IBM **Research** | Zurich

PROJECT PARTNER SEARCH FORM

☒ I offer my expertise to participate as a Partner in a Horizon Europe Project

☐ I am planning to coordinate a project and I am looking for Project Partners

TOPICS OF INTEREST

HORIZON-CL4-2024-HUMAN-01-06: EXPLAINABLE AND ROBUST AI (RIA)

PARTNER INFORMATION

IBM Research GmbH, (IBM Research Zurich), with approximately 300 employees, is a wholly owned subsidiary of the IBM Research division with headquarters at the T.J. Watson Research Centre in Yorktown Heights, NY, USA. IBM Research Zurich, which was established in 1956, represents the European branch of IBM Research. At the lab, scientific and industrial research is conducted in three scientific and technical departments: Cloud & Computing Infrastructure, Cognitive Computing & Industry Solutions, Science and Technology. We participate in several projects, including H2020.

Our competencies include Machine Learning and Artificial Intelligence, and in particular Computer Vision, Trustworthy and Explainable AI, and the training and deployment of AI Foundation Models, including LLMs.

Description of the Legal Entity

Industrial research organization

☐ Higher Education	☐ Research Institution	☐ Public Administration
☒ Industry /SME	☐ NGO	☐ Other: ***Please specify***

Description of the Trustworthy LLMs Team at IBM Research Zurich

Mattia Rigotti, PhD https://research.ibm.com/people/mattia-rigotti
   Dr. Mattia Rigotti is a senior research scientist at IBM Research Zurich, Switzerland. He holds a M.Sc. In Theoretical Physics from ETH Zurich and a PhD in Computational Neuroscience from Columbia University, New York. He worked as an associated research fellow at New York Univeristy and was a Research Scientist at the IBM T. J. Watson Research Center, Yorktown Heights. His research interests include Machine Learning applied to Computer Vision, Explainable AI and Foundation Models for vision and NLP tasks.

Katya Mirylenka, PhD https://research.ibm.com/people/katya-mirylenka
   Dr. Katya Mirylenka is a researcher at IBM Research Zurich, Switzerland. She holds a BSc + MSc degree in Applied Mathematics and Computer Science from the Belarusian State University, Minsk, Belarus and a PhD degree in data stream analysis and machine learning from the University of Trento, Italy. She has been a visiting researcher at At&t Research Labs, NJ, USA, the University of Wisconsin-Madison, WI, USA and an intern at the Technicolor Research & Innovation Center, Paris, France. Among other topics, Dr. Mirylenka's has worked on designing, developing, and deploying several approaches to solve data integration problems for various types of data in order to assist users to get important insights about their

data and make data-informed decisions. Recently, she started working on conversational agents for domain-specific exploration and analysis.

Paolo Scotton, PhD https://researcher.ibm.com/researcher/view.php?person=zurich-psc

Dr. Paolo Scotton graduated from Ecole Superieure en Sciences Informatiques in Sophia Antipolis, France, in 1990 and received the Diplome d'Etudes Approfondies and Ph.D. from University of Nice, France, in 1990 and 1993. He pursued his Ph.D. studies on the topic of video compression adapted for ATM networks. Since 1997, Dr. Scotton has been with IBM Zurich Research Laboratory, Switzerland, where he has worked in several areas including routing protocols, real-time publish-subscribe systems, sensor networks and more recently operating system provisioning and cloud computing. He has held several management positions and is currently the technical leader for cognitive sales anayltics projects.

Expertise of the Team Leader

Expertise of the team: Machine Learning, Computer Vision, LLMs, Explainable and Trustworthy AI, Conversational AI, Information Retrieval

Potential role in the project

☒ Research   ☒ Training

☒ Dissemination   ☒ Other: ***Workpackage leader***

e.g. project leader, scientific coordinator, workpackage leader, product development expertise.

Already experience as a	Coordinator	☒ YES	☐ NO
	Partner	☒ YES	☐ NO
	Expert Evaluator	☒ YES	☐ NO
CONTACT DETAILS			

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