Press release

Teratec engages towards new heights

Bruyères-le-Châtel, Octobre10, 2018: **Teratec** association, the only ecosystem unique in Europe bringing together industrial users, technology companies, research and teaching centers around digital technologies (Digital Simulation and High-Performance Computing, Big Data and Artificial Intelligence), announced the appointment of **Daniel Verwaerde** as its new President during its **Open Day** event held on October 2 at the Teratec Campus.

Teratec evolves with its governance

On 27 September of last year, the General Assembly elected **Daniel Verwaerde** as President of Teratec (see biography below) who acted as General Administrator of the CEA until last spring. Upon his appointment, Daniel Verwaerde warmly thanked **Christian Saguez** for his major contribution to the development and mastery of digital technologies in France and Europe, as Founding President of Teratec while he becomes its Honorary President. "I am particularly happy to be back with Teratec, Daniel Verwaerde said. I actively participated in its creation and followed its development. So, I am keen to continue this success by extending it to new areas, particularly extending its reach witin SMEs, and by making Teratec the European reference center for all digital technologies, from simulation and supercomputers to quantum computing and artificial intelligence".

While developing the **Teratec Campus**, within which companies and laboratories now employ more than 250 people, **Teratec** has undertaken a development process based on the most advanced digital technologies. This new dimension of Teratec will be amplified with the launch of several new initiatives, notably in **quantum computing** and **autonomous systems**. Teratec has also successfully launched several other initiatives to **disseminate digital simulation** in SMEs (**SiMSEO** Program and **DataPoC** Digital Challenges), which will be further expanded in the coming period. In addition, Teratec has become a key player in the major European programs that the European Commission has decided to strengthen in a very significant way.

Successful day for its first open-doors event

For the first time since its creation in 2012, the **Teratec Campus**, located in Bruyères-le-Châtel (Essonne), organized an Open Day event on last October 2nd, which welcomed 300 professional visitors. A series of conferences covered such varied topics as: achieving balance between energy efficiency and high performance; the discovery of quantum computing; the focus on computing for supercomputers; supporting VSEs/SMEs for the development of digital simulation... An exhibition area along with show cases brought together some fifteen companies and research organizations hosted on the Teratec Campus to present their know-how in a breadth of research and application fields: high-performance computing, digital simulation, Big Data, Artificial Intelligence, advanced visualization, code optimization and parallelization, design and creation of materials of the future, virtual and augmented reality, etc.

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Daniel Verwaerde

A graduate Engineer from École Centrale de Paris with major in numerical modelling, Daniel Verwaerde joined the CEA in 1978 in the Department of Applied Mathematics, taking over its management from 1991. In 1996, he became Director of the Simulation Program, designed to ensure the sustainability of French nuclear deterrence after definitive ending of nuclear tests. From 2007 to 2014, he acted as Director of Military Applications (DAM) at the Office of the Commissioner for Atomic Energy and Alternative Energies. He then operated as Chief Executive Officer of CEA from 2015 to 2018.

About Teratec

Created in 2005 upon initiative of the CEA and a number of industrialists to form a European centre of expertise in Digital Simulation and Big Data, Teratec's objectives are to bring together all industrial and academic players, suppliers and users, and to provide access to the most powerful systems, promote and increase the attractiveness of the field by fostering economic development.

Teratec now brings together more than 90 technological and industrial companies, laboratories and research centers, universities and "grandes écoles", as well as local authorities combining their resources which aim at putting France at the very forefront in the strategic field of Digital Simulation and Big Data, for industry and research in Europe.

Teratec actively participates in initiatives aimed at strengthening industrial mastery in the digital technologies sector, collaborates in the setting up and promotion of French and European research projects, facilitates companies' access to high-performance computing technologies, and also partners with universities and "grandes écoles" to design training programs while developing international collaborations in many fields. To achieve these objectives, Teratec relies on the Teratec Campus.

About the Teratec Campus

Located at the heart of Essonne (south of Paris), next to the CEA's Very Large Computing Centre (VGCC), the Teratec Campus brings together on this unique location an ecosystem of more than 250 people entirely dedicated to digital technologies: Supercomputers and High Performance Computing (HPC); Digital Simulation; Big Data and Artificial Intelligence (HPDA). It includes a 10,000 m² incubator with a business accommodation center, technology companies, industrial research laboratories and service platforms.

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