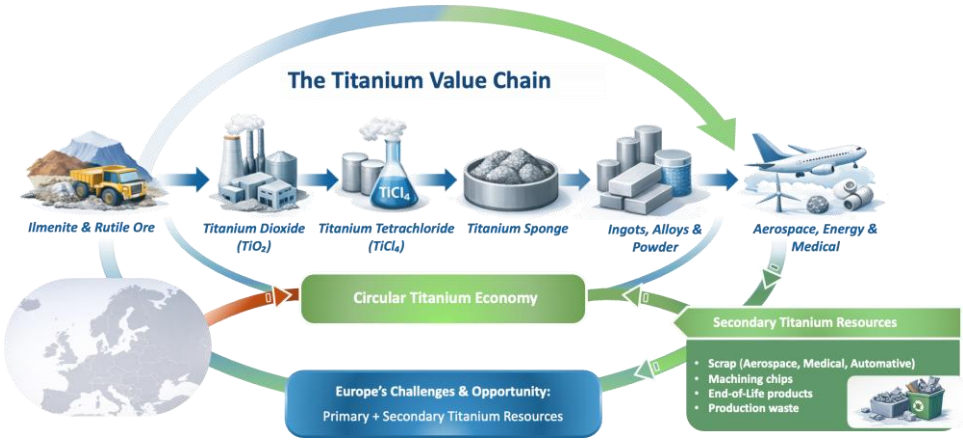
Understanding the Titanium Value Chain:
Indispensable for high quality and traceable applications

Europe provides primary resources from ilmenite and other Ti-rich minerals, with further exploitation potential. Europe is part of the top producers of Ti dioxide pigments, however lacking Ti-metal production (both sponge and ingots) which is crucial for civil and defense applications in industrial, aeronautic, automotive and medical sectors.

The future for a prosperous European titanium industry, including powder metallurgical applications, must be based on a continuous and reliable Ti supply and high quality, sustainable and traceable Ti intermediate products.

The EURO-TITAN-REPTiS-AVANTiS workshop will focus on the entire titanium value chain, highlighting the importance of reducing Europe's titanium import dependency through low-carbon, responsible extraction of under-exploited domestic resources, thereby supporting a more resilient and eco-responsible powder metallurgy sector.



The event will propose lectures and a panel discussion on major challenges and solutions for European Ti industries.
The target audience are young career scientists (Master and PhD students), and engineers from academia, government and industries who are interested in metal supply chains on the example of titanium. The goal of this workshop is to develop personal skills and competencies across the Ti value chain.

TOPICS

- Titanium mining from primary resources
- Titanium in secondary resources
- Challenges in beneficiation
- Conventional and 'green' alternative processing
- Challenges in refining: from sponges to Ti-alloys and Ti- powders
- Predictive maintenance and in-line process optimization
- Titanium applications
- Titanium market: Europe in the International scene
- Closing the loop: Titanium recycling and byproducts
- Social License to Operate (SLO) / Public Acceptance for titanium mining and processing in Europe

Practical information

The workshop will be held during the EPMA EuroPM European Congress and Exhibition on powder metallurgy (11th to 14th October 2026) in Budapest, Hungary, on 14th October 2026 (8H30 to 15H30). It will be free of charge, but registration is required using the link: Ti Workshop Euro PM2026 and a registration to the EuroPM congress (at least as "Exhibition visitor", that is free of charge).

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Detailed programme

The programme is subject to changes!

Workshop
"Understanding the Titanium Value Chain:
indispensable for high quality and traceable applications"

14/10/2026 - Sessions 48, 55, 62 - Room F8				
8:30	8:40	Welcome and introduction by the Chairs	- AVANTiS-EUROTITAN-REPTiS	0:10
8:40	9:00	Titanium market, applications, perspectives and expectations	Henk van der Laan - Van der Laan International Consultancy	0:20
9:00	9:20	Processing-oriented fragmentation by blasting: A Ti-magnetite case study	José A. Sanchidrián - Universidad Politécnica de Madrid - ETSI Minas y Energía	0:20
9:20	9:40	Titania: Producer of titanium minerals in Europe for more than a century, with reserves expected to last until the end of this century	Knut Petter Netland - TITANIA AS	0:20
9:40	10:00	Velta Holding: Strengthening EU Titanium Resilience through Ukrainian Feedstock	Andriy Gonchar - Velta Holding	0:20
10:00	10:20	Beyond Titanium: Unlocking Value in Side Streams	Caroline Strnad - Montanuniversität Leoben	0:20
10:20	10:50	Coffee break	-	0:30
10:50	11:10	From Ilmenite to Low-Carbon Titanium Alloy Powders: The Velta Ti Process in the Titanium Value Chain	Andriy Gonchar - Velta RD Titan	0:20
11:10	11:30	Production of Titanium-rich Slag and Metallic Iron from Bauxite Residue by Hydrogen Metallurgy	Patrik Piehl / Christian Adam - Bundesanstalt für Materialforschung und -prüfung	0:20
11:30	11:50	Titanium powder production and powder characteristics	Gerald Poellmann - Metalpine GmbH	0:20
11:50	12:10	Titanium's Invisible Bill: External Costs, Sustainability, and Industrial Decision-Making	Yashvi Baria - RWTH Aachen	0:20
12:10	13:45	Lunch	-	1:35
13:45	14:05	Flow of Ti-powder through the PBF manufacturing process- from purchase to recycling	Thomas Hansson - GKN Aerospace	0:20
14:05	14:25	Challenges of ensuring supply chain stability without compromising performance requirements for medical and aviation applications	Tim Marter - Element22	0:20
14:25	15:25	Panel discussion: Future of the Ti Supply Chain in Europe Moderators: B. Orberger (Catura, EUROTITAN), B. Vicenzi (EPMA, REPTiS)	Panellists - P. Piehl (BAM), H. v.d. Laan (Van der Laan International Consultancy), T. Hansson (GKN Aerospace), T. Marter (Element22), K. P. Netland (TITANIA AS)	1:00
15:25	15:30	Conclusions	- AVANTiS-EUROTITAN-REPTiS	0:05

Organizing Committee

Bruno Vicenzi (EPMA, France); Beate Orberger (Géosciences Conseils-Catura Geoprojects, France); Anna Kritikaki (TUC, Greece); Hamid Yousefi (EPMA, France), Kenan Boz (EPMA, France), Nicole Vendemmia (EPMA, France)Rabab Nasser (KU Leuven, Belgium)

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