

Atos orchestrates AURAGEN's genomic sequencing calculation solution

Paris, July 18, 2019 - [Atos](#), a global leader in digital transformation, was selected by GCS AURAGEN¹ - to provide and orchestrate the high-performance computing infrastructure and storage of a new genomic pilot platform for high-flow sequencing calculation. This platform has been selected as part of the French national plan for Genomic Science ('France Médecine Génomique 2025'²). Atos will manage this project together with its partners and co-contractors [EOLAS](#) and [A2COM](#), which manage the hosting and outsourcing of health data respectively.

The objective of this national plan is to integrate the sequencing of individual genomes into a 'care pathway' to enable personalized diagnostic and therapeutic management of patients. Initially, it will mainly concern people suffering from cancer and rare diseases for whom new therapeutic strategies may be proposed according to the genetic variations identified.

Atos has implemented an industrial solution for GCS AURAGEN that is designed to support the entire life cycle of genomic data - from DNA sequencing to analysis production. To develop an architecture that is as close as possible to the needs of the health ecosystem, Atos has brought together multiple business expertise (to share with biologists, geneticists and bioinformaticians) and technical expertise (in order to carry out dimensioning, comparative analysis, storage, archiving as well as a high-speed network).

This architecture is mainly based on a Dell EMC technology infrastructure that meets the project's high storage needs and performance and scalability challenges (2.5 Po of data per year over time). Atos, together with its partners EOLAS and A2COM, guarantees data hosting on a certified HDS (Health Data Hosting) site, and operates and maintains the entire platform for GCS AURAGEN.

Atos has been supporting the processing of genomic data for several years now, as shown by its long-term partnership with the Spanish National Centre for Genomic Analysis (CNAG-CRG), which has chosen Atos for its large-scale sequencing and DNA analysis work.

This contract reflects Atos' strategic positioning in the health and life sciences sector, illustrated by its European and global client base, its close work with the health ecosystem and its participation in major research projects such as [Elixir](#), [EIT Health](#) and [CompBioMed](#).

¹ GCS AURAGEN: Health Cooperation Group bringing together the 4 healthcare centers (CHUs) of the Auvergne-Rhône Alpes region (Grenoble, Lyon, St Etienne, Clermont-Ferrand), the 2 Cancer Control Centres of the Auvergne-Rhône Alpes region (Léon Bérard in Lyon and Jean Perrin in Clermont-Ferrand) and the Institut de Cancérologie de la Loire. In addition to the GCS and its institutions, the consortium includes Universities: Claude Bernard Lyon 1, the University of Grenoble, the University of St Etienne, the University of Clermont Ferrand as well as the Ecole des Mines de Saint Etienne and the Synergie Lyon Cancer Foundation.

² The France Genomic Medicine 2025 Plan plans to deploy a network of twelve sequencing platforms covering the entire French territory within the next 4 years. Two pilot projects have been selected, including the GCS AURAGEN - information [here](#).



Press Release

About Atos

Atos is a global leader in digital transformation with over 110,000 employees in 73 countries and annual revenue of over € 11 billion. European number one in Cloud, Cybersecurity and High-Performance Computing, the Group provides end-to-end Orchestrated Hybrid Cloud, Big Data, Business Applications and Digital Workplace solutions. The group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and operates under the brands Atos, Atos Syntel, and Unify. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index.

The purpose of Atos is to help design the future of the information technology space. Its expertise and services support the development of knowledge, education as well as multicultural and pluralistic approaches to research that contribute to scientific and technological excellence. Across the world, the group enables its customers, employees and collaborators, and members of societies at large to live, work and develop sustainably and confidently in the information technology space.

About Atos partners on this project

EOLAS - Eolas, a subsidiary of the Business & Decision group, is an Internet specialist, expert in hosting, application design and development and digital marketing. Eolas ensures the digital transformation of many companies into e-commerce (B2C, B2B), public structures and players in the real estate sector. Eolas employs 150 people in Grenoble, Paris & Lyon and works throughout France.

More information: <https://www.eolas.fr>

A2COM - The A2COM Group offers and deploys innovative solutions to develop the efficiency of organizations and their teams. Its teams are based around 3 business lines: A2COM RESADIA (cloud services, outsourcing, sensitive data hosting, information systems security, digital transformation of companies), A2COM FORMATION and IDBC (application development and enhancement of health data in the medical field). With continuous growth over the past 23 years, the A2COM Group has now surpassed the symbolic milestone of €10 million in turnover for a workforce of around 60 employees. By deploying cloud services, professional training and application development in the healthcare sector, it is more than ever a key player in the digital transformation of organizations. <https://www.a2com.fr/>

Press contact

Lucie Duchateau – lucie.duchateau@atos.net - + 33 7 62 85 35 10