

# MINUTES

## Athens, Greece, 25 September 2019

### Workshop 1, Study Visit 1

#### Introduction

The EMOBICITY kickoff meeting was organized by CRES, the project Lead Partner, and took place in Athens, Greece, at the Electra Palace Hotel in 24 September 2019. The first project meeting was followed by Workshop 1 on the topic “Legislative amendments to overcome current obstacles for e-mobility integration” at the Electra Palace Hotel and by Study visit 1 on pre-selected areas of Athens, both as back-to-back events in 25 September 2019.

#### Minutes of Workshop 1

The first project workshop on the topic “Legislative amendments to overcome current obstacles for e-mobility integration” was held at the Electra Palace Hotel in 25 September 2019 from 9:00 – 12:00. All project partners attended the workshop along with Greek stakeholders from the policy, academia, public and private sector, adding up a total of approximately 50 participants.

The workshop presentations and guests were oriented to legal frameworks and legislative amendments for the promotion of e-mobility, but also reached other electro-mobility issues, as it was the first EMOBICITY workshop organized, playing simultaneously an e-mobility introductory role. The workshop started with a welcome session by Mrs. Maria Zarkadoula, the Head of the Environment & Transport Department of CRES; leader of the EMOBICITY project. Mrs. Alexandra Sdoukou, the General Secretary of Energy & Mineral Resources of the Greek Ministry of Environment & Energy followed. She welcomed EMOBICITY and noted that this project serves the governmental priorities regarding electric mobility, which are: setting a realistic national target about the percentage of electro-mobility in the Greek market, adoption of appropriate measures and incentives, as well as making the most of all available financial tools. The exchange of experience through EMOBICITY can put national decisions on the right track and best practices of other countries can be successfully adopted by Greece, i.e. free access of electric vehicles to ferries in Norway. Then, Dr. Spyros Oikonomou, the President and General Director of CRES was also very pleased with the launch of the EMOBICITY project, as it will contribute to the national environmental and energy targets.

Afterwards, Dr. Stavros Papathanasiou from the National Technical University of Athens (NTUA) took the lead to present “The framework of the electricity mobility market in Greece - The recent survey of Regulatory Energy Authority”. Specifically, he analyzed the proposal No 2/2019 of the Greek Regulatory Authority for Energy (RAE) in compliance to the recast internal electricity market directive (EU) 2019/944. He explained the Greek legal and regulatory framework for e-mobility under development and the main issues pending for settlement, such as tendering procedures, concession details, market regulation, roaming and interoperability, service pricing model, etc. He also defined the lack of other relative schemes at a national level, like the standardization of specifications for charging at private spaces and the resolution of metering and billing in private properties with multiple tenants. Another example regarding lack of framework was that charging services for free provided by municipalities versus charging fees by private companies and investors needs to be regulated somehow. Finally, he also proposed potential incentives to be considered by the Government and the policy and decision makers.

Mr. Constantinos Maganiotis, the Sub-head of Metering Systems Network Department at the Hellenic Electricity Distribution Network Operator (HEDNO), presented the special role of HEDNO at the integration of e-mobility at national level, as well as its role regarding legal issues. He explained the regulatory framework from another point of view, as HEDNO should be ready to serve all applications for connections to the electric grid, as well as to develop and control sufficient national electric vehicle supply equipment (EVSE) public infrastructure, if there is lack of interest from potential investors at the market. He also provided HEDNO's technical recommendations to be considered, such as registration of charging stations and open protocols for interoperability.

Then, Mr. Manuel Krieg, from the Regional Management of North Hesse GmpH, partner of the EMOBICITY project, presented the state of play for e-mobility in Germany and the current legislative framework, in the terms of experience and practices exchange. He mentioned the need of continuous changes at the tenant law and the good practice of establishing e-highways. At the time being, Germany works on the establishment of monitors at the charging stations, so as for the consumers to know how much they are going to pay before charging their electric vehicles. This initiative inspired other participating countries to consider charging meters a priori in their regulatory frameworks.

Last but not least, Dr. George Spyropoulos, from the Lab of Soft Energy Applications & Environmental Protection at the University of West Attica, presented the "Energy Balance Analysis for Tilos Island PV Station used for EV-charging on the basis of Net-metering". He focused on the twice awarded best practice of the Tilos Greek Island and analyzed the implemented clean-green energy solution including EV-charging. He analytically mentioned the PV charging station installation procedure at the island and highlighted bureaucracy issues, as the licensing procedure was completed after 10 months.



*Photo 1: EMOBICITY Workshop 1, Electra Palace Hotel, 25/09/2019 © CRES*

### Minutes of Study Visit 1

The first project study visit was held in 25 September 2019 from 12:00 – 15:00, after the project workshop. All partners attended the study visit. They met at the Electra Palace Hotel lobby and boarded on a bus to visit the autonomous PV recharging station at the University of West Attica. Dr. George Spyropoulos, from the Lab of Soft Energy Applications & Environmental Protection, demonstrated the station and answered to lots of mainly technical questions. He also presented the electric utility van of the University, equipped with specialized meters, used for research purposes such as environmental measurements.



Photo 2: EMOBICITY Study Visit 1, University of West Attica, 25/09/2019 © CRES



Photo 3: EMOBICITY Study Visit 1, University of West Attica, 25/09/2019 © CRES

The study visit was continued and completed at the Agricultural University of Athens, where Dr. George Papadakis, Professor of Renewable Technologies, demonstrated the university electric bus and bicycles, powered from autonomous PV charging stations. The electric vehicles were obtained by the Greek Green Fund through public tender, to serve the transport of students from the metro to the university, raising their environmental awareness. It was the first time that an e-bus was provided with traffic license, surpassing respective bureaucracy issues. In addition, the participants had the chance to drive an e-bicycle at the university premises.



*Photo 4: EMOBICITY Study Visit 1, Agricultural University of Athens, 25/09/2019 © CRES*



*Photo 5: EMOBICITY Study Visit 1, Agricultural University of Athens, 25/09/2019 © CRES*

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