

# The COMET Network: Centres, Projects und Modules



24 COMET-Centres of which 3 with phasing out

15 COMET-Modules from 13 COMET Centres

15 COMET-Projects

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Table 1 24 COMET-Centres of which 3 with phasing out

COMET-Centre	Title	Long Title	Keywords	Federal State of residence	Further participating federal states	Location	START of term	END of term
<a href="#">AC<sup>2</sup>T Research GmbH</a>	<a href="#">InTribology2</a>	Tribology Intelligence – Customized Tribology for Industrial Innovation	tribology, friction, wear, lubrication	Lower Austria	Vorarlberg	Wr. Neustadt	01.04.2024	31.03.2029
<a href="#">ACIB GmbH</a>	<a href="#">acib</a>	Next Generation Bioproduction	sustainability, bioeconomy, health, biotechnology, bioproduction	Styria	Lower Austria Tyrol Vienna	Graz	01.01.2024	31.12.2028
<a href="#">ACMIT GmbH</a>	<a href="#">ACMIT</a>	Austrian Center for Medical Innovation and Technology	medicine, robotics, minimally invasive therapy, photonic sensors, human-machine interface, personalized therapy	Lower Austria	Tyrol	Wr. Neustadt	01.04.2021	30.09.2026
<a href="#">Battery4Life GmbH</a>	<a href="#">Battery4Life</a>	Optimized Safety and Increased Sustainability of Batteries	battery, safety, sustainability, second life application, vehicle, degradation	Styria	Upper Austria	Graz	01.04.2025	31.03.2029
<a href="#">BEST Bioenergy and Sustainable Technologies GmbH</a>	<a href="#">BEST 4.0</a>	Shaping the Transition to a Sustainable and Climate-Friendly Bioeconomy	biorefinery, syngas platform, green products and energy carriers, digitalisation, sustainability	Styria	Lower Austria Vienna	Graz	01.04.2023	31.03.2027
<a href="#">CDP Center for Digital Production GmbH</a>	<a href="#">CDP</a>	Austrian Center for Digital Production	digital production, production networks	Vienna	Lower Austria	Vienna	01.04.2021	30.09.2026
<a href="#">CHASE GmbH</a>	<a href="#">CHASE</a>	Chemical Systems Engineering	chemical engineering, process analytics, digitalization, circular process streams	Upper Austria	Vienna	Linz	01.10.2023	30.09.2027
<a href="#">FFoQSI GmbH</a>	<a href="#">FFoQSI</a>	Austrian Competence Centre for Feed & Food Quality, Safety and Innovation	supplements, quality assurance, pathogen control, sustainable soil management, packaging, sustainability, AI in agriculture	Lower Austria	Upper Austria Vienna	Tulln	01.04.2025	31.03.2029
<a href="#">HyCentA Research GmbH</a>	<a href="#">HyCentA</a>	Hydrogen Research Centre Austria	renewable hydrogen, electrolysis, storage, fuel cell, application,	Styria	Upper Austria, Tyrol, Vienna	Graz	01.01.2023	31.12.2026
<a href="#">K1-MET GmbH</a>	<a href="#">K1-MET</a>	Competence Center of Sustainable Digitalized Metallurgy for a Climate Neutral and Resource Efficient Planet	metallurgy, environment, process development, industrial plants, sustainability	Upper Austria	Styria Tyrol	Linz	01.07.2023	30.06.2027
<a href="#">Know-Center Research GmbH</a>	<a href="#">Know-Center</a>	Research Center for Trustworthy AI & Data	trustworthy AI and data	Styria	Tyrol, Vienna	Graz	01.01.2023	31.12.2026
