

Das COMET Netzwerk: Zentren, Projekte und Module

24 COMET-Zentren davon 3 mit Phasing out
 12 COMET-Module aus 10 COMET-Zentren
 15 COMET-Projekte



Stand: 1.8.2024

Tabelle 1: 24 COMET-Zentren davon 3 mit Phasing out

COMET-Zentrum	Titel	Langtitel	Schlagwörter	Sitzbundesland	weitere beteiligte Bundesländer	Standort	Laufzeit BEGINN	Laufzeit ENDE
ABC Research GmbH	ABC	Austrian Blockchain Center	Blockchain, Distributed Ledger Technology, Cryptography, Security, Cryptoeconomy	Wien		Wien	01.10.2019	31.03.2025
AC ² T Research GmbH	InTribology2	Tribology Intelligence – Customized Tribology for Industrial Innovation	Tribology, Friction, Wear, Lubrication	Niederösterreich	Vorarlberg	Wr. Neustadt	01.04.2024	31.03.2029
ACIB GmbH	acib	Next Generation Bioproduction	Sustainability, bioeconomy, health, biotechnology, bioproduction	Steiermark	Niederösterreich Tirol Wien	Graz	01.01.2024	31.12.2028
ACMIT GmbH	ACMIT	Austrian Center for Medical Innovation and Technology	Medicine, Robotics, minimally invasive therapy, photonic sensors, Human-machine interface, personalized therapy	Niederösterreich	Tirol	Wr. Neustadt	01.04.2021	31.03.2026
Battery4Life Optimized Safety and Increased Sustainability of Batteries	Battery4Life	Optimized Safety and Increased Sustainability of Batteries	Battery, Safety, Sustainability, Second Life Application, Vehicle, Degradation	Steiermark	Oberösterreich	Graz	01.04.2025	31.03.2029
BEST Bioenergy and Sustainable Technologies GmbH	BEST 4.0	Shaping the Transition to a Sustainable and Climate-Friendly Bioeconomy	Biorefinery, Syngas Platform, Green Products and Energy Carriers, Digitalization, Sustainability	Steiermark	Niederösterreich Wien	Graz	01.04.2023	31.03.2027
CDP Center for Digital Production GmbH	CDP	Austrian Center for Digital Production	Digital Production, Production networks	Wien	Niederösterreich	Wien	01.04.2021	31.03.2026
CHASE GmbH	CHASE	Chemical Systems Engineering	Chemical Engineering, Process Analytics, Digitalisierung, Circular Process Streams	Oberösterreich	Wien	Linz	01.10.2023	30.09.2027
FFoQSI GmbH	FFoQSI	Austrian Competence Centre for Feed & Food Quality, Safety and Innovation	Nutrition, food, quality, safety, innovation, sustainability	Niederösterreich	Oberösterreich Wien	Tulln	01.04.2021	31.03.2025
		Austrian Competence Centre for Feed & Food Quality, Safety and Innovation	Supplements, Quality Assurance, Pathogen Control, Sustainable Soil Management, Packaging, Sustainability, AI in Agriculture	Niederösterreich	Oberösterreich Wien	Tulln	01.04.2025	31.03.2029
HyCentA Research GmbH	HyCentA	Hydrogen Research Centre Austria	Renewable hydrogen, electrolysis, storage, fuel cell, application,	Steiermark	Oberösterreich, Tirol, Wien	Graz	01.01.2023	31.12.2026
K1-MET GmbH	K1-MET	Competence Center of Sustainable Digitalized Metallurgy for a Climate Neutral and Resource Efficient Planet	Metallurgy; environment; process development; industrial plants; sustainability	Oberösterreich	Steiermark Tirol	Linz	01.07.2023	30.06.2027
Know-Center GmbH	Know-Center	Research Center for Trustworthy AI & Data	Trustworthy AI and Data	Steiermark	Tirol, Wien	Graz	01.01.2023	31.12.2026
LCM GmbH	LCM	Center for Symbiotic Mechatronics	Symbiotik, Mechatronik	Oberösterreich		Linz	01.01.2022	31.12.2026
