



LIFE E-VIA

“Electric Vehicle noise control by Assessment and
optimisation of tyre/road interaction”
LIFE18 ENV/IT/000201



MINUTES OF THE ONLINE MEETING

held on 11th October 2021 from 10.30 a.m. to 12.30 p.m.

Participants

Filippo Giammaria Praticò, Antonino Vitetta, Giuseppe Colicchio, Gianfranco Pellicano, Rosario Fedele, Eliana Zappia, Paolo Crucitti, Gaetano Licitra (UNIRC) *In presence*

Arnaldo Melloni, Gessica Pecchioni, Iacopo Bianchi (FI) *In presence*

Raffaella Bellomini (VIENROSE) *In presence*

Chiara Bartalucci, Sara delle Macchie, Giulia Iannuzzi (VIENROSE) *on-line*

Julien Cesbron (UNI-EIFFEL) *on-line*

Marie-Agnès Pallas (UNI-EIFFEL) *on-line*

Carsten Hoever (CRD) *on-line*

Francesco Bianco (IPOOL) *on-line*

Agenda

10:30 Introduction

10:45 Updates of action plans (partners' presentations)

11:30 Coffee break

11:45 Expomove in Florence

12:05 Reggio Contest (date, schools, Committee)

12:25 Adjourn (next meeting, other business)



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Introduction

Filippo Praticò (UNIRC) welcomes all the participants in presence and online and the students of the Lyceum Alessandro Volta with the Professor Antonella Nocera.

The Pro-Rector for the teaching of the University Mediterranea of Reggio Calabria welcomes all the participants. He underlines the relevance of the main topics of the LIFE E-VIA project in achieving environmental sustainability and improving sustainable mobility.

Each partner introduces itself and gives an overview about the project's actions of its responsibility. In particular:

- Raffaella Bellomini (VIENROSE) introduces Vie en.ro.se Ingegneria and its role in the LIFE E-VIA project. She mentions the pilot case in Florence.
- Francesco Bianco (IPOOL) introduce iPOOL and details its technical role in the project
- Julien Cesbron (UNI EIFFEL) introduces University Gustave Eiffel and gives an overview of technical actions it is in charge of.
- Arnaldo Melloni (FI) presents the role of the Municipality of Florence in the project, in particular he points out that the city hosts the project's pilot case.
- Carsten Hoever (CRD) introduces Continental and the role it has in the project. He points out that the main tasks regard the design and realization of low-noise tyres.
- Filippo Praticò details the two main tasks the University has in the project, namely the design of the low-noise asphalt and the carrying out of the Life Cycle Assessment and Life Cycle Costs assessment.
- A student of the Scientific Lyceum Alessandro Volta thanks the project partners for the invitation to the meeting and to the possibility to contribute to the project in general.

Updates of Action plans

Francesco Bianco (I-POOL) reports that action B4 is ongoing. He details the various kind of acoustic testing that are going to be performed in the current week in the pilot case in Florence. The main aims of the measurements are to evaluate new kind of tyres prototypes produced by Continental, to evaluate the acoustic absorption property of the asphalt and to assess the new asphalt performances.

Arnaldo Melloni (FI) informs that the interventions in the Pilot case in Paisiello street have taken place in mid July 2021.

Julien Cesbrons and Marie-Agnès Pallas (UNI-EIFFEL) share a presentation detailing actions' updates since the last meeting. Particularly, Marie-Agnès Pallas presents the preliminary results of B2.4 action which focuses on testing the six versions of prototype tyres provided by Continental, in order to optimize them for electric vehicles. Pass by-measurements were carried out in August 2021. She specifies that concerning the measurements carried out at constant speed, all tyre versions have provided lower noise levels than conventional ones and V2 type achieved the best performances, while in full accelerating conditions the same V2 type turned out to be the most performing.



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Julien Cesbron presents the updates regarding dissemination actions (Sub-actions D1-3, D2-2). As regards the Sub-action D1.3 the video on the prototype construction has been already finalized.

Chiara Bartalucci (VIENROSE) gives an updating about actions B5 and C1. About Action B5.3, she informs that since the pilot case selected in the original project proposal changed and in the new pilot street no bus lines are present, the typology of survey and the questionnaires template were modified accordingly. In particular, instead of carrying out the survey on electric busses, an ante and post operam questionnaire has been submitted to Paisiello street's residents to evaluate their soundscape perception before and after the pilot intervention realization.