<a href="#">Lakeside Labs GmbH</a>	ARC	Autonomic Resilience in Dynamic Networked Systems	resilience technologies; self-organisation; network dynamics; swarm intelligence; humans in the loop	Carinthia	Burgenland, Tyrol	Klagenfurt	01.01.2027	31.12.2030
<a href="#">LCM Linz Center of Mechatronics GmbH</a>	<a href="#">LCM</a>	Center for Symbiotic Mechatronics	symbiotics, mechatronics	Upper Austria		Linz	01.01.2022	31.12.2026
	<a href="#">LCM-CREATE!</a>	CREATE! - Center for Research on Emerging and Advanced Technologies in Engineering	Mechatronics, Automated Engineering, Industrial IoT, Digital Twin, Emerging Technologies	Upper Austria		Linz	01.01.2027	31.12.2030
<a href="#">LEC GmbH</a>	<a href="#">LEC GETS</a>	Green Energy and Transportation Systems	green transformation, large engines, energy systems, transportation systems, digitalisation	Styria	Salzburg, Vienna	Graz	01.01.2023	31.12.2026
<a href="#">MCL Materials Center Leoben Forschung GmbH</a>	<a href="#">IC-MPPE</a>	Integrated Computational Materials, Process and Product Engineering	fundamentals for integrated computer-aided material, process, product and material engineering, simulation of materials	Styria	Upper Austria Tyrol	Leoben	01.01.2022	31.12.2026
	<a href="#">IMI</a>	Integrated Materials Intelligence	materials acceleration platforms, advanced multifunctional materials, sustainable materials processing and application, FAIR data, physics-informed AI-enhanced	Styria	Upper Austria Tyrol	Leoben	01.01.2027	31.12.2030
<a href="#">PCCL Polymer Competence Center Leoben GmbH</a>	<a href="#">PCCL-K1</a>	Centre for Circularity, Functionality and Digitalization in Polymer Technologies	polymer, sustainability, circularity, digitalization, functionality	Styria	Upper Austria, Vorarlberg	Leoben	01.01.2025	31.12.2028
<a href="#">Pro2Future GmbH</a>	<a href="#">Pro2Future II</a>	Cognitive and Sustainable Products and Production Systems of the Future	cognitive, sustainable, human-centered, production, AI	Upper Austria	Styria	Linz	01.04.2025	31.03.2029
<a href="#">RCPE Research Center Pharmaceutical Engineering GmbH</a>	<a href="#">RCPE</a>	Research Center Pharmaceutical Engineering	pharmaceutical manufacturing, simulation, process analytical technology, quality-by-design, advanced medicines development, high-speed production	Styria		Graz	01.07.2023	30.06.2027
<a href="#">SBA Research gGmbH</a>	<a href="#">SBA-K1 NGC</a>	SBA-K1 Next Generation Cybersecurity	cybersecurity, software security, secure digital infrastructure	Vienna		Vienna	01.04.2025	31.03.2029
<a href="#">SCCH Software Competence Center Hagenberg GmbH</a>	<a href="#">INTEGRATE</a>	Competence Center for Integrated Software and AI Systems	artificial intelligence, data science, software engineering, integrated software and AI Ecosystem, emerging computing technologies	Upper Austria		Hagenberg	01.01.2023	31.12.2026
<a href="#">VASCage GmbH</a>	<a href="#">VASCage-C</a>	Centre for Promoting Vascular Health in the Ageing Community	ageing, stroke, prevention, atherosclerosis	Tyrol	Salzburg Vienna	Innsbruck	01.04.2023	31.03.2028

