

Discover Google Cloud and Google Workspace for Research & Education with Sparkle

Accelerating digitalisation and cloud adoption in the European Research and Education community

Cloud offers powerful tools to researchers and students, improving data processing speed and collaboration, through shared tools and data storage.

The scalability, flexibility and cost-effectiveness offered by public cloud services relieve universities and research institutes of the operational and economic burden of managing self-hosted hardware and infrastructure, thus allowing them to focus on their core activities: high quality research and education.

In Europe, R&E institutions can benefit from OCRE, a European project created to facilitate cloud adoption in the research community. Through ready-to-use service agreements with qualified cloud service providers, the OCRE Cloud Framework offers a standardised contractual vehicle to ease the purchase of these solutions and assure the best value for money.

Sparkle - OCRE Cloud Framework provider and Google Cloud integrator in 27 countries since 2020 - provides the R&E community with Google-based solutions ranging from High-Performance Computing (HPC), Artificial Intelligence and Machine Learning, infrastructure modernisation, collaboration and productivity tools, genomic and clinical research, healthcare, and medical imaging. In this cloud journey, interaction with end users (researchers, professors, and students) is crucial to understand the needs of the organisation and then design the cloud solution that best supports its goals.

An example of this kind of collaboration is the one with the University of Foggia, one of the youngest and most dynamic universities of South Italy, that selected Sparkle to provide a cloud solution based on Google Cloud and Google Workspace for Education technologies to equip its 12,000 students and 3,000 staff with an enhanced set of distance learning and collaboration tools, as well as further developments and integrations. As for the timing: the agreement between the University and the company was signed in December 2021 and the service was already up and running in February 2022.

And when it comes to collaborations in the research field Sparkle, thanks to its team of experts and an ecosystem of specialised local partners, can converse with customers on their respective fields, a decisive added value that results in more effective design and faster deployment of the cloud infrastructure to support their specific needs and goals. It is in this framework that Sparkle is implementing several projects with different European institutions.

In France, for example, they include a project by the University of Burgundy to build a training solution for health professionals and students in the Metaverse, as well as a project "Deep Learning for GRAPHS" by the Computer Laboratory of Burgundy, which aims to automate the use of semantic content to make it accessible without further processing.

In the Netherlands, one noteworthy project is that by Princess Máxima Center for Pediatric Oncology to create a Comprehensive Childhood Cancer Commons, harmonise data collection of childhood cancer genomes and perform state-of-the-art data analysis to support innovations in childhood cancer research, diagnostics, and treatment.

In Belgium, the iCANDID project from the Katholieke Universiteit Leuven is developing a FAIR (Findable, Accessible, Interoperable Reusable) data hub for the Social Sciences and Humanities to speed-up the data collection and preprocessing.

In Italy, the Università di Padova along with the Università Svizzera Italiana are working on a project to study federated machine learning cloud systems for precision medicine as well as on a second project focusing on a Machine Learning paradigm called Incremental Learning.

The awarding of these projects to Sparkle is a testimony of the strength of its offer to the European education and research sector and is part of the company's broader commitment to reducing the costs and complexity of the transition to the cloud.

For more information visit Sparkle for Research and Education website: <https://www.ocre.cloud.tisparkle.com/>

Meet us at booth #5 to meet Sparkle's and Google delegates!

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