WEBINAR: The Circular Metal for Future Mobility: aluminium for light weight and sustainability
6 October 2023 – 09:30-13:00 CEST

Join us: registration open until 5 October

The Innovation Hub of European Aluminium is organising a half-day webinar within the EU-funded project SALEMA. This webinar will showcase a range of innovative EU-funded research projects that are developing novel ways to use aluminium and other advanced materials in vehicles, to enhance weight reduction, crash resistance, and overall sustainability.

Representatives of the aluminium and automotive industries, relevant academic and technical fields, or anyone interested in the topics presented is welcome to register to join the event.

Why take part?

The webinar discussion will be moderated by two experts with extensive knowledge and experience in the aluminium and automotive industry: Philippe Meyer, co-chair of the Innovation Hub of European Aluminium and Senior Vice President and Chief Technology Officer of Novelis; and by Carla Barbatti, who leads the Alloy & Process Development Team in Constellium Automotive Structure & Industry.

The session will feature speakers from:

- **International Magnesium Association** – on magnesium as a critical raw material (CRM);
- **European Aluminium** – on latest trends in aluminium usage in cars.
- **SALEMA** – on novel aluminium alloys to minimise use of primary-source CRMs while maximising their sourcing from scrap metal recycling, to create a sustainable circular economy and reliable future source of high-quality alloys.
- **Fatigue4Light** – on new tests and simulation methods to estimate vehicle chassis components' fatigue life and select optimal materials for lighter chassis, applying new materials and taking into account eco-design and circular economy aspects.
- **FLAMINGo** – on optimising automotive component design and manufacturing processes, including developing alloying, improving casting, extrusion and welding for alloys produced from scrap and other sources, and proving the safe recyclability of alloy components.
- **Flexcrash** – on developing flexible, hybrid manufacturing of crash-tolerant, green aluminium alloy structures. Objectives are to reduce weight, increase safety and optimise crash performance of current and future vehicles.

Registration

Registration is open and will close on 5 October at 13:00 CEST – **register here**.
A registration confirmation and meeting link will be provided a few days before the event.

If you have any questions or otherwise wish to contact the organisers, please email Francesca Cavezza - **cavezza@european-aluminium.eu**.

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AGENDA (final)

Time (CEST)	Session	Speaker
09:30-09:45	Introduction	Christian Leroy and Francesca Cavezza, European Aluminium
09:45 – Session 1: Setting the scene on the importance of aluminium in cars, critical raw materials and SALEMA EU project. Moderator: Philippe Meyer, Novelis		
09:50-10:15	Primary & secondary magnesium material flows - challenges and opportunities	Martin Tauber, International Magnesium Association
10:15-10:40	Latest insights: aluminium content in European cars	Patrik Ragnarsson, European Aluminium
10:40-11:05	SALEMA: New aluminium alloys for a circular electric mobility	Manel da Silva López, Eurecat
11:05-11:25	COFFE BREAK (stay connected)	
11:25 – Session 2: Exploring other relevant EU projects. Moderator: Carla Barbatti, Constellium		
11:30-11:55	Aluminium innovation for EV chassis components: hybrid solutions developed in the Fatigue4Light project	Lucia Barbu, CIMNE
11:55-12:20	FLAMINGo: circularity, feasibility and effects of nanoparticle inclusion in aluminium alloys	Alvise Bianchin, MBN
12:20-12:45	Flexcrash: new generation of crash-tolerant structures	Sergi Parareda Oriol, Eurecat Andoni Agirre Mentxaka, Gestamp
12:45-13:00	Conclusion	Christian Leroy, European Aluminium with Philippe Meyer, Novelis & Carla Barbatti, Constellium