<b>Virtual Vehicle</b> Research GmbH	<u>K2 Digital Mobility</u>	Context-Embedded Vehicle Technologies	digitalisation, context-embedded, automotive/rail, living innovation lab, mobility	Styria		Graz	01.01.2022	31.12.2026
	<u>COMET SDM</u>	COMET Software-Defined Mobility	Software-Defined Mobility, Virtual Assurance Framework, Self-Learning Simulation, Context-Aware Systems	Styria		Graz	01.01.2027	31.12.2030
<b>VRVis</b> GmbH	<u>VRVis K1</u>	Centre for Visual Computing	visual analytics, interactive visualization, visual computing, human-centered AI, extended reality	Vienna	Tyrol, Vorarlberg	Vienna	01.01.2025	31.12.2028
<b>WOOD</b> Kompetenzzentrum Holz GmbH	<u>WOOD</u>	Transition to a sustainable bioeconomy	resource efficiency, bioeconomy, circular economy, biobased sensors, biobased carbons, sustainability, biorefinery, green chemicals, building blocks,	Upper Austria	Carinthia Lower Austria	Linz	01.01.2023	31.12.2026

Table 1: 15 COMET Modules from 13 COMET-Centres

COMET Module	COMET-Centre	Long Title	Keywords	Federal State of residence	Further participating federal states	Location	START of term	END of term
<b>A3Red</b>	<u>MCL Materials Center Leoben Forschung GmbH</u>	Accelerated design of Advanced Alloys with Reduced critical raw materials content	AI-supported accelerated materials design, structural and functional advanced materials, utilization of secondary raw materials, reduction of critical raw materials, interoperable modular research platform	Styria	Carinthia, Upper Austria	Leoben	01.01.2026	31.12.2029
<b>BattLab</b>	<u>PCCL Polymer Competence Center Leoben GmbH</u>	High performance battery systems driven by polymer science and virtual material engineering	batteries, degradation, functional polymers, material modelling, simulation	Styria		Leoben	01.01.2024	31.12.2027
<b>ClimaSens</b>	<u>VRVis GmbH</u>	Climate-sensitive Adaptive Planning for Shaping Resilient Cities	interactive urban planning, holistic environmental modeling, immersive urban analytics, participatory approaches	Vienna		Vienna	01.01.2024	31.12.2027
<b>DEPS</b>	<u>SCCH Software Competence Center Hagenberg GmbH</u>	Dependable Production Environments with Software Security	software protection, software-hardware binding, physically unclonable functions; software diversity, language based security	Upper Austria		Hagenberg	01.01.2022	31.12.2026
<b>DeSimplify</b>	<u>CHASE Center GmbH</u>	Creating the configurable Process Modelling Architecture that acknowledges the complexity of chemical production systems	chemical process industry, process simulation, digital twin, CFD, DEM	Upper Austria	Vienna	Linz	01.01.2026	31.12.2029
<b>ELF4GREEN</b>	<u>BEST Bioenergy and Sustainable Technologies GmbH</u>	Electro-fermentation as advanced tool for targeted bioproduction of green fuels and chemicals	electro-fermentation, electro-syngas fermentation, electro-biosynthesis, electro-driven acid fermentation, electro-biomethanisation	Lower Austria	Vienna	Tulln	01.04.2026	31.03.2030
<b>IACAI</b>	<u>Know-Center Research GmbH</u>	Interfaces of Agent-Centric AI	multi-agent-ai-systems, energy efficiency, trustworthy AI, human-ai agent support, LLMs	Styria		Graz	01.01.2026	31.12.2029
<b>LEC FFF</b>	<u>LEC Large Engine Competence Centre GmbH</u>	Future Fuel Fundamentals	ammonia as a fuel in large engines; energy and transportation systems; numerical modeling; lube oil degradation; component materials	Styria	Tyrol	Graz	01.01.2024	31.12.2027
<b>microONE</b>	<u>CBmed GmbH</u>	Microplastic Particles: a Hazard for Human Health	microplastic, spectrometric analysis, molecular modelling, colorectal cancer, microbiome	Styria	Vienna	Graz	01.01.2022	31.12.2026
<b>PlasmArc4Green</b>	<u>K1-MET GmbH</u>	Simulation, Modelling and Monitoring of Plasma and Arc based Processes for Green Metal Production	electric arc, thermal plasma, magnetohydrodynamics simulation, in-situ measurement, hydrogen plasma smelting reduction	Upper Austria	Styria, Tyrol	Linz	01.07.2024	30.06.2028
<b>QAE</b>	<u>SCCH Software Competence Center Hagenberg GmbH</u>	Quantum Algorithm Engineering: Bridging the Gap to Industrial Applications	quantum computing applications, quantum machine learning (QML), hybrid quantum computing, quantum software engineering, quantum utility	Upper Austria	Tyrol	Hagenberg	01.01.2026	31.12.2029
<b>Renew4EHS</b>	<u>WOOD Kompetenzzentrum Holz GmbH</u>	Renewable Materials for Energy Harvesting and Energy Storage	energy harvesting, energy storage, sustainability, electronics, bio-based materials	Upper Austria	Carinthia, Lower Austria	Linz, Tulln, Lenzing, St. Veit	01.01.2026	31.12.2029
<b>Repairecture</b>	<u>PCCL Polymer Competence Center Leoben GmbH</u>	Innovative repair concepts for polymer-based materials and components along their lifetime	repair concepts, polymer-based materials, dynamic polymer networks, metamaterials, debonding on-demand	Styria	Upper Austria	Leoben	01.01.2024	31.12.2027
<b>SD-OpT</b>	<u>ACMIT GmbH</u>	Surgical Data for Optimized Therapy	Surgical Data Science, Context Aware Assistance, Surgical Workflow Support, Decision Support	Niederösterreich	Tirol	Wr. Neustadt	01.04.2022	30.09.2026
<b>Twin4Pharma</b>	<u>RCPE Research Center Pharmaceutical Engineering GmbH</u>	Digital and Green (Twin) Transition of Pharmaceutical Product and Process Development	pharmaceutical engineering, API manufacturing, hybrid modeling, digitalization, sustainability	Styria		Graz	01.07.2024	30.06.2028

