

COMET CENTRE

VRVIS GMBH

RESEARCH PROGRAMME: VRVIS K1 - VRVIS K1 CENTRE FOR VISUAL COMPUTING

Main location: Vienna

Other locations: Graz, Styria

Thematic area: Digitalization / ICT

<https://www.ffg.at/comet/netzwerk>



Thematic focuses

- Visual Computing
- Artificial Intelligence
- Simulation
- Extended Reality
- Reconstruction
- Image Analysis
- Data Science
- Visual Analytics
- Visualizaton

Planned realisation and outcomes

As a COMET centre, VRVis combines different disciplines of visual computing with artificial intelligence and simulation. This enables the major challenges of our information society and data-intensive markets to be solved - visual computing has established itself as a key technology for this. With 25 years of research experience in close cooperation with industry, VRVis actively contributes to human-centric, transparent, reliable and sustainable digitalization.

History of establishment

VRVis GmbH was founded in 2000 as VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH as part of the K-plus funding programme. From 2000-2007 VRVis was part of the Kplus funding program. From 2008-2009, VRVis was funded as part of the Vienna Spots of Excellence program. VRVis has been an FFG-funded COMET K1 center since January 1, 2010. The COMET module ClimaSens was added in 2024. The company name was changed to VRVis GmbH on 08.11.24. A new COMET period, which focuses on visual computing, simulation and artificial intelligence with a focus on digital humanism, starts in 2025 and will last until 2032.

COMET FACTSHEET

Selected company partners (max. 10):

1. AVL List
2. DIBIT Messtechnik
3. GE Healthcare
4. Geoconsult
5. InPlan Ingenieure
6. ÖBB Infrastruktur
7. RHI Magnesita
8. rmDATA
9. Wiener Linien
10. Zumtobel Lighting

Selected scientific partners (max. 5):

1. AIT
2. JOANNEUM Research
3. TU Wien
4. TU Graz
5. Universität Wien

Selected international¹ partners (max. 5):

1. AGFA Healthcare NV (Belgien)
2. Hamburg Wasser (Deutschland)
3. HILTI Corporation (Liechtenstein)
4. Otto-von-Guericke-Universität Magdeburg
5. University of California, Berkeley (USA)

Duration: 01.01.2025-31.12.2032 (8 years)

Staff employed at the Centre: 61 FTE, thereof 52 scientists

Management: DI Dr. Gerd Hesina, VRVis CEO
Dipl.-Math. Dr. Katja Bühler, Scientific Director

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The COMET Centre is funded within COMET – Competence Centers for Excellent Technologies – by BMIMI, BMWET as well as the co-financing federal provinces Vienna, Tyrol and Vorarlberg. The COMET programme is managed by FFG. www.ffg.at/comet

¹ Partners with headquarters outside Austria