LEC GmbH	LEC GETS	Green Energy and Transportation Systems	Green transformation; large engines; energy systems: transportation systems; digitalization	Steiermark	Salzburg, Wien	Graz	01.01.2023	31.12.2026
MCL Materials Center Leoben Forschung GmbH	IC-MPPE	Integrated Computational Materials, Process and Product Engineering	Grundlagen für integriertes computerunterstütztes Material, Prozess, Produkt und Material Engineering, Simulation von Materialien	Steiermark	Oberösterreich Tirol	Leoben	01.01.2022	31.12.2026
PCCL Polymer Competence Center Leoben GmbH	PCCL-K1	K1-Center in Polymer Engineering and Science	Kunststofftechnik, Polymer, Composite, Kunststoffverarbeitung, Kunststoffoberflächen	Steiermark	Niederösterreich Oberösterreich	Leoben	01.01.2021	31.12.2024
		Centre for Circularity, Functionality and Digitalization in Polymer Technologies	Polymer, Sustainability, Circularity, Digitalization, Functionality	Steiermark	Oberösterreich, Vorarlberg	Leoben	01.01.2025	31.12.2028
Pro2Future GmbH	Pro2Future II	Products and Production Systems of the Future	Cyber Physical Systems, kognitive Industriesysteme, Internet of Things, Industrie 4.0, maschinelles Erkennen, kognitive Robotik, Prädiktive Analytik,	Oberösterreich	Steiermark	Linz	01.04.2021	31.03.2025
		Cognitive and Sustainable Products and Production Systems of the Future	Cognitive, Sustainable, Human-Centered, Production, AI	Oberösterreich	Steiermark	Linz	01.04.2025	31.03.2029
RCPE Research Center Pharmaceutical Engineering GmbH	RCPE	Research Center Pharmaceutical Engineering	pharmaceutical manufacturing, simulation, process analytical technology, quality-by-design, advanced medicines development, high-speed production	Steiermark		Graz	01.07.2023	30.06.2027
SBA Research gGmbH	SBA-K1 NGC	SBA Research - K1	Information security	Wien		Wien	01.04.2021	31.03.2025
		SBA-K1 Next Generation Cybersecurity	Cybersecurity, Software Security, Secure Digital Infrastructure	Wien		Wien	01.04.2025	31.03.2029
SCCH Software Competence Center Hagenberg GmbH	INTEGRATE	Competence Center for Integrated Software and AI Systems	Artificial Intelligence, Data Science, Software Engineering, Integrated Software and AI Ecosystem, Emerging Computing Technologies	Oberösterreich		Hagenberg	01.01.2023	31.12.2026
VASCage GmbH	VASCage-C	Centre for Promoting Vascular Health in the Ageing Community	Ageing, stroke, prevention, atherosclerosis	Tirol	Salzburg Wien	Innsbruck	01.04.2023	31.03.2027
Virtual Vehicle Research GmbH	K2 Digital Mobility	Context-Embedded Vehicle Technologies	Digitalisierung, Context-Embedded, Automotive/Rail, Living Innovation Lab, Mobilität	Steiermark		Graz	01.01.2022	31.12.2026
VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH	VRVis K1	Centre for Visual Computing	Visual Analytics, interaktive Visualisierung, Visual Computing	Wien	Steiermark	Wien	01.01.2021	31.12.2024
			Visual Analytics, Interactive Visualization, Visual Computing, Human-Centered AI, Extended Reality	Wien	Tirol, Vorarlberg	Wien	01.01.2025	31.12.2028
WOOD Kompetenzzentrum Holz GmbH	WOOD	Transition to a sustainable bioeconomy	resource efficiency, bioeconomy, circular economy, biobased sensors, biobased carbons, sustainability, biorefinery, green chemicals, building blocks,	Oberösterreich	Kärnten Niederösterreich	Linz	01.01.2023	31.12.2026

