12 at 8 Jordan Uni according to local uni accreditation procedure
Task 5.4: Develop courses content	M13-M20, based on accredited study plans
Task 5.5: Tuning Workshop	M15
Task 5.6: Piloting and implementation of ECO-CAR Professional Diploma	M16-M34 mainly at Jordan universities

Task 5.7: Integrating some new modules in existing programmes	Up to M34, at Jordan universities
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No.	Task	Responsibility	Due Date
1.	Reviewing the prepared surveys by BMU and sent the comments connected with Wp5.	BMU	18.03.2021

WP6: Quality and Impact Evaluation

Duration: M1 to M36

Lead University: Universidad de la Iglesia de Deusto Entidad Religiosa (UD)

Co-Lead University: Tafila Technical University (TTU), Al-Zaytoonah University of Jordan (ZUJ) & Budapesti Muszaki es Gazdasagtudományi Egyetem (BME)

Overall Plan:

Number	Plan	Duration
1	Quality committee will be formed during the kick off meeting.	M1
2	WP leader will set a detailed plan for the WP with due dates.	M2
3	WP leader will prepare online evaluation links for all meetings, workshops and circulate them to partners after each event, and the results will be analyzed by the co-leaders.	M2
4	WP leader will prepare the Quality assurance tools.	M5
5	WP leader will prepare online evaluation links for all piloted courses, and circulate them to partners, and the results will be analyzed by the partners.	M10
6	Courses will be peer reviewed against a developed checklist.	M12
7	External evaluator will be appointed by WP leader.	M12
8	Progress report to be provided by WP leader every 6 months based on collected feedback from Co-Leaders.	

Dr. Ivan Dyukarev (UD) presented the progress of Quality and Impact Evaluation Plan work package and the action plan for the next stages, and following were agreed on:

No.	Task	Responsibility	Due Date
1.	Send the quality committee to UD	Rasha , UJ	-----
2.	Hiring External Evaluator	UD	-----
3.	Arrange a meeting with UJ, Coleaders of this wp and UD)	Rasha, UJ	14-18.03.2021

WP7: Dissemination and Sustainability

Duration: M1 to M36

Lead University: Al-Hussein bin Abdullah II Technical University (HTU)

Co-Lead University: Mutah University (MU), Al-Zaytoonah University of Jordan (ZUJ) & Technische Hochschule Ostwestfalen-LIPPE (TH-OWL)

Overall Plan:

Number	Plan	Duration
1	Dissemination committee will be formed during the kick off meeting.	M1
2	Project website will be designed, hosted and managed by University of Jordan.	M1
3	Facebook page will be created and managed by University of Jordan.	M1
4	Promotional Materials will be designed by Work Package leader.	M2
5	WP leader will set a detailed plan it will include plans for Dissemination, Sustainability and Networking.	M3
6	E-Learning platform will be created and managed by University of Jordan.	M12
7	Tester courses workshops and will be organized in Jordan.	M18
8	A three-day Final dissemination conference will be held at University of Jordan.	M35
9	Progress report to be provided by WP leader every 6 months based on collected feedback from Co-Leaders, the report will cover all Work packages.	

Prof. Amjad Fahoum (HTU) presented the progress of Dissemination and Sustainability Plan work package and the action plan for the next stages, and following were agreed on:

No.	Task	Responsibility	Due Date
1.	HTU is responsible for 1st newsletter.	HTU	15.07.2021
2.	All partners asked to include ECOCAR info through their official websites.	All partners	12.03.2021
3.	Prepare design of dissemination and promotional materials	HTU	M2
4.	Start design (Roll up, brochure, E-newsletter and promotional)	HTU	
5.	Schedule bilateral meeting between UJ and HTU	Rasha, UJ	14-18.03.2021

WP8: Project Management

Duration: M1 to M36

Lead University: The University of Jordan (UJ)

Number	Plan	Duration
1	A Steering Committee (SC) will be established during the kick-off meeting part 2 with 1 representative from each partner.	M1-M36
2	A Technical and Scientific Committee (TSC) will be established during the kick-off meeting part 2.	M1-M36
3	6 coordination meetings will be conducted in Amman (KOM), Budapest, Aachen, Athens, Deusto and Amman (FC).	M1-M36
4	Monthly virtual status meetings via web-conferencing.	M1-M36
5	Regular communication will be conducted by e-mail and shared electronic database.	M1-M36
6	Progress report will be prepared every six months.	M1-M36

Action Plan:

Number	Plan	Duration
1	A Steering Committee (SC) has been established during the kick-off meeting part 2 with 1 representative from each partner.	17.02.2021- 25.02.2021
2	A Technical and Scientific Committee (TSC) has been established during the kick-off meeting part 2.	17.02.2021- 25.02.2021
3	6 coordination meetings will be conducted in Amman (KOM), Budapest, Aachen, Athens, Deusto and Amman (FC).	M1-M36
4	Monthly virtual status meetings via web-conferencing.	Next meeting 12.03.2021
5	Progress report will be prepared every six months.	M1-M36



Prof. Ahmed Al-Salaymeh presented the progress of each work package and what is needed from partners, as tasks and activities of Project Management work package and the action plan for the next stages, and was agreed on:

No.	Task	Responsibility	Due Date
1.	Transfer 25% from Budget to EU partners	UJ	
2.	Meeting with Aachen University to discuss PA	UJ	14-18.03.2021

Finally, Prof. Ahmed Al-Salaymeh thanked all participants in the conducted online meeting and scheduled the third online management meeting that will be on **April 8th 2021 5 pm Jordan Time.**

Meeting Recording:

https://zoom.us/rec/share/Xzt6UgZUEko4GJuLH5L2_T-Ddlv1NVdL5I8Ilz6ZCJIfIclhB7ZGa0CqrxULo7UR.umzjrdI_N2AJQLs8

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