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French strategy for cloud computing & data sharing

WEDNESDAY 15TH MARCH 2023

Direction générale des Entreprises

A national cloud strategy with three pillars

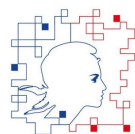
1. 'Cloud of trust' strategy



Services will be awarded the **SecNumCloud** certification if they comply with IT security standards and if they match the technical and legal requirements for protection against non-European regulations with extraterritorial reach.

At European level : **EUCS** high

2. 'Cloud first' policy



The government has made **cloud usage a prerequisite for all new public digital projects**. The goal is to accelerate the digital transformation of the government for the benefit of users while meeting the most stringent cyber-security standards.

Sensitive data must all be hosted on the government cloud or hosted on commercial cloud services which have been awarded SecNumCloud certification.

3. An industrial 'acceleration' strategy



Goals :

- to support the growth of innovative French products, including those based on open-source software;
- to help French companies scale up faster on critical technology in high demand, such as big data and collaboration tools;
- to step up the development of disruptive technologies, such as edge computing, between now and 2025 to position Europe as an industry leader.

French acceleration strategy on cloud computing

The French government has launched its national acceleration strategy on the 2nd of November 2021, committing to unprecedented funding with up to **667 M€ by 2025**.

This is part of the 'France 2030' investment plan with 56 billion € in order to answer to the great challenges of our time, particularly the **ecological transition and digital transition**, through a massive investment plan to identify **future technological champions** and to support the transitions of our sectors of excellence.



4 axes that support 3 goals:

- to support the growth of innovative French products, including those based on open-source software;
- to help French companies scale up faster on critical technology in high demand, such as big data and collaboration tools;
- to step up the development of disruptive technologies, such as edge computing, between now and 2025 to position Europe as an industry leader

KPIs by 2025 :

- Double the French cloud sector's revenue
- Develop five new SecNumCloud-certified solutions
- Double the number of large corporations using trusted cloud solutions
- Establish 25 new sector-based data spaces

Axis 1 : developing innovative cloud and edge computing solutions

Call for expressions of interest on the “development and reinforcement of French and European cloud industry” (February 2021 – May 2021)

- The French government has initially pre-selected 23 R&D projects, representing **€421m** in public funding, of which 85% will go toward SMEs, start-ups and research institutions, open-source projects and projects that will reshore operations to France.
- As of today, roughly 130M€ of public aid has been granted for a total of roughly 200M€ of investment (**including 15M€ for GXFS in the very first batch**).
- 5 projects have joined the **IPCEI Cloud Infrastructures & Services** that has been pre-notified in April 2022 to the European Commission – working together towards a Multi-Provider Secure & Sustainable Cloud Edge Continuum – **12 European members states and numerous direct and indirect partners**.
- First step towards a European cloud federated ecosystem?
- Today's challenge: **moving forward with the assessment phase of the IPCEI**



Axis 1 : developing innovative cloud and edge computing solutions

Call for projects of SaaS collaborative suites for the digital workplace (march 2022 – may 2022)

- Max **€40M** have been earmarked to help a very flourishing ecosystem to structure itself and scale up
- Selected projects should be announced soon

SecNumCloud support scheme for start-ups and SMEs

- Goal: **€3,5M** to support SaaS providers SME's climbing up the scale of cyber maturity and help them with SecNumCloud qualification
- Timeline: the scheme opened on December 20th 2022, with two first rounds on 15th February 2023 and 18th July 2023
- Very positive engagement from the ecosystem



Axis 2 : supporting technological research, innovation, and maturation



Launch a priority research programs and equipment on “the development of advanced cloud computing technologies” – €56M

- Innovative hybrid cloud or community cloud solutions
- New HW and SW solutions for hyperscale data hosting and data processing
- Orchestration and automation of distributed data hosting and data processing solutions / edge nodes / etc.
- Program as a whole has been validated, first projects launching in a few months



Call for projects on programs designed to facilitate the maturing of research projects into innovative business opportunities – €10M