Tabelle 2: 12 COMET-Module aus 10 COMET-Zentren

COMET-Modul	COMET-Zentrum	Langtitel	Schlagwörter	Sitzbundesland	weitere Bundesländer	Standort	Laufzeit BEGINN	Laufzeit ENDE
BattLab	Polymer Competence Center Leoben GmbH (PCCL)	High performance battery systems driven by polymer science and virtual material engineering	batteries, degradation, functional polymers, material modelling, simulation	Steiermark		Leoben	01.01.2024	31.12.2027
ClimaSens	VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH	Climate-sensitive Adaptive Planning for Shaping Resilient Cities	Interactive Urban Planning, Holistic Environmental Modeling, Immersive Urban Analytics, Participatory Approaches	Wien		Wien	01.01.2024	31.12.2027
DDIA	Know-Center GmbH Research Center for Data-Driven Business & Big Data Analytics	Data Driven Immersive Analytics in Digital Industries	data visualization, digital industries	Steiermark		Graz	01.01.2022	31.12.2025
DEPS	Software Competence Center Hagenberg GmbH	Dependable Production Environments with Software Security	Software Protection, Software-Hardware Binding, Physically Unclonable Functions; Software Diversity, Language based Security	Oberösterreich		Hagenberg	01.01.2022	31.12.2025
FuLiBatter	K1-MET GmbH	Future Lithium Ion Battery Recycling for Recovery of Critical Raw Materials	Li-Ionen-Batterien, Aktivmaterial, Recycling, Kritische Rohstoffe	Oberösterreich	Steiermark	Linz	01.07.2022	30.06.2026
i³sense	Kompetenzzentrum Holz GmbH	Intelligent, integrated and impregnated cellulose-based sensors for reliable bio based structures	engineering wood products, biobased composites, smart structures	Oberösterreich	Kärnten, Niederösterreich	Linz	01.01.2022	31.12.2025
LEC FFF	LEC GmbH	Future Fuel Fundamentals	Ammonia as a fuel in large engines; energy and transportation systems; numerical modeling; lube oil degradation; component materials	Steiermark	Tirol	Graz	01.01.2024	31.12.2027
microONE	CBmed GmbH	Microplastic Particles: a Hazard for Human Health	microplastic, spectrometric analysis, molecular modelling, colorectal cancer, microbiome	Steiermark	Wien	Graz	01.01.2022	31.12.2025
PlasmArc4Green	K1-MET GmbH	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	Oberösterreich	Steiermark, Tirol	Linz	01.07.2024	30.06.2028
Repairecture	Polymer Competence Center Leoben GmbH (PCCL)	Innovative repair concepts for polymer-based materials and components along their lifetime	repair concepts; polymer-based materials; dynamic polymer networks; metamaterials; debonding on-demand	Steiermark	Oberösterreich	Leoben	01.01.2024	31.12.2027
SD-OpT	ACMIT GmbH	Surgical Data for Optimized Therapy	Surgical Data Science, Context Aware Assistance, Surgical Workflow Support, Decision Support	Niederösterreich	Tirol	Wr. Neustadt	01.04.2022	31.03.2026
Twin4Pharma	Research Center Pharmaceutical Engineering GmbH	Digital and Green (Twin) Transition of Pharmaceutical Product and Process Development	Pharmaceutical engineering, API manufacturing, hybrid modeling, digitalization, sustainability	Steiermark		Graz	01.07.2024	30.06.2028

