



A word from the coordinator

PLATIRUS 1st reporting period has been opened (M18) and consortium prepare scientific and financial reports to submit to the commission. The PLATIRUS project has proceeded as foreseen with input materials sampling (auto-catalysts, WEEE, tailings), deliveries and characterization. The leaching process development, separation, and recovery processes have started for the PLATIRUS input materials by all R&D partners (TECNALIA, VITO, TU Wien KUL, SINTEF) and results were discussed. The PLATIRUS pre-selection of technologies was carried out on 2nd March, 2018 at VITO facilities by narrowing down the possible routes, and the needs for demonstration activities were discussed. Thanks to all partner's hard work, we are on time for the pre-selection of technologies due in M24 as PLATIRUS 4th milestone. The next meeting (M18 – 1st review meeting and progress meeting) will be held on 24-25th May, 2018, in Leuven, Belgium.



PLATIRUS at CRM week

The PLATIRUS project was one of several EU funded projects to present at the conference, and highlighted the plethora of approaches the EU has invested in order to protect the security of CRM supply and further develop sustainability in the resource sector. The conference saw attendance by many stakeholders, projects and policy makers, who shared their views on the direction needed by the European Community to improve circular value chains, deliver sustainable resource consumption,

as well as responsibility for critical materials (both in terms of sustainable and social responsibility). The CRM list is ever evolving along with innovation needs, market dynamics and issues with resource pressures foreign policies. The day gave rise for networking and discussions about moving forward with resource issues, and highlighted the need for greater responsibility at the end-of-life phase for materials and products in order to maintain the best opportunities for recovering CRMs.



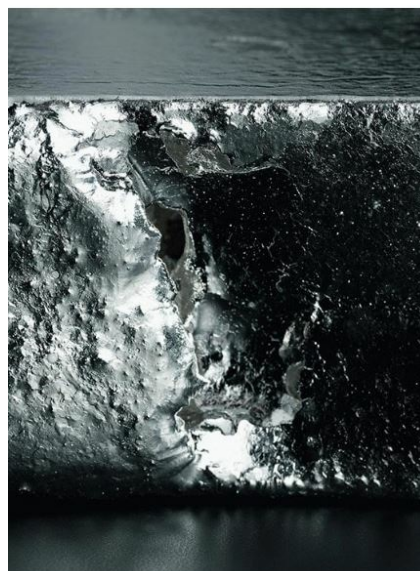
Selective chlorination

SINTEF has investigated the possibility of selective chlorination of the PGM elements contained in spent catalyst samples, without pre-treatment (up-concentration) of the material, using a molten salt media as reaction media.

[Read More](#)

Separation R&I chemistries and technologies

PLATIRUS developed the environmental and economic assessment for the second of the three-step process for the recovery of PGMS, which is 'Separation'. Now the output solution from step 1, the leaching phase, is used and PGMs are further separated from other materials and from each other. [Keep Reading](#)



Key Hazards and Risks associated with the handling of platinum compounds

A publicly available report on the key hazards and risks associated with the handling of platinum compounds within a research and development environment has been released [add reference to where it is available]. This report focusses on the aspects requiring local assessment and consideration for laboratories handling Complex Halogenated Platinum Salts (CHPS), along with industry best practice for mitigating the associated risks. The key mitigation strategies for mitigating exposure and monitoring strategies are discussed, including:

- Substitution or elimination of hazardous compounds
- Provision of engineering controls to prevent exposure
- Monitoring the workplace to demonstrate the effectiveness of engineering controls
- Monitoring personnel during high risk tasks to demonstrate protective measure are suitable
- Monitoring employees health effects *via* medical assessments
- Training employees on the health effects of CHPS
- Provision of suitable personal protective equipment

Upcoming events

- **Mining and mineral information in the EU workshop** | 23 - 26 May 2018 | Madrid, Spain
- **Social Acceptance in the European Raw Materials Sector** | 5 June 2018 | Brussels, Belgium

Learn more about PLATIRUS

[VISIT WEBSITE](#)



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