Moreover, she shows the template of the ante- and post-operam questionnaires for the survey with residents of the pilot case (Action 5.3). She also shows preliminary data of the surveys.

She informs that action B5.1 - Soundwalks and interview is going to be anticipated.

Moreover, although not foreseen in the original proposal, it has been considered crucial to carry out a noise monitoring campaign, in order to evaluate the impacts of the interventions carried out in the pilot case. Ante-operam and post-operam measurements have been carried out in two monitoring positions in via Paisiello. The ante-operam noise measurement campaign was carried out by VIENROSE (23rd June – 1st July 2021) and the post-operam one was carried out by IPOOL (17-28th September 2021). Data analysis is ongoing.

Regarding Action C1 she remembers that each partner has to evaluate several indicators. Regarding the visits to the project website, she remembers that on a trimestral base VIENROSE prepares a report, which is regularly published on the project website, including several information. Regarding the participation to events organized by the project, she says that several information are available regarding the webinar “Electric mobility and low-noise asphalts: The LIFE E-VIA project and other contributions” held on May, 14.

Sara delle Macchie (VIENROSE) reports on the updates regarding dissemination actions, communication and awareness rising.

Hoever Carsten (CRD) points out the importance of carrying out a holistic analysis of the performance of the new tyres which also consider market and customer acceptance. He shows the simulations results of the tests conducting under Action B 7. He specifies that detailed analysis is still ongoing. Then he gives updates on dissemination actions.

Filippo Praticò (UNIRC) informs that data about noise impacts and social impacts of the interventions in the pilot case are being gathered and delivered by other project actions. These data will be input data for LCA and LCC analysis (Action C2). Regarding dissemination activity, he informs that a new paper has been submitted to Euronoise 2021.

ExpoMove in Florence

Arnaldo Melloni presents the ExpoMove International Conference that will be held in Florence on 13th and 14th October 2021 as an important chance to disseminate the project. ExpoMove will on focus on electric and sustainable mobility and will bring together many representatives of public administration and stakeholders.



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Two presentations, one by Arnaldo Melloni and the other by Filippo Praticò, have been scheduled in order to disseminate the LIFE E-VIA project. These presentations will be successively shared to all partners.

Chiara Bartalucci shows the ExpoMove programme: Filippo Praticò presentation will be held the first day, while Arnaldo Melloni will give his speech during the second day of the conference, both interventions are scheduled in the afternoon. Chiara Bartalucci also informs that a stand will be set up with a monitor where videos about the project will be showed and noticeboards about the project pilot case in Florence and laboratory experiments on asphalt concrete will be showed. A leaflet with a brief presentation of the project and its actions has been also prepared and will be distributed to visitors.

Raffaella Bellomini (VIENROSE) informs that on 12th -14th May 2022 the ExpoMove international exposition will be held in Florence. This event will coincide with the EV Festival of the project and all partners are invited to actively participate.

Reggio Contest

Filippo Praticò welcomes the Scientific Lyceum A. Volta which has already accepted to take part in the competition. As regards the organization and scheduling of the competition, the following deadlines suggested by Filippo Praticò are agreed by all partners: i) by the end of October 2021 all the schools will be contacted; ii) the editing and issuing of the Contest Call will be finalized by the end of November 2021, iii) the deadline for receiving students' applications for the contest will be the end of February 2022 in order to be able to present the outcomes during the Expomove international exposition in May 2022.

Regarding the Evaluation Committee, Filippo Praticò proposes to appoint one representative per partner. Arnaldo Melloni, Julien Cesbron, Raffaella Bellomini, Francesco Bianco and Carsten Hoever agree to be members of the Evaluation Committee.

According to the original proposal, as a prize for this contest, the winners (students and one accompanying person) would visit the laboratory for tests on road, railways and airport materials of UNIRC, and CRD's R&D facilities in Hanover. Raffaella Bellomini suggests to give to the context's winners the possibility to participate in presence to the event. The partners agree to postpone the decision about the destination of the trip (whether Florence or the destinations foreseen in the project proposal).

Other business

Raffaella Bellomini reminds all partners to send the missing financial reports.

Firenze, 12th October 2021