



A short introduction to Gaia-X

Center Meeting 9.6.2021 Martin Matthiesen



Gaia-X: The official truth

Gaia-X represents the next generation of data infrastructure: an open, transparent and secure digital ecosystem, where data and services can be made available, collated and shared in an environment of trust.

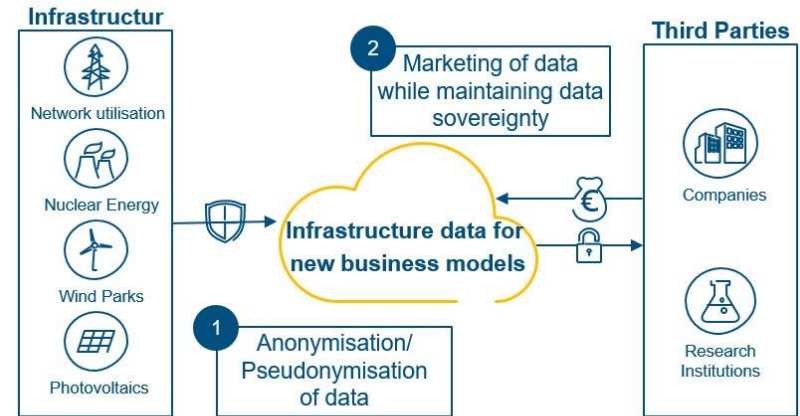
Source: <https://www.gaia-x.eu/>

Envisaged Building blocks

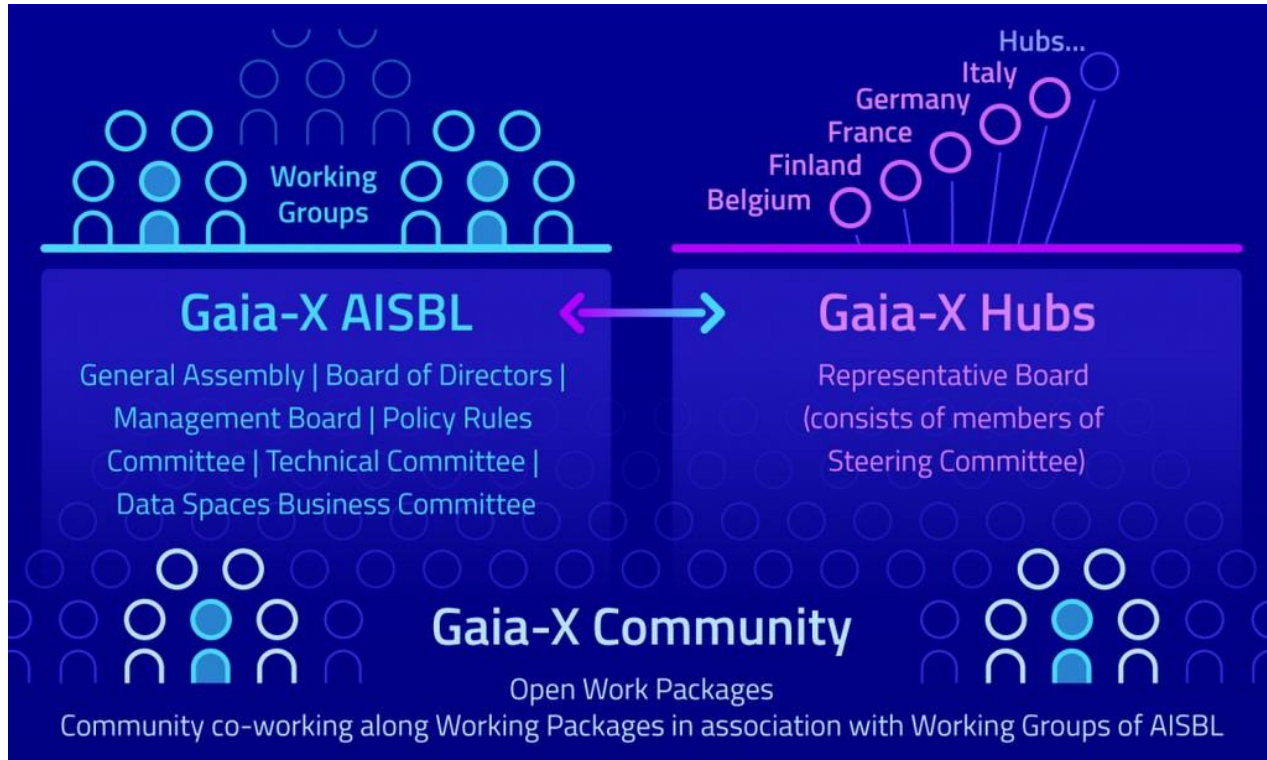
- Commonly agreed policies
- Single Sign On
- Well defined Self-Descriptions of
 - Participants
 - Services Offerings
 - Service Instances
- Unique (persistent) Identifiers
- Verifiable Credentials
- Service Instance endpoints can communicate with each other.

