

COMET Module

DDAI	
Explainable, Verifiable and Privacy-Preserving Data-Driven AI	
Main location	Graz, Styria
Other locations	-
Research programme	The research programme aims to achieve privacy-preservation and verification methods in the field of artificial intelligence (AI) by combining methods from federated machine learning with methods from cryptography and data provenance. A complementary focus is on explainability of AI methods and the empowerment of end user via methods from visual analytics, adaptive reflection guidance for learning, and recommender systems.
Planned realisation and outcomes	
The main outcomes are privacy-preserving, data-driven AI algorithms that allow companies to share machine learning models along the value chain without leaking confidential information. These algorithms are designed to be verifiable and explainable, i.e., subject matter experts can check the correctness of the presented results. Furthermore, the developed personalized learning technologies and transparent, trust-based recommender systems empower end users in their interaction with AI.	
Selected company partners (max. 10)	Selected scientific partners (max. 5)
<ol style="list-style-type: none"> 1. AVL List GmbH 2. AT&S AG 3. BKS Bank AG 4. Magna Steyr Fahrzeugtechnik GmbH & Co KG 	<ol style="list-style-type: none"> 1. TU Graz - Institute for Applied Information Processing and Communications (IAIK) 2. TU Graz - Institute for Interactive Systems and Data Science (ISDS) 3. University of Twente 4. University of Passau 5. KU Leuven
	Selected international partners ¹ (max. 5)
	<ol style="list-style-type: none"> 1. University of Twente 2. University of Passau 3. KU Leuven
Start of the COMET Module	01.01.2020 (4 years)
Number of personnel	19 (FTE) are involved (17 FTE are scientists)
Project management	Dr. Roman Kern, Area-Leader Knowledge Discovery
Contact/ COMET Centre	Know-Center GmbH Inffeldgasse 13, 8010 Graz info@know-center.at , www.know-center.at

¹ Partners with headquarters outside Austria