Axis 3 : supporting sectorial data spaces

€150M to support sectorial data spaces

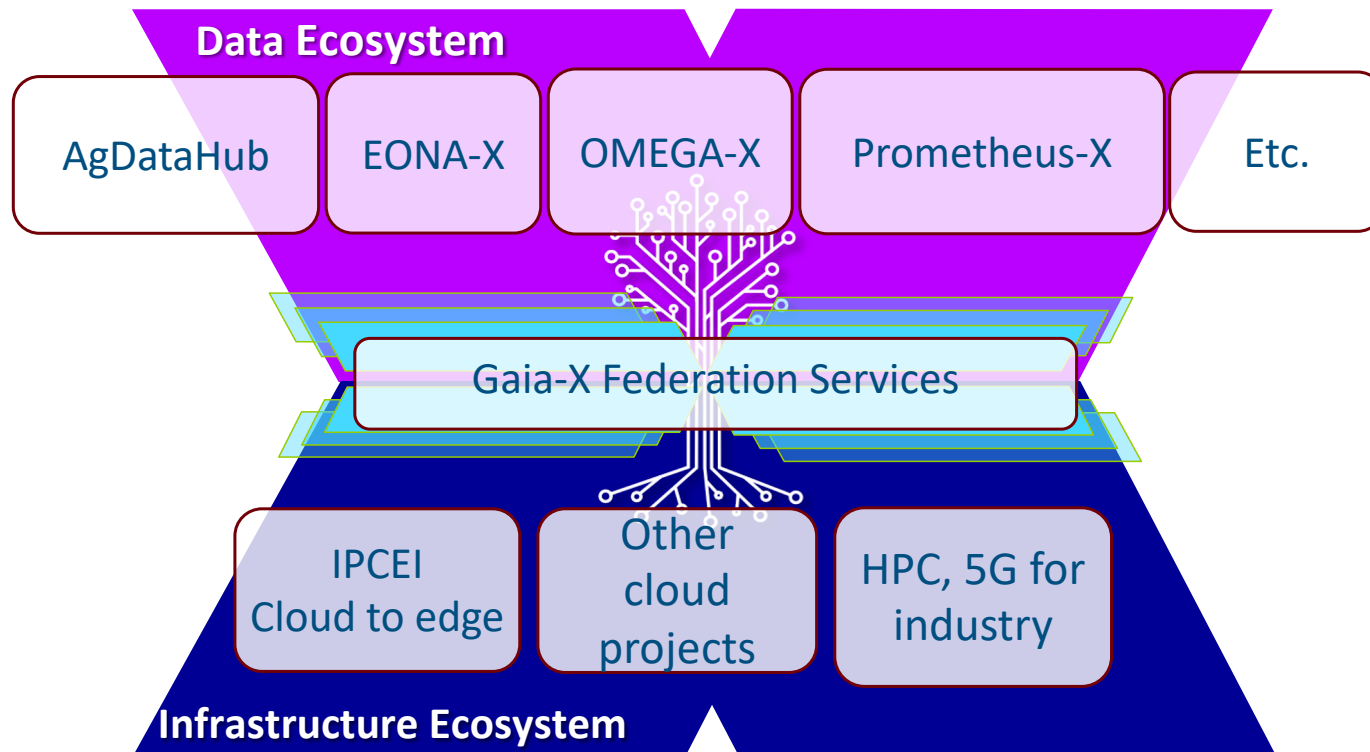
- A call for projects of sectorial data spaces has been launched in 2022
- First rounds : October 2022, February 2023
- Next rounds (to be launched) : June 2023, December 2023
- Etc in 2024, 2025
- Goal : incentivize and support key sectors to move towards data driven economy

Axis 4 : (re)training human resources

€30M for new education and in-training programs

- Talent and training are key to meeting cloud providers' and users' needs for qualified workers and promoting the adoption of cloud solutions.
- Call for projects is open as well

You are gaining momentum – keep speeding up!



Coming up tomorrow:

- Aerospace
- Construction
- Energy
- Finance
- Health
- Industry
- Smart Manufacturing
- Etc...



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Thanks for your attention !



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- A few links (in French!) :
 - <https://www.entreprises.gouv.fr/fr/numerique/strategie-d-acceleration-cloud>
 - <https://www.entreprises.gouv.fr/fr/actualites/numerique/strategie-nationale-cloud-lancement-du-plan-industriel-de-soutien-la-filiere>