Table 2: 15 COMET-Projects

COMET Project	Consortium Management	Long Title	Keywords	Federal State of residence	Further participating federal states	Location	START of term	END of term
<b>ACWA</b>	<u>Universität für Bodenkultur Vienna Institut für Siedlungswasserbau</u>	Austrian Centre of Water Analysis	renaturalisation, karst water, bank filtration	Vienna	Lower Austria	Vienna	01.12.2025	30.11.2029
<b>AddSafety</b>	<u>Technische Universität Graz, Institut für Fahrzeugsicherheit</u>	Efficient Development of Robust Vehicle Safety	vehicle safety, safe mobility, hybrid testing, safety evaluations, scenarios	Styria		Graz	01.10.2025	30.09.2029
<b>AutoForst</b>	<u>Technische Universität Graz - Institut für Fahrzeugtechnik</u>	Advanced Automated Timber Value Chain	forestry, timber logistics, robotics, sensing and perception technologies	Styria	Carinthia	Graz	01.12.2025	30.11.2029
<b>bio-ART</b>	Montanuniversität Leoben - Lehrstuhl für Werkstoffkunde und Prüfung der Kunststoffe	Bio-based and Resource-efficient Thermosets for Demanding Applications	bio-based thermosets, high-performance, resource efficiency, reparability, recyclability	Styria		Leoben	01.04.2024	31.03.2028
<b>DiMo-NEXT</b>	Salzburg Research Forschungsgesellschaft m.b.H.	DiMo-NEXT - The Next Level of Digital Motion in Sports, Fitness and Well-being	motion analytics, smart product development, sports, well-being, behaviour change	Salzburg	Upper Austria, Tyrol	Salzburg	01.04.2024	31.03.2028
<b>ECHODA</b>	<u>Technische Universität Graz Institut für Thermodynamik und nachhaltige Antriebssysteme</u>	Energy Efficient Cooling and Heating of Domestic Appliances	refrigeration cycle, domestic appliances, energy efficiency, control,	Styria		Graz	01.01.2024	31.12.2027
<b>ENSURE</b>	<u>ZuchtData EDV-Dienstleistungen GmbH</u>	Data Driven Strategies to Enhance Sustainability, Resilience and Resource Efficiency of Cattle Farming	value network, circularity, breeding, feeding, animal health	Vienna	Tyrol	Vienna	01.11.2025	30.04.2029
<b>FL4E&amp;R</b>	Montanuniversität Leoben, Lehrstuhl für Modellierung und Simulation metallurgischer Prozesse	Freeze-Lining Aided Pyrometallurgy for Carbon-free Metal Extraction and Recycling	DRI smelter; zinc fuming; energy efficiency; process safety; process innovation	Styria	Upper Austria	Leoben	01.12.2025	30.11.2029
<b>Green Zinc</b>	<u>Montanuniversität Leoben - Lehrstuhl für Nicht-Eisenmetallurgie</u>	CO2 Neutral Zero Waste Solution for Zinc Recycling	recycling, zero waste, slag utilization, carbon footprint, hydrogen	Styria	Carinthia, Tyrol	Leoben	01.01.2024	31.12.2027
<b>Hylley</b>	<u>Technische Universität Graz Institut für Thermodynamik und nachhaltige Antriebssysteme</u>	Research into Competitive and Practical Heavy Duty Hydrogen Engines	hydrogen engine; methodology; industrialization; materials; simulation	Styria	Tyrol	Graz	01.01.2024	31.12.2027
<b>NICA</b>	<u>Medizinische Universität Graz Klinische Abteilung für Endokrinologie und Diabetologie</u>	Digitalisation of Innovative Care Processes to Unburden and Empower Nurses	nursing science, empowerment of carers, relief for carers, process innovation, digitalisation, hospital, nursing home	Styria		Graz	01.03.2024	29.02.2028
<b>PI-SENS</b>	<u>Danube Private University GmbH</u>	Personalised Medicine enabled by Intelligent Sensing Systems	sensors, personalised medicine, electrochemistry	Lower Austria	Tyrol	Krems	01.05.2024	30.04.2028
<b>ProMetHeus</b>	<u>LKR Leichtmetallkompetenzzentrum Ranshofen</u>	PROduction and Processing of METals for High-Performance, Energy Efficiency, Environmental Protection a. Sustainability	process technology, material development, digitalisation, sensor technology, artificial intelligence	Upper Austria	Lower Austria, Styria	Braunau am Inn – Ranshofen	01.01.2024	31.12.2027
<b>REACT</b>	<u>Technische Universität Vienna, Institute for Microelectronics</u>	Reliability Evaluation and Analysis of Circuits and Emerging Transistor Technologies	semiconductor technology, physical modelling, circuit modelling, transistor reliability, novel material systems, innovative characterization frameworks	Vienna	Carinthia	Vienna	01.12.2025	30.11.2029
<b>We3D<sup>2</sup></b>	<u>LKR Leichtmetallkompetenzzentrum Ranshofen</u>	Wire-DED – Material, Process, and Data science for Future Components and Digital Qualification	w-DED; data science, materials and process simulation, process monitoring and control, advanced materials	Upper Austria	Styria, Vorarlberg	Braunau am Inn – Ranshofen	01.10.2025	30.09.2029