

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

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

4th Steering and Scientific Committees Meeting
Agenda

University of Deusto

Date:
15-17th March 2023

Location:
University of Deusto - Bilbao, Spain

Join Zoom Meeting link:
<https://bit.ly/3K2SnGz>





First Day
15th March 2023
09:00-17:30

09:00-09:30 Registration

Session 1

Chairman: Dr. Ivan Dyukarev
Moderator: Sara Goitia Ubierna

09:30 - 09:45 **Brief Welcome by Local Organization at UD & Project General Coordinator:**

Dr. Ivan Dyukarev, ECO-CAR Project Coordinator at UD
Prof. Ahmed Al-Salaymeh, ECO-CAR General Project Coordinator, UJ

09:45 - 10:00 **Introducing Participants and logistics support**

10:00-10:40 **Overall Progress of Eco-Car Project, by:**

Prof. Ahmed Al-Salaymeh, UJ

10:40-11:00 **Coffee Break**

Session 2

Chairman: Prof. Ahmed Al-Salaymeh
Moderator: Eng. Dania Sreihin

11:00-11:15 **WP1: Establishing university-enterprise cooperation Plan,**
Presented by **Eng. Salaheddin Abu Yahya, JUST**

- ✓ Status of Eco-Car network
- ✓ Work plan for enhancing the network in Eco-Car project
- ✓ Sign collaboration agreements with enterprises and training centers to let the students make their internships
- ✓ Upcoming tasks

11:15-11:30 **WP2: Baseline Study Plan,**
Presented by **Dr. Mohammed Bani Khaled (ASU)**

- ✓ Status of the research paper
- ✓ Work plan for new research paper
- ✓ Upcoming tasks



11:30-12:45 **WP3: Capacity Building Plan,**
Presented by **Dr. Clio Vossou, NTUA**

11:30-11:45

- ✓ Selection criteria for staff/student training
- ✓ Status of the Training Workshops in Europe for staff
- ✓ Status of Capacity Building Plan
- ✓ Training material
- ✓ Student training
- ✓ Upcoming Tasks

Training Workshops in EU Partners: (11:45-12:45)

- ✓ Workshop dates
- ✓ Workshop title and contents
- ✓ Workshop outcomes

Time	University	Presenter	Notes
11:45-11:55	Budapest University of Technology and Economics (BME)	Dr. Máté Zöldy	Only Outcomes
11:55-12:05	Rheinisch-Westfaelische Technische Hochschule Aachen (RWTH-Aachen)	Prof. Dirk Uwe Sauer Florian Ringbeck	Only Outcomes
12:05-12:15	Universidad de la Iglesia de Deusto (UD)	Dr. Jon García-Barruetabeña	Only Outcomes
12:15-12:25	Technische Hochschule Ostwestfalen-LIPPE (TH-OWL)	Prof. Salman Ajib	Workshop date, title and contents
12:25-12:35	National Technical University of Athens (NTUA)	Prof. Dimitrios Koulocheris Dr. Clio Vossou	Workshop date, title and contents
12:35-12:45	Universita of L'Aquila	Prof. Michele Anatone	Workshop date, title and contents

12:45-14:00 **Lunch and Group photo**

Session 3

Chairman: Prof. Ahmed Al-Salaymeh

Moderator: Eng. Dania Sreihin

14:00-15:40 **WP4:** Establishment of EV/HEV labs Plan,
Presented by **Dr. Isam Qasem, BAU**

14:00-14:10

- ✓ Overall status EV/HEV centres at JO institutions (location, infrastructure, activities, equipment, instructors)
- ✓ Upcoming tasks

EV/HEV Labs at JO Partners: (14:10-15:40)

- ✓ Status EV/HEV centres (equipment list, labs, staff training)

Time	University	Presenter
14:10-14:20	The University of Jordan	Prof. Ahmed Al-Salaymeh
14:20-14:30	Jordan University of Science and Technology (JUST)	Eng. Salaheddin Abu Yahya
14:30-14:40	Mutah University (MU)	Prof. Omer Maaitah
14:40-14:50	Tafila Technical University (TTU)	Dr. Wa'el Adaileh
14:50-15:00	Al-Balqa Applied University (BAU)	Dr. Ma'moun Al-Smadi
15:00-15:10	Al-Hussein bin Abdullah II Technical University	Eng. Yousef okour
15:10-15:20	Applied Science University	Dr. Mohammed Bani Khaled
15:20-15:30	Al-Zaytoonah University of Jordan	Dr. Loai Dabbour
15:30-15:40	Wrapping up	Prof. Ahmed Al-Salaymeh

15:40-16:00 **Coffee Break**



16:00-16:30 **WP6: Quality and Impact Evaluation Plan**
Presented by **Dr. Ivan Dyukarev, and Sara Goitia, UD**

- ✓ Status of quality and impact evaluation
- ✓ External Evaluator
- ✓ Pre and Post Courses Evaluation
- ✓ Reports status
- ✓ Upcoming tasks

16:30-17:00 **WP7: Dissemination and Sustainability Plan,**
Presented by **Dr. Muhannad Al-Tarifi, HTU**

- ✓ ECO-CAR upcoming Newsletters
- ✓ ECO-CAR Website articles and social media posts
- ✓ Documentary film
- ✓ Upcoming tasks

17:00-17:30 **Discussion and closing**

17:30 **End of the 1st day**

Second Day
16th March 2023
09:00 –17:00

09:00-09:30 Registration

Session 4

Chairman: Prof. Ahmed Al-Salaymeh

Moderator: Eng. Dania Sreihin

09:30-09:45 Introduction Speech and Instructions, by:

