

FLAMINGO

Fabrication of Lightweight Aluminium Metal matrix composites and validation In Green vehicles

9th PRESS RELEASE

The Circular Metal for Future Mobility Webinar

Online, 6 October 2023

Led by Innovation for Sustainable & High-Performance Automotive Materials, the FLAMINGO project aims to provide a wider portfolio of sustainable materials



The [FLAMINGO Project](#), participated together with [Fatigue4Light](#) and [Flexcrash](#) in the recent webinar 'The Circular Metal for Future Mobility,' organized within the framework of the EU-funded [SALEMA project](#).

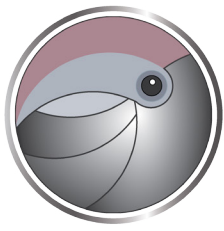
The webinar, which took place online on October 6, 2023, focused on groundbreaking research advances in aluminum and advanced materials and was led by experts in the field. The event focused on a shared commitment to a greener and more sustainable future for the mobility sector.

With a keen focus on the development of high-performance alloys, reducing reliance on critical raw materials, and

streamlining the recycling process. Dr Christian Leroy, Director of Innovation at [European Aluminium](#) stated that "This webinar highlights the power of collaboration in driving a sustainable future".

Representatives from the FLAMINGO Project and other pioneering EU-funded initiatives convened to discuss and share current advancements.. Dr Martin Tauber, European Representative of the [International Magnesium Association \(IMA\)](#), highlighted the potential for beneficial coexistence between magnesium and aluminium, recognizing the imperative need to decarbonize the value chain for sustainability.





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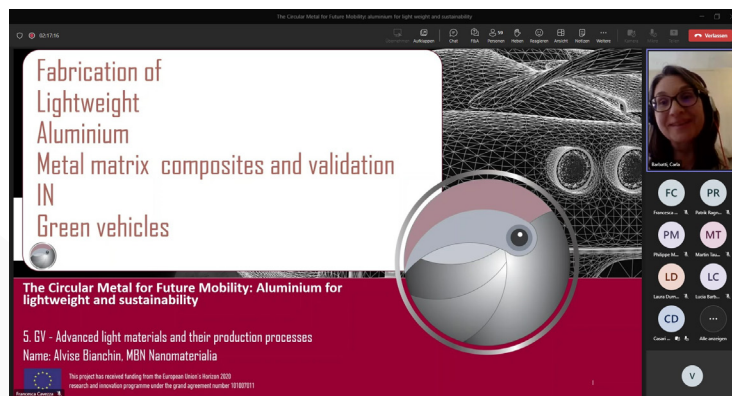
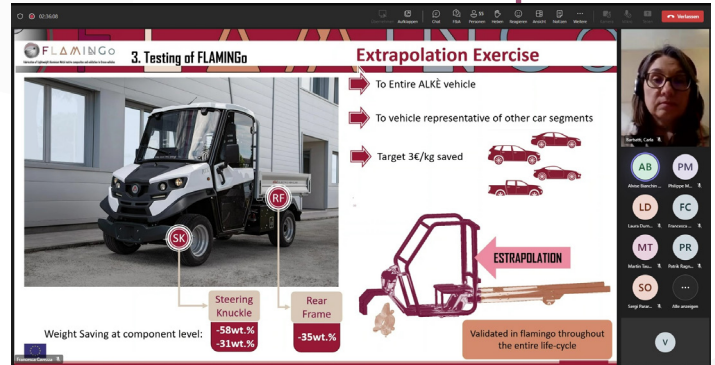
Mr Patrik Ragnarsson, Director of Mobility and Strategic Projects at European Aluminium Association, emphasized the burgeoning demand for aluminium in European cars, projecting a substantial industry growth by 2030. The need to bolster European production for a more sustainable approach gained precedence during the discussions.

The FLAMINGo Project, focuses on the integration of aluminum alloys enriched with nanoparticles, while optimising automotive component design and manufacturing processes. Dr Alvise Bianchin, representing the project, explained, "FLAMINGo aims to provide the automotive industry with a wider portfolio of sustainable materials, enhancing alloys strength and reducing the use of critical raw materials."

The webinar emphasised on how collaborative projects like SALEMA, Flexcrash, Fatigue4Light and FLAMINGo are essential, each contributing distinct expertise to achieve greener, more sustainable mobility through enhanced materials, manufacturing processes, and recycling efforts.

Key speakers, including Mr Philippe Meyer from Novelis and Dr Carla Barbatti from Constellium, accentuated the urgency for rapid material evaluation, metallurgical advancements, and scaling-up technologies for new solutions, painting a collective vision for a more eco-conscious automotive landscape.

The comprehensive event served as a catalyst for promoting a circular economy and fostering advanced materials that redefine the future of mobility. The FLAMINGo Project, with its innovative approach of developing high-performance lightweight aluminium composite material, is actively working towards this transformative journey.



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presentations and [videos](#)

