

## The Project

In European process industries, a huge amount of energy and resources are utilized to produce large quantities of material yearly. In metal production processes, the recycling of metallic scrap from end-of-life products is environmentally and economically beneficial. The use of recycled materials as feedstock reduces resource consumption and significantly cuts energy consumption and CO2 emissions in metal ore reduction. However, metal-producing facilities now face increasing variability in secondary raw materials and energy sources. In REVaMP different plant retrofitting solutions have been developed: Scrap analysis sensors for improved in-line analysis of metal scrap, optimal feedstock selection for material and energy efficiency, scrap preheating systems to enhance melting energy efficiency, and model-based software tools for optimal process monitoring and control.

**Save the Date! 19.10.2023**  
Participation is also possible via MS Teams!

## Register:

To attend this free hybrid webinar, registration is required before 10.09.2023:

The registration for the teams participation is valid until 16.10.2023.

<https://www.bfi.de/en/2023/07/31/revamp-final-exploitation-workshop/>



## Agenda:

- 09:00 Welcome address at ILT
- 09:10 General introduction of the REVaMP project
- 09:20 Software solutions for charge mix and process optimisation
- 09:50 Software solutions for process monitoring and control
- 10:20 Discussions & Questions Part I
- 10:30 Coffee Break
- 10:40 Scrap Preheating System
- 11:00 AluQ® Melt Quality Equipment for aluminium alloys
- 11:20 Neutron Sensor for metal scrap analysis
- 11:50 Presentation of LIBS Sensor for metal scrap analysis
- 12:20 Discussions & Question Part II
- 12:30 Lunchbreak
- 13:00 Visit of ILT Laboratories & LIBS Live Demo  
Visitors will be divided in two groups.
- 14:30 End of Workshop



## Consortium: