

LEARNING EXPEDITION #4

PRACTICAL INFORMATION

BOOKLET

Registration to the event on [B2Match platform](#)



29th - 30th
October 2025

CHEMICAL
PRODUCTS

RAILWAY
INDUSTRY

METALLIC RAW
MATERIALS

Travel
vouchers
for SMEs



Funded by
the European Union

Contact Us! info@idealist-project.eu



IDEALIST

1. Event schedule

Day 1 - Wednesday the 29th of October: Conferences & networking

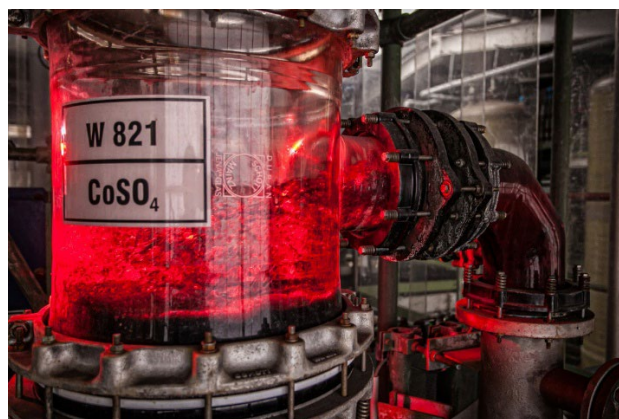
The conference will occur at Schlosshotel Pillnitz which address is August-Böckstiegel-Straße 10, 01326 Dresden ([on GoogleMaps](#))

Registration is required to attend the conference. Total number of participants is limited to **60 people**.



DAY 1	Exploring technology loops and raw material supply schemes in chemical and rail industry
09:00 – 09:40	Opening and welcome
	Alysée Cibil, CIMES, European projects manager, Coordinator IDEALIST, Clermond-Ferrand Dr Wolfgang Reimer, Managing Director GKZ, Freiberg Dr Patrick Prühs, Managing Director CCB, Nuremberg Veronica Elena Bocci, Coordinator DITECFER, Pistoia
09:40 – 10:20	Key Notes: Innovation and raw materials / feed supply schemes
	- Framework conditions in EU for innovating the chemical industry and raising competitiveness - <i>Dr Pierre Gröning, Chemicals Industry Association, Germany (VCI), EU Office Brussels</i> - Lessons and recommendations from EU LEADER2030 Project - <i>Veronica Elena Bocci, Coordinator LEADER 2030</i>
10:20 – 11:20	Session A - "Circularity of raw materials and feed streams"
	- Processing of finely dispersed metallurgical intermediates - from feasibility to plant concept and commissioning - <i>Dr Stefan Jäckel, POWPRO GmbH - Powder Processing Solutions, Dresden</i> - Applying electrochemical processes for novel synthesis routes of platform chemicals and recycling of zinc - <i>Chantal Englmaier, Project Leader, ESy-Labs GmbH, Regensburg</i> - How Blockchain can Prove Sustainability of materials and feedstreams - <i>Dr Markus Jostock, Chief Digital Officer, eco2Veritas Certification Ltd.</i>
11:20 – 12:20	Pitching Session (3-5 Start-up pitches)
	- Creating custom metal alloys for water electrolysis, aerospace and various other coating applications - <i>Sven Maihöfer, xemX materials space exploration GmbH, Bochum</i> - Discovering novel inorganic crystalline materials for electronic and energy storage applications using an AI agent for material screening - <i>Dr Xaiza Aniban, Scientific Solution Expert, ExoMatter GmbH, München</i> - LPF Battery chemistry and ESG conform Lithium supply for CAM production - <i>Dr Micha Zauner, Deutsche E Metalle, Dresden</i> - CO₂ - negative plastics - stronger, lighter, cheaper." - <i>Torsten Becker, Dreamer + Innovator, carbonauten GmbH, Giengen</i>
12:20 – 13:20	Lunch break
13:20 – 14:00	Walk and Talk
	Interactive networking in small groups during a walk after lunch time in the vineyards of the Pillnitz Palace

14:00 – 15 :00	Session B - “Advances in Rail Technology and framework conditions of their raw materials supply”
	- Germany’s new Hydrogen Innovation Center HIC and its contribution to the transformation of European value chains – <i>Frederik Wewetzer, Head of HIC Research and Transfer Center HZwo e. V., Chemnitz</i> - Findings and results from the LEADER 2030 Innovation Train rolling seminar - <i>Veronica Elena Bocci, Coordinator DITECFER, Pistoia</i> - Raw materials supply risks for implementing the EU Rail Masterplan 2030 - <i>Dr Wolfgang Reimer, GKZ Freiberg</i>
15:00 – 16:15	B2B MatchMaking & Networking (Coffee break in parallel)
	Individual prearranged meetings of participants using B2match software platform
16:15 – 17:00	Session C - “Smart technologies for carbon-neutral value chains”
	- Advanced PEM technology for sustainable industrial decarbonization - <i>Marvin Hodde, Business Development, Hydrogenea GmbH, Gelsenkirchen</i> - Emission reduction of trace NH₃ concentrations by catalytic decomposition - <i>Dr Andreas Hänel, Deputy Head of Department Energy Supply Systems, DBI Gas- und Umwelttechnik GmbH, Freiberg</i> - Short-term provision of low-cost hydrogen for the decarbonisation of industrial processes - <i>Matthias Rudloff, CEO AMBARtec AG, Dresden</i>
17:00 – 18 :30	Break
18 :30-21 :00	Dinner at Schlosshotel Pillnitz
	Location: Schlosshotel Pillnitz, August-Böckstiegel-Straße 10, 01326 Dresden Shared cost meaning each person pays its own bill.



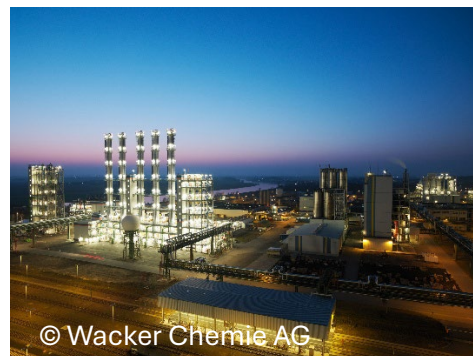


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Day 2 - Thursday the 30th of October: Site Visit to Wacker Chemie

WACKER is a technological leader in the chemical and biotech industry and offers products and services for all key global markets.

Nünchritz plant has been an important chemical site since as far back as 1900. With around 1,500 employees, Nünchritz plant is the largest chemical-industry employer in Saxony. It produces silicon-based chemical substances, including some 200 different silicones, pyrogenic silica and hyperpure polycrystalline silicon for the solar industry. The plant also operates a cartridge-filling facility for silicone adhesives and sealants. The low-waste and energy-efficient production complex continues to cut energy consumption and reduces the environmental impact of wastewater and emissions.



Address: Wacker Chemie AG, Nünchritz, Friedrich-von-Heyden-Platz 1, 01612 Nünchritz
Registration required to attend the site visit. Number of participants is limited to **40 people!**

DAY 2	Learning through direct experience – Site visit at Wacker Chemie AG
9:00	Bus Departure at 09:00am at Schlosshotel Pillnitz
09:00 – 10:15	Transfer to Nünchritz
10:15	Arrival at Wacker Chemie production site Nünchritz
10:30 – 11:00	<i>Welcome by Dr Jutta Matreux, Site Manager, Wacker Chemie AG, Nünchritz plant and Dr Wolfgang Reimer, GKZ</i> <i>Introduction into the participants and their background</i> <i>Group and Company presentation by Dr Jutta Matreux</i>
11:00 – 12:30	Visit of production facilities by bus with stop overs to descend
12:30 – 13:30	Lunch Break & Get Together Discussions
14:30	Bus Departure at Wacker Chemie AG, Nünchritz plant for return to Dresden, Schlosshotel Pillnitz



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2. Accommodation Options

At **Schlosshotel Pillnitz** a room contingent has been reserved for LEX#4 participants until **the 15th of September 2025** under 'IDEALIST'.

- From 27.10.2025 to 30.10.2025 20 double rooms for single use at a rate of 123,00 EUR
- From 28.10.2025 to 31.10.2025 20 double rooms for single use **at a rate of 123,00 EUR**

Each participant books their own room! Request a reservation with the reduced rate by sending an email directly to reservierung@schlosshotel-pillnitz.de mentioning you a member of the "IDEALIST contingent"



Address: Schlosshotel Pillnitz, August-Böckstiegel-Straße 10, 01326 Dresden (on GoogleMaps)

Further hotels a foot walk away from the Schlosshotel Pillnitz are:

- **Hotel Pillnitzer Elbblick:** <https://pillnitzer-elbblick.de/>
- **Pension an der Pillnitzer Schlossfähre:** <https://www.pension-pillnitzer-schlossfaehre.de/>

Any other hotel in the city centre close to Tram Line 1 Kleinzschachwitz (final stop at ferry crossing the river Elbe next to the Schlosshotel Pillnitz). More information available at: <https://www.dvb.de/de-de/>

3. Funding Scheme for SMEs: travel vouchers

Participant to the LEX as "SME representatives" can benefit from support for travel expenses up to 500€ according to the country they are travelling from (contact your local cluster). The travel voucher will be distributed by a cluster partner in IDEALIST consortium: APPAU, Albatros, CIMES, COMET, DITECFER, Silesian Aviation Cluster, MLK, Polymeris. After the event your company can invoice the cluster for "participation to IDEALIST Learning Expedition n°4 in Germany".

4. Registration

Registration is to be made on the B2Match Online Platform. The link is <https://www.b2match.com/e/technology-loops-and-raw-material>

The event is co-organized by the Geokompetenzzentrum Freiberg and the Chemistry-Cluster Bavaria.



The Geokompetenzzentrum e.V. (GKZ), a German network of 125 entities in the raw materials, energy, and environmental sector, focuses on exploration, production, and recycling. It plays a key role in IDEALIST by highlighting the importance of raw materials supply chains and promoting resource efficiency and circular economy practices.



Chemie Cluster Bayern (CCB) connects over 120 companies, startups, and research institutions in Bavaria's chemistry industry. It focuses on business development, technology scouting, and transforming scientific results into industrial applications. CCB supports members with funding applications, project development, and management, fostering innovation and growth.

Contact persons are:

- About the place: Dr. Wolfgang Reimer, Email: wr@gkz-ev.de, Phone: +49 176 10208119
- About the conference program: Emilija Kohls, Email: kohls@chemiecluster-bayern.de; 7
- About B2Match platform (for technical issue): Cristina DANS, cristina.dans@eitmanufacturing.eu

5. Additional partnering event

Day 0 - Wednesday the 28th of October: LEADER2030 Innovation Train

Parallel activity organized by LEADER2030 project partners DITECFER and GKZ. Innovation train activity starts already on Oct 27th **from Firenze, Italy with night stopover in Munich (journey on Oct 28th: Munich-Nuremberg-Erfurt-Leipzig-Dresden)**. The Innovation Train aims at running 'rolling panels' between experts, industries and stakeholders to discuss results and recommendations of the LEADER 2030 project on supply needs of the rail value chain for delivering innovations in 2030 and how to increase supply autonomy and resilience. The participants will join the IDEALIST conference on Oct 29th.

VISIT: Technical visit to a semiconductor industry in Munich, Germany (priority 1: Infineon, priority 2: Samsung). (*partners: Cluster Chemie Bayern, Silicon Saxony, DITECFER*). *Topics and programme details tbd*

At the end of the visit the participants board the train.

AGENDA: Talks/Pitches on relevant topics during the rail journey

- Talk – Follow-up discussions on lessons learnt during the visit and how to leverage them for more autonomous and resilient European Value Chains of the future
- Talk – Topic resulting from both LEADER 2030 D4.1 and IDEALIST D7.1
- Wrap-up of lessons learnt and discussion with key stakeholders along the train journey
- Pitches/Matchmaking among the participants
- Official arrival, welcome at Headquarters of Rail.S (Rail Saxony)

DINNER on the 28th: Schlosshotel Pillnitz, Wintergarten-Café, 18:00 – 22:00 (included, max. 50 Persons) (shared cost meaning each person pays its own bill)

Contact persons:

- Dr. Wolfgang Reimer, GKZ, Email: wr@gkz-ev.de
- Dr. Veronica Bocci, DITECFER, Email: coordinatore@ditecfer.eu



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 LEADER Learnings for European Autonomy to Deliver Europe's Rail in 2030	LEADER 2030 reviews the bottlenecks and gaps for the critical raw materials supply for the EU Rail 2030 Master Plan. The project is funded by “Europe’s Rail Join Undertaking research and innovation programme. It is coordinated by DITECFER, the Italian Railway Cluster.
 DITECFER DISTRICT FOR RAIL TECHNOLOGIES, HIGH SPEED, NETWORKS' SAFETY & SECURITY	DITECFER, Italy’s leading Railway Technologies cluster, collaborates with over 50 innovative companies and research bodies. As a key player in European rail competitiveness, it coordinates EU-funded projects to enhance the resilience, innovation, and internationalization of SMEs in the railway sector.