



gaia-x

federated open data in a trusted data space

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Posicionamiento sobre los Espacios de Datos

Enero 2021



Iniciativa Interplataformas en Big Data e Inteligencia Artificial

https://planetic.es/sites/planetic/files/public/content-files/publications/2021/GI_BD_IA_Posicionamiento_Espacios_de_Datos_2021.pdf



https://gaia-x.eu/wp-content/uploads/2022/06/Gaia-X-standard-Presentation_27062022.pdf

Polítiques de foment dels espais de dades



Feb. 2020

European Strategy for Data

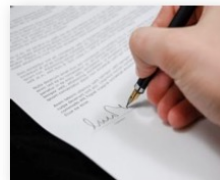
aims to build a single market for data



May 2020

Recovery and Resilience Facility

20% Digital EU Flagship "Scale-up"



Oct. 2020

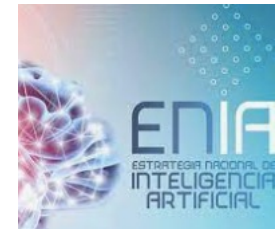
Member States Declaration for European cloud



March 2021

Digital Decade Strategy

sets targets on edge and cloud for 2030



Espais de dades. Elements

Governança

Infraestructura i plataforma

Dades

Los Espacios de datos permiten la explotación de datos profesionales en el que las empresas, administraciones y organismos de investigación puedan disponer de un entorno tecnológico en que probar, desplegar y operar aplicaciones y servicios con robustez seguridad y confiabilidad.