Dr. Ivan Dyukarev, ECO-CAR Project Coordinator at UD

09:45-11:40 **WP5: Developing ECO-CAR Professional Diploma**

Presented by **Prof. Ahmed Al-Salaymeh & Dr. Máté Zöldy, UJ & BME**

09:45-10:00

- ✓ Overall Accreditation status at different universities
- ✓ Piloting and implementing of ECO-CAR Professional Diploma
- ✓ Virtual learning platforms
- ✓ Upcoming tasks

Clusters: (10:00-11:40)

- ✓ Final Courses outlines
- ✓ Final Courses material
- ✓ Upcoming tasks and challenges

Time	University	Presenter
10:00-10:10	Cluster 1: Hybrid and Electric Vehicle Basics	Dr. Ma'moun Al-Smadi
10:10-10:20	Cluster 2: Battery Storage Technology, Charging systems, and Recharging Infrastructure	Eng. Florian Ringbeck
10:20-10:30	Cluster 3: Electric and Hybrid Vehicles Diagnosis for Maintenance and Repair	Dr. Wael Adaileh
10:30-10:40	Cluster 4: Internal Combustion Engines in Hybrid Vehicles	Eng. Adam Nyerges
10:40-10:50	Cluster 5: Automotive Electricity, Electronics, Sensors, and Actuators	Dr. Muhannad Al-Tarifi
10:50-11:00	Cluster 6: Vehicle Dynamics	Dr. Mohammad Bani Khaled
11:00-11:10	Cluster 7: Health and Safety	Dr. Mohammad Almajali
11:10-11:20	Cluster 8: Electrical Machines and Drives	Prof. Salman Ajib



11:20-11:30	Cluster 9: Labs & Workshops	Dr. Ma'moun Al-Smadi
11:30-11:40	Wrapping up	Prof. Ahmed Al-Salaymeh

11:40-12:00 Coffee Break

Session 5

Chairman: Prof. Ahmed Al-Salaymeh

Moderator: Eng. Dania Sreihin

12:00-13:40 WP5: Developing ECO-CAR Professional Diploma

Implementation of Diplomas at each JO partners: (12:00-12:10)

- ✓ Accreditation status
- ✓ Students enrolled
- ✓ Piloting and implementing of ECO-CAR Professional Diploma
- ✓ Dates of diplomas
- ✓ Upcoming tasks

Time	University	Presenter
12:10-12:20	The University of Jordan (UJ)	Prof. Ahmed Al-Salaymeh
12:20-12:30	Jordan University of Science and Technology (JUST)	Eng. Salaheddin Abu Yahya
12:30-12:40	Mutah University (MU)	Prof. Omer Maaitah
12:40-12:50	Tafila Technical University (TTU)	Dr. Wa'el Adaileh
12:50-13:00	Al-Balqa Applied University (BAU)	Dr. Ma'moun Abdullah Ali Al-Smadi
13:00-13:10	Al-Hussein bin Abdullah II Technical University (HTU)	Dr. Muhannad Al-Tarifi
13:10-13:20	Applied Science University (ASU)	Dr. Mohammed Bani Khaled
13:20-13:30	Al-Zaytoonah University of Jordan (ZUJ)	Dr. Loai Dabbour
13:30-13:40	The University of Jordan (UJ)	Prof. Ahmed Al-Salaymeh

13:40-15:00 Lunch



Session 6

Chairman: Prof. Ahmed Al-Salaymeh

Moderator: Eng. Dania Sreihin

15:00-15:30	<p>WP8: Project Management Plan, Presented by Prof. Ahmed Al-Salaymeh, UJ</p> <ul style="list-style-type: none"> ✓ Management and Operational Structures and running the project ✓ Financial Management ✓ Reporting (Progress, Intermediate, and Final Reports) ✓ Upcoming Meetings
15:30-16:00	<p>Activities ECO-CAR Upcoming Work plan, Presented by Prof. Ahmed Al-Salaymeh, UJ</p>
16:00-16:30	Coffee Break
16:30-17:00	Conclusion of the 2 days and summary
17:00	End of the 2nd day



Third Day
17th March 2023
09:00-14:30

09:00-09:30 Registration

Jordanian Partners Meeting
Chairman: Prof. Ahmed Al-Salaymeh
Moderator: Eng. Dania Sreihin

09:30 - 09:45 **Workshop introduction speech, by:**
Prof. Ahmed Al-Salaymeh, ECO-CAR General Project Coordinator, UJ

09:45 – 14:00 **Workshop**

Courses Implementation Presentations by Partner Universities in Jordan

Time	Partner Name	Presenter
09:45 – 10:00	The University of Jordan (UJ)	Prof. Ahmed Al-Salaymeh
10:00 – 10:15	Jordan University of Science and Technology (JUST)	Eng. Salaheddin Abu Yahya
10:15 – 10:30	Mutah University (MU)	Prof. Omer Maaitech Dr. Mohammad Almajali
10:30 – 10:45	Tafila Technical University (TTU)	Dr. Wa’el Adaileh Dr. Ahmed Mustafa
10:45 – 11:00	Coffee Break	
11:00 – 11:15	Al-Balqa Applied University (BAU)	Dr. Mamoun Al-Smadi
11:15 – 11:30	Al-Hussein bin Abdullah II Technical University (HTU)	Eng. Yousef okour
11:30 – 11:45	Applied Science University (ASU)	Dr. Mohammed Bani-Khaled
11:45 – 12:00	Al-Zaytoonah University of Jordan (ZUJ)	Dr. Loai Dabbour Dr. Nabeel Abu Shaban

12:00 - 12:30 **Discussion**

12:30 – 13:00 **Workshop Conclusion and Summary**

13:00 – 14:30 **Lunch will be served in the restaurant outside the university**