Tabelle 3: 15 COMET-Projekte

COMET-Projekt	Konsortialführung	Langtitel	Schlagwörter	Sitzbundesland	weitere Bundesländer	Standort	Laufzeit BEGINN	Laufzeit ENDE
bio-ART	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	Steiermark		Leoben	01.04.2024	31.03.2028
CARpenTIER	Weizer Energie-Innovations-Zentrum GmbH	Modelling, Production and further Processing of Eco-Hybrid Structures and Materials	Function-oriented process control, Reliable and reproducible production of wood hybrid components, Part function, Material and process modelling,	Steiermark		Weiz	01.05.2021	30.04.2025
DiMo-NEXT	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	Oberösterreich, Tirol	Salzburg	01.04.2024	31.03.2028
ECHODA	Technische Universität Graz Institut für Thermodynamik und nachhaltige Antriebssysteme	Energy Efficient Cooling and Heating of Domestic Appliances	refrigeration cycle, domestic appliances, energy efficiency, control,	Steiermark		Graz	01.01.2024	31.12.2027
Green Zinc	Montanuniversität Leoben - Lehrstuhl für Nichteisenmetallurgie	CO2 Neutral Zero Waste Solution for Zinc Recycling	recycling, zero waste, slag utilization, carbon footprint, hydrogen	Steiermark	Kärnten, Tirol	Leoben	01.01.2024	31.12.2027
Hylley	Technische Universität Graz Institut für Thermodynamik und nachhaltige Antriebssysteme	Research into Competitive and Practical Heavy Duty Hydrogen Engines	Hydrogen Engine; Methodology; Industrialization; Materials; Simulation	Steiermark	Tirol	Graz	01.01.2024	31.12.2027
HyTechnomy	HyCentA Research GmbH	Hydrogen Technologies for Sustainable Economies	Renewable Hydrogen; Electrolysis; Fuel Cell; Hydrogen Storage;	Steiermark	Oberösterreich	Graz	01.04.2021	31.03.2025
NICA	Medizinische Universität Graz Klinische Abteilung für Endokrinologie und Diabetologie	Digitalisation of Innovative Care Processes to Unburden and Empower Nurses	Pflegewissenschaft, Empowerment Pflegepersonen, Entlastung Pflegepersonen, Prozessinnovation, Digitalisierung, Krankenhaus, Pflegeheim	Steiermark		Graz	01.03.2024	29.02.2028
PI-SENS	Danube Private University GmbH	Personalised Medicine enabled by Intelligent SENSing Systems	Sensors, personalised medicine, electrochemistry	Niederösterreich	Tirol	Krems	01.05.2024	30.04.2027
ProMetHeus	LKR Leichtmetallkompetenzzentrum Ranshofen	PROduction and processing of METals for High-performance, Energy Efficiency, environmental protection a. Sustainability	Prozesstechnik, Materialentwicklung, Digitalisierung, Sensorik, künstliche Intelligenz	Oberösterreich	Niederösterreich, Steiermark	Braunau am Inn - Ranshofen	01.01.2024	31.12.2027
Rail4Future	ÖBB-Infrastruktur Aktiengesellschaft	Railways for Future: Resilient Digital Railway Systems to enhance performance	Large Scale Simulation; Weiche & Schiene; Brücke & Tunnel; Predictive Analytics; Hybride Modellierung;	Wien	Steiermark	Wien	01.04.2021	30.09.2024
ReWaste F	Montanuniversität Leoben - Lehrstuhl für Abfallverwertungstechnik und Abfallwirtschaft	Recycling and Recovery of Waste for Future	Mixed Municipal Waste & Plastics; Recycling in Circular Economy; Particle, Sensor and Data based Waste Treatment; Material-Machine-Machine Interaction; Smart Waste Factory;	Steiermark		Leoben	01.04.2021	31.03.2025
SafeLIB	Technische Universität Graz - Institut für Fahrzeugsicherheit	Safety Aspects of Lithium-Based Traction Batteries Including the Qualification for Second Life Applications	lithium-ion battery, crash safety, product life, solid-state lithium-ion cells, automotive application, second life, recycling of Lilon batteries	Steiermark	Oberösterreich	Graz	01.04.2021	31.03.2025
TCCV2	Universität Innsbruck - Forschungsinstitut für Textilchemie und Textilphysik	Textile Competence Center Vorarlberg 2	Textiles, Interfaces, Hybrid, Energy, E-Textiles, Bio-based Materials, Textile Circularity, Sustainability	Vorarlberg		Dornbirn	01.04.2021	31.03.2025
We3D	LKR Leichtmetallkompetenzzentrum Ranshofen	Wire-based additive manufacturing materials and technologies for 3D metal structures of the future	Wire- & Arc-based Additive Manufacturing, Wire alloy development; Process monitoring; Sensors; Path planning and process simulation;	Oberösterreich	Niederösterreich Steiermark Wien	Braunau / Inn Ranshofen	01.03.2021	28.02.2025