

List of associated user groups of the EUROCHAMP infrastructure

Participant number (coordinator as participant N°1)	Organisation (name, city, country)	Short name (as specified on form A2)	fields of excellence
1	Technical University of Vienna, Vienna, Austria	TUW	Carbonaceous aerosol characterisation, polymeric aerosol formation and analytical characterisation, development of methods for analysis of polymeric aerosol properties
2	University of Heidelberg, Heidelberg, Germany	UHEI	High-sensitive and simultaneous measurements by multi-reflection DOAS (Differential Optical Absorption Spectroscopy) optimised for smog chambers: aromatic hydrocarbons (isomer-selective), halogen oxides, high-relevant atmospheric trace gases as well as some free radicals (contact-free)
3	FORD Research Centre, Aachen, Germany	FORD	Emission research, aerosol physics & chemistry, air quality modelling
4	University of Oslo, Oslo, Norway	OSLO	Kinetic and mechanistic indoor photoreactor studies in the gas phase, general spectroscopy, optical properties of aerosol materials
5	University of Helsinki, Helsinki, Finland	UHEL	Investigation of formation and growth of atmospheric aerosols, aerosol physics and chemistry
6	Institute for Tropospheric Research, Leipzig, Germany	IFT	Aerosol chamber and flow reactor studies, physical and chemical characterisation of particle formation and modification, aerosol chemistry
7	National Institute of Chemistry, Ljubljana, Slovenia	NIC	Reactivity of aerosols under haze conditions and chemical characterisation of aerosol particles
8	University of Iasi, Iasi, Romania	IASI	Mechanistic and kinetic indoor and outdoor photo-reactor studies in the gas-phase. Studies on the aerosol formation under simulated atmospheric condition using several reactions chamber facilities. Monitoring of air pollutants, aerosols
9	Technical University Wroclaw, Wroclaw, Poland	WUT	Investigation of atmospheric chemical processes, automatic manual and passive monitoring, temporal and spatial modelling of air pollution with advanced statistical tools

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10	University of Paris7-CNRS, Paris, France	UPAR	Kinetic and mechanistic studies in indoor photoreactors for the gaseous and aqueous phases
11	University of Vienna, Vienna, Austria	UWIEN	Aerosol optics / optical properties, humidity growth of aerosols, cloud condensation nuclei, dynamics of atmospheric aerosols, gravimetric analysis of aerosols and aerosol size distribution, black carbon, surface tension effects
12	University of Szeged, Szeged, Hungary	USZ	Development of diode laser based photo acoustic systems for measuring atmospheric components such as water vapour, ozone, soot etc.
13	Dombauverwaltung der hohen Domkirche, Cologne, Germany	DOM	Experience in the preservation of cultural heritage (stone, glass, metal work), studies in the field of stained glass and stone deterioration, development and monitoring of protective glazing system systems for stained glass windows
14	Instituto de Soldadura e Qualidade, Porto Salvo, Portugal	ISQ	Environmental monitoring of ambient air, workplace atmospheres, indoor air, flue gases. Dispersion studies and numerical simulation. Performance tests and analysis of air conditioning systems. Sampling and analysis of VOC and particulate matter. Studies using gaseous tracers
15	University College Dublin, Dublin, Ireland	UCD	Kinetic and mechanistic studies of gas-phase atmospheric processes, atmospheric degradation of alternative fuels, solvents and halocarbons, laser flash photolysis, FTIR spectrometry, GC-MS
16	Akademie der bildenden Künste, Vienna, Austria	ABK	Experience in the field of cultural heritage (objects of art and archaeology), weathering of stained glass and metallic artefacts (Cu-based materials), degradation of glass objects and coins in museums, paper and parchment in libraries and archives, storage of films and photographs
17	University of Birmingham, Birmingham, UK	UBIRM	Characterisation of aerosol properties, aerosol formation and evolution

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18	University of Manchester, Institute of Science and Technology, Manchester, UK	UMIST	Aerosol measurements of physical properties and online chemical composition, microphysical and chemical measurements of mixed phase and ice clouds, modelling of the physical and chemical state and transformation of aerosol within chambers, modelling of ice and mixed phase cloud systems and their chemistry
19	Institute of Meteorology & Water Management, Wroclaw, Poland	IMW	Ambient air monitoring of air pollutants, aerosols, ozone, radioactive compounds as well as background air pollution monitoring (according to EMEP standards), measurements of pollutant loads incoming with precipitation
20	CNR Istituto Inquinamento Atmosferico, Rome, Italy	IIA	Monitoring of criteria and non-criteria (HONO and HNO ₃) pollutants in ambient and indoor air. Development of diffusive sampling and saturation monitoring applied to cultural heritage protection
21	Laboratorium voor Pneumologie (Longtoxicologie), Leuven, Belgium	LVP	Investigation of human health effects; evaluation of possible human health effects of gaseous or particulate pollutants; experimental assessment of the toxicity of gaseous or particulate pollutants by in vitro methods using established cell lines or primary cells of animal or human origin
22	Center for Environmental Research and Technology (CE-CERT), University of California, Riverside, USA	CERT	Environmental chamber studies using large indoor reactors in a temperature-controlled clean enclosure suitable for chemical mechanism evaluation at a range of pollutant concentrations and temperatures, assessment of effects of organics on tropospheric ozone and PM formation, development of atmospheric monitoring methods, development and evaluation of atmospheric chemical mechanisms, air quality modelling
23	Desert Research Institute, Reno, USA	DRI	Collection and analysis of trace atmospheric species present in gas and particle phases; development of analytical methods for identifying biologically active compounds in primary and secondary particulate organic matter; kinetics and products of gas-phase reactions of organics; ozone precursors; measurements of particle-associated and volatile compound emissions from various sources; sources apportionment; development and evaluation of atmospheric chemical mechanism