Algorismes i serveis

trusted data space

Persones



Espais de dades. Casos d'ús

Brokering & Safe Experimentation

Sectorial Common Data Space

Distributed Datasets Federation

Proof of concept with Open Data

DataThon

Data Incubation

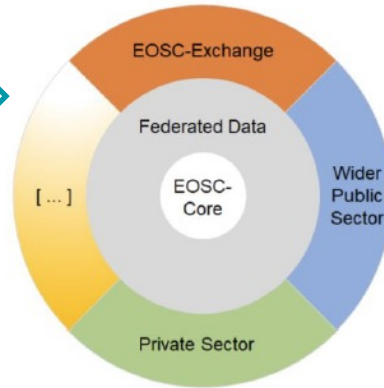
federated

trusted data space

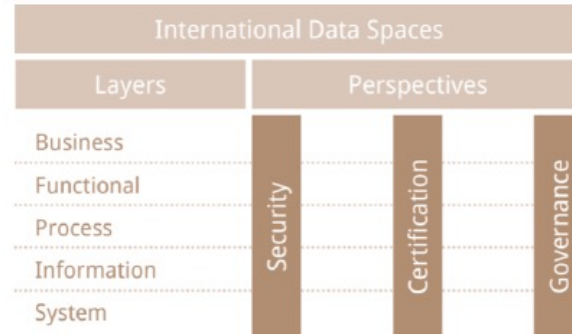
open data



Espais de dades. Exemples d'èxit



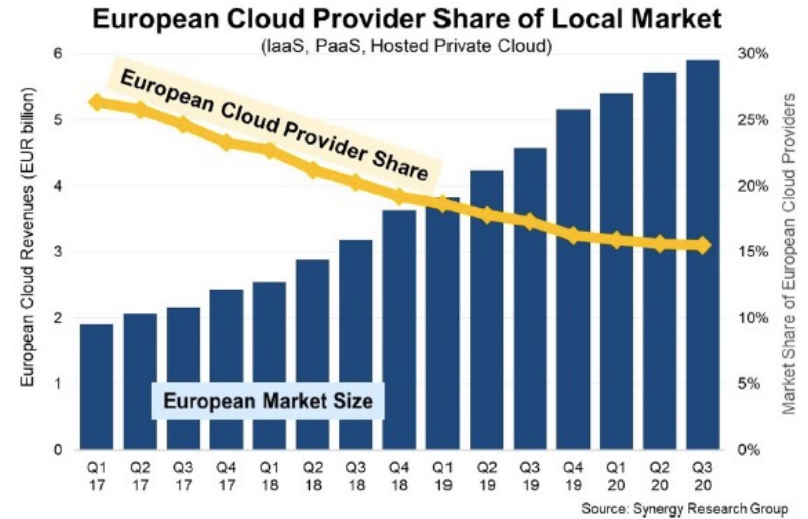
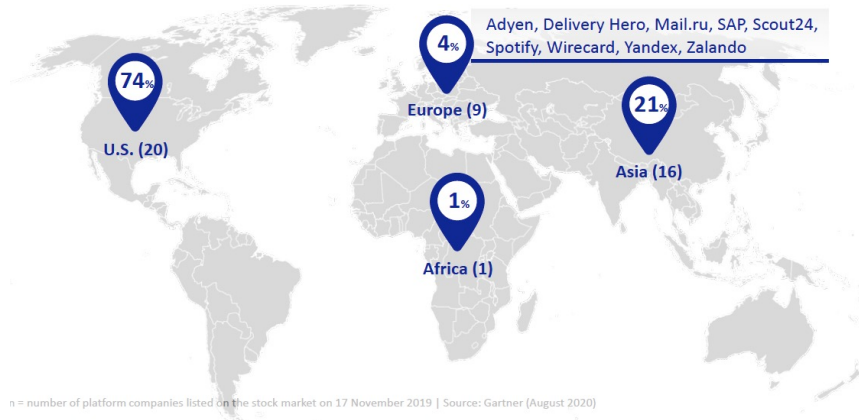
Research oriented



Espais de dades. Gaia-X



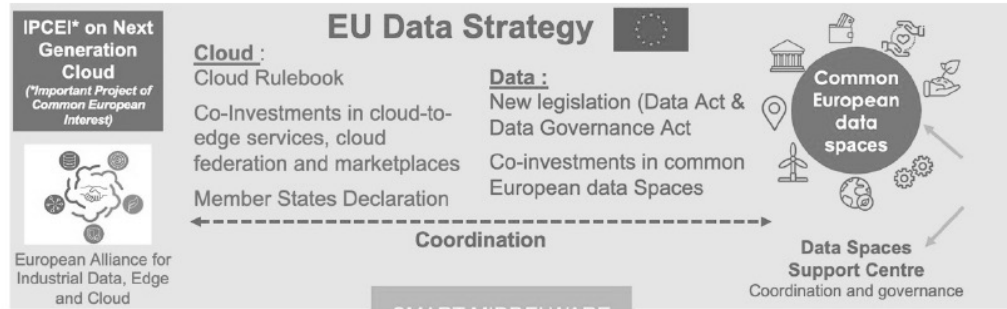
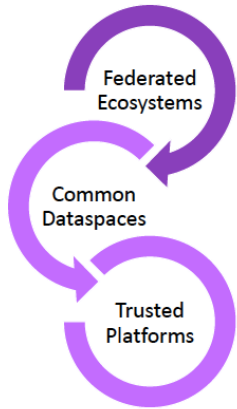
Why Gaia-X?



