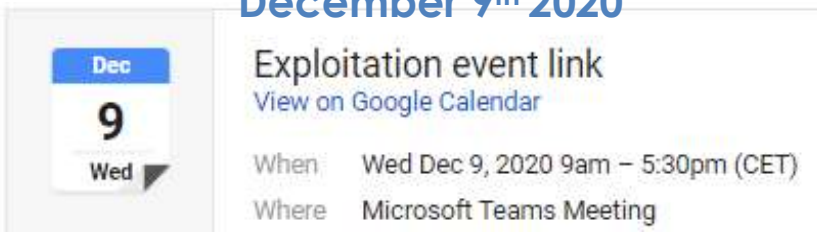
# Exploitation Webinar

## December 9th 2020




Partners of the "Care-Service" EU project, through a dedicated webinar, wish to meet companies, universities, research, technology centers and other economic operators interested in projects results for future replication, potential partnerships or inspiration for their business and activity.

In the event, first interesting results will be presented and there will be the opportunity to meet virtually project partners to provide feedbacks and suggestions for further development, express interest to be involved as "tester" or "first replicators", as well as to start establishing relationships for future eventual partnerships.

The webinar will constitute an excellent opportunity for networking of and for accessing the CarE-Service community.

| Time | Topic | Speaker |
|---|---|---|
| 09.30 - 09.45 | Welcome and introduction to the webinar | FCA |
| 09.45 - 10.00 | Project context, main objectives and results achieved | CNR |
| 10.00 – 10.45 | ICT platform and Smart Mobile Modules for parts disassembly and testing | C-ECO & PRODIGENTIA |
| 10.45 - 11.30 | Technopolymers recycling solutions | RADICI GROUP |
| 11.30 - 12.15 | Metals reuse solutions | FRAUNHOFER INSTITUTE |
| 12.15 - 13.00 | Batteries reuse/recycling solutions | ENVIROBAT |
| 14.30 - 15.15 | New electric mobility services | E-VAI |
| 15.30 - 16.30 | Conclusion and final discussions of the overall Exploitation webinar | CNR & FCA |

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## Project Summary

CarE-Service is a project funded by the European Commission in the H2020 Framework Programme (Grant Agreement n. 776851) aimed at establishing innovative Circular Economy business models for hybrid/electric vehicles and advanced mobility services based on them. The project consortium includes following 15 beneficiaries:

- CONSIGLIO NAZIONALE DELLE RICERCHE, Coordinator, Italy
- LINKOPINGS UNIVERSITET, Sweden
- ENVIROBAT ESPANA SL, Spain
- PRODIGENTIA - TECNOLOGIAS DE INFORMACAO SA, Portugal
- AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS, Spain
- CIRCULAR ECONOMY SOLUTIONS GMBH, Germany
- COBAT, CONSORZIO NAZIONALE RACCOLTAE RICICLO, Italy
- FIAT CHRYSLER AUTOMOBILES ITALY SPA, Italy
- RADICI NOVACIPS SPA, Italy
- IMA MATERIALFORSCHUNG UND ANWENDUNGSTECHNIK GMBH, Germany
- FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V, Germany
- AVICENNE DEVELOPPEMENT, France
- CIA AUTOMATION AND ROBOTICS SRL, Italy
- E-VAI SRL, Italy
- JRC -JOINT RESEARCH CENTREEUROPEAN COMMISSION, Belgium

Hybrid and electric vehicles have the potential to revolution future transportation habits in the direction of reducing environmental impacts and transportation costs. However, their current diffusion and adoption trend is still limited due to several barriers, such as the high cost of vehicles, their limited performance, the lack of supporting infrastructure, and customers' reluctance, etc. In addition, the issue of recovering hybrid and electric vehicles has not been addressed in a systemic way in Europe, with obvious loss of opportunities both in economic and environmental terms. The CarE-Service project aims at demonstrating innovative circular economy business models based on advanced mobility services exploiting hybrid and electric vehicles. New mobility services will consist of performance based, non-ownership based offerings that are highly customized for different customer segments. Such services will improve customer mobility experience and quality of life, while at the same time reducing the cost of transportation and the overall environmental impact. They will guarantee a return flow of electric vehicles for circular economy business. The business models will entail also re-use, remanufacturing and recycling of components and materials of hybrid and electric vehicles for applications in the automotive sector and in others.

Enabled by the project results, the life cycle cost of electric vehicles will be reduced significantly and will give the opportunity to mobility service providers to offer new generation of highly customized services to a wider customer base. Mobility services offered to customers will generate a demand for fleet maintenance/repair and for end of life treatment. In addition, certified reusable, remanufactured and recycled parts can be bought also by the OEMs, that can offer low-cost guaranteed versions of remanufactured cars for car sharing, leasing and renting companies. To conclude, customer mobility experience and quality of life will be improved, while reducing at the same time the cost of transportation and the overall environmental impact. They will guarantee a return flow of electric vehicles for circular economy business.