Gaia-X: Use Case Infrastructure Data

- Energy companies create large amounts of data which they would like to offer for processing
- Data is sensitive (to them)



Structure of Gaia-X

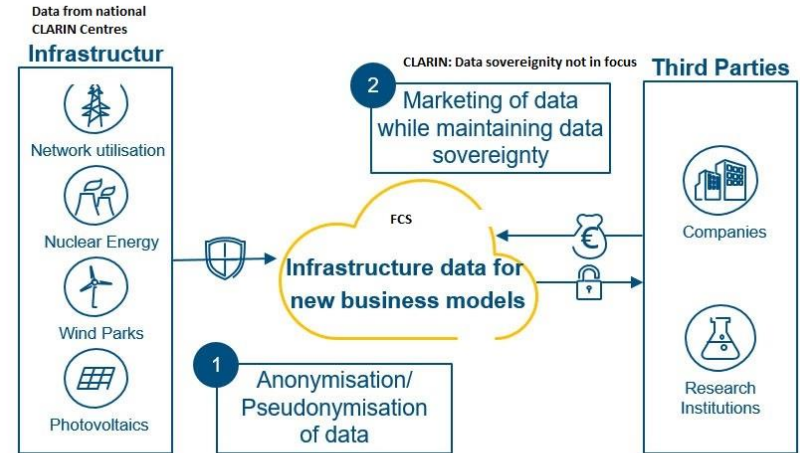


Envisaged Building blocks compared to CLARIN

- Commonly agreed policies [CTS, Center Certificates]
- Single Sign On
- Well defined Self-Descriptions [~CMDI] of
 - Participants [Centre Registry]
 - Services Offerings [VLO, national catalogs]
 - Service Instances [~ Downloadable data, Weblicht, Korp...]
- Unique (persistent) Identifiers [Handles]
- Verifiable Credentials [~SPF]
- Service endpoints can communicate with each other. [FCS, Switchboard]

The Gaia-X Use Case mapped to CLARIN

- Language researchers create large amounts of data which they would like to offer for processing
- Data is sensitive.



Structure compared to CLARIN



Gaia-X: Conclusion

- Broader scope to CLARIN.
- Goals are somewhat similar.
- Promotes new technologies like SSI
- Not yet ready for adoption
- Worth monitoring

References

- Gaia-X home: <https://www.gaia-x.eu/>
- “Operational Handbook”: <https://gaia-x.gitlab.io/gaia-x-community/operational-handbook/>
- Infrastructure Data: <https://www.bmwi.de/Redaktion/EN/Artikel/Digital-World/GAIA-X-Use-Cases/infrastructure-data-for-new-business-models.html>
- On SSI: https://www.switch.ch/export/sites/default/about/innovation/.galleries/files/SWITCHInnovationLab_IDAS.pdf



Thank you!

Time for questions.



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