Espais de dades. Gaia-X



How does Gaia-X fit into it



SMART MIDDLEWARE

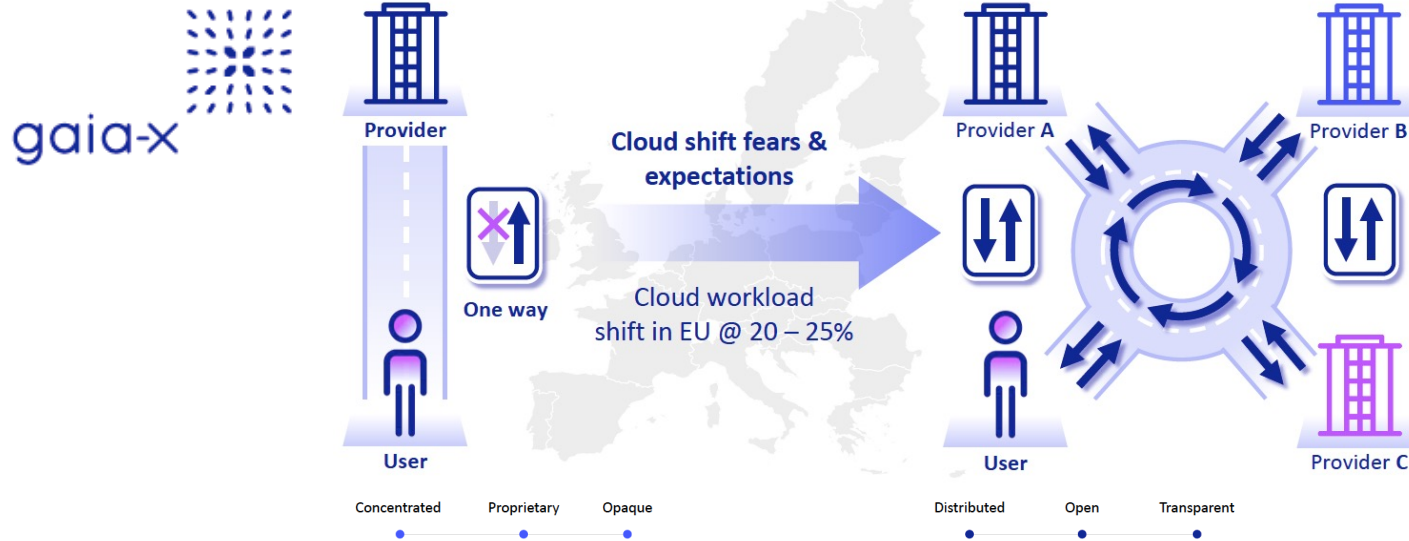
Federation & interoperability standards

Complementing & integrating private and public initiatives, e.g.:

Use cases; technical architecture



Espais de dades. From cloud to Gaia-X



Users LET Control



Users GET Control

Espais de dades. Què és Gaia-X?



What Gaia-X Is Or Is Not



Gaia-X Is

- > A single point of definition of Gaia-X architecture & rules
- > Making available an open implementation to all
- > A qualification authority for Gaia-X compliance



Gaia-X Is Not

- > A formal standardization body
- > A SW or HW product or cloud platform
- > A runtime implementation of any Gaia-X service



Gaia-X vs. Association

- > Gaia-X project is driven by the Association
- > Gaia-X architecture is developed by the Association members
- > Gaia-X services will not be operated by the Association



Espais de dades. Projectes en marxa a Gaia-X



<https://catena-x.net/en/>

Automotive Supply Chain



<https://agdatahub.eu/en/>

Agriculture



Structura-X

<https://bit.ly/3aJYgZL>

Manufacturing, Industry 4.0



<https://smart-connected.nl/en>

Electronics Supply Chain



<https://euprogigant.com/en/>

Manufacturing, Industry 4.0



<https://mobility-dataspace.eu/>

Mobility

Espais de dades. Qui hi són a Gaia-X?



350 companies and organisations



3 out of 4 organisations are private companies, **about half** of which are SMEs*



Organisations from different industries, such as Mobility, Energy, Manufacturing, Finance etc.



Large Companies



SMEs



Start-Ups



Universities



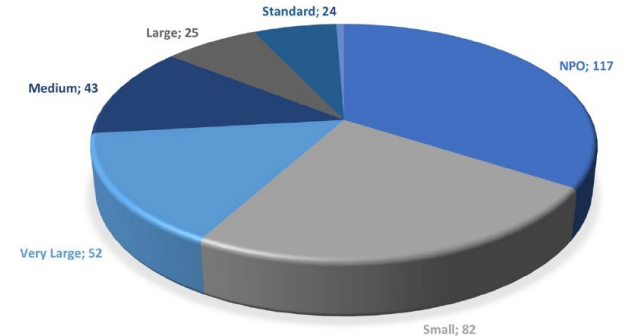
R&D



Associations



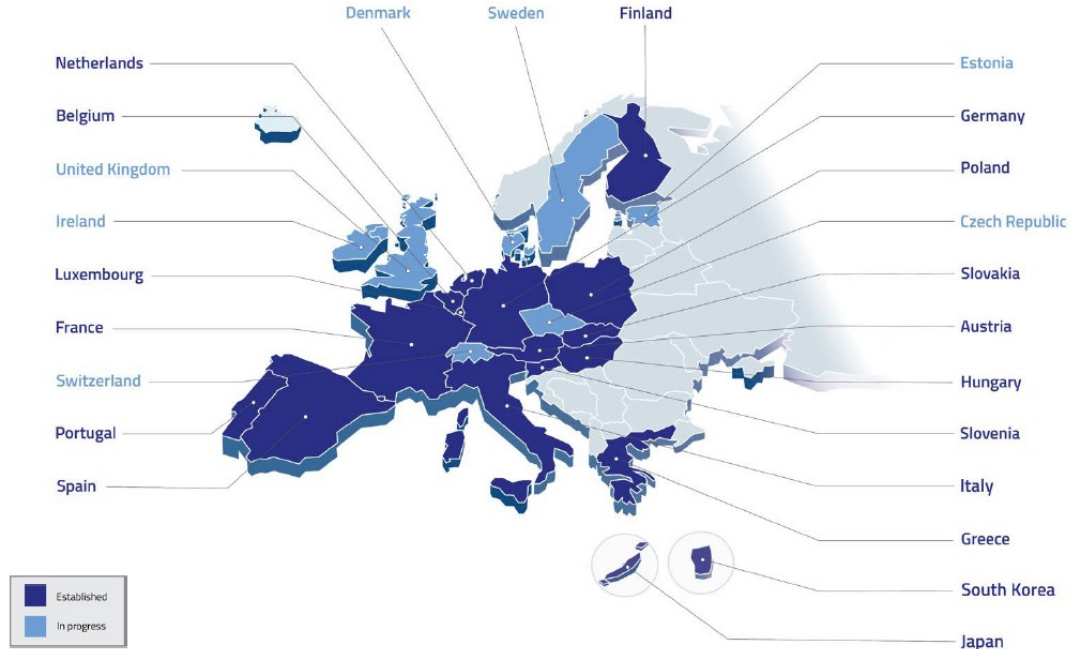
Public Sector



Espais de dades. Qui hi són a Gaia-X?



Gaia-X International Hubs (15 EU + 1 non-EU + 1 non-EU collaboration)



Espais de dades. Què hi ha en marxa?



gaia-x	Health	Manufacturing / Industry 4.0	Mobility	Agriculture	Energy	Geoinformatics / Space	Smart Cities	Finance	Tourism	Green/Circular Economy	Media	Skills & Education
Austria						X			X	X		
Belgium			X	X		X					X	
Finland			X	X						X	X	
France	X	X	X	X	X			X				X
Germany		X	X					X				
Greece		X			X							
Hungary	X	X	X	X	X							
Italy	X	X				X						
Luxembourg	X					X		X				
Netherlands	X	X	X	X	X						X	
Poland	X	X		X	X			X				
Portugal	X				X		X		X	X		
Slovakia	X	X	X			X						
Slovenia	X	X		X			X			X		
Spain	X			X					X			
UK	X				X		X	X				
Japan		X										
South Korea		X										
Count	11	11	7	8	7	4	4	5	3	4	3	1





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<https://www.linkedin.com/company/gaia-x-aisbl>



<https://www.facebook.com/Gaia-X-Association-for-Data-and-Cloud-111692924764099>



<https://www.youtube.com/channel/UCB5WMc2FfrxKzfd7XIODoMw>



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