

## A holistic team tackling the issue during 3 weeks



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# 3-week prestudy sprint with LVM on data governance model

#### What we focused on





#### There's already a lot of happening on a deeper level







# Goal was to provide a holistic view to data governance model and provide alternative insights

#### The goals of the prestudy:

- To provide a holistic view to a EU-level data governance model and to offer alternative point-of-views regarding data governance
- Not to define the vision nor to create the data governance model itself
- To create a common ground and shared vocabulary for decision-makers to ease the discussion and collaboration on EU-level data governance.
- Start bridging the gap between high level documents, such as the Finnish and EU-level principles of data economy and data strategy, and the more detailed proposals such as Project GAIA-X.



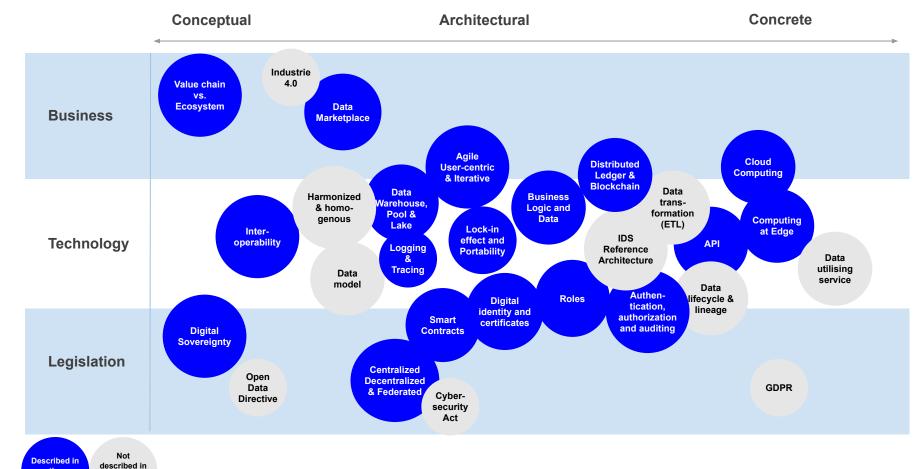


## **Prestudy content**

- 1. Introduction
- 2. Vocabulary and concepts
- 3. Critical factors in data governance model
- 4. Case study: Project GAIA-X
- 5. Conclusion and other findings

Appendix





the

vocabulary

the

document



## **Data Marketplace**

#### **Description**

Similarly to how the exchange of goods is arranged in the real world marketplace, efficient exchange of data will need mechanisms for discovery of data providers, building of trust among them, payments, tracing and so on. Data Marketplace is an umbrella term encapsulating all these functions, with no direct link to a specific technical "service" or platform. In a federated governance model discovery is most likely arranged in the form of publicly hosted data directories, whereas payments could be arranged directly via parties or through various data transaction services.

#### Why is this important

Data Marketplace can be arranged as a public or semi-public service, and there is a great variety in the ways certain elements may be included in the service or not. It's likely people have very different sort of simplified ideas of how it could work.

#### Our insights

Instead of building more hype around the subject matter, it's important to start to clarify practical questions, such as "how do we discover all the data directories, how could the search work, how could we make a deal and pay for the data?".

#### This relates to:

Business models

Governance



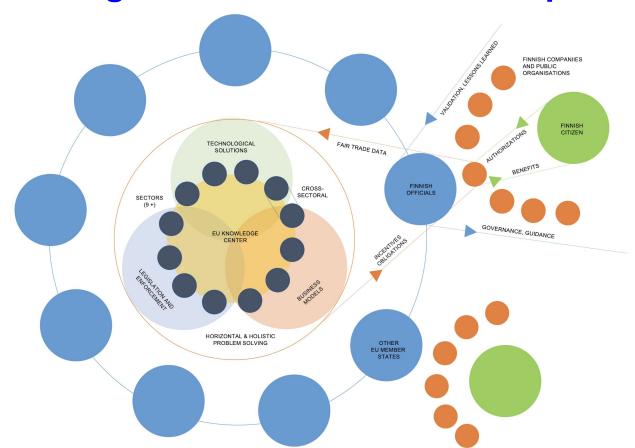
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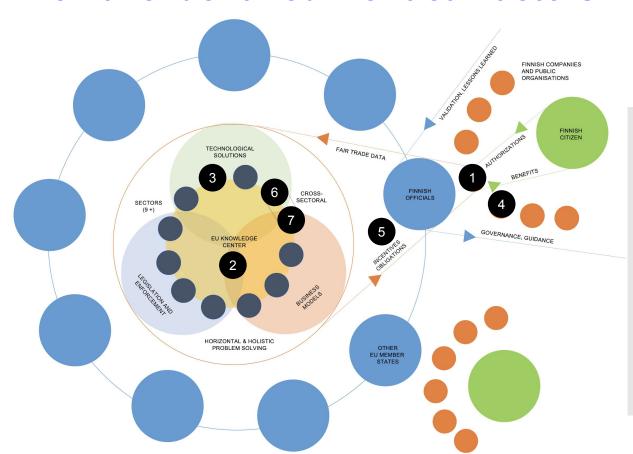


## Data governance in EU is a complex environment





## We have identified 7 critical factors



- We need information about data possessions
- Our current faculties and vocabularies are restricting
- Personal identifiable data is gathered in all sectors
- Companies' hopes of profit and fears of failure need to be addressed
- We need a solid concept combining incentives and obligations
- Siloes drive the development but cripple the innovation
- Cross-sectoral development could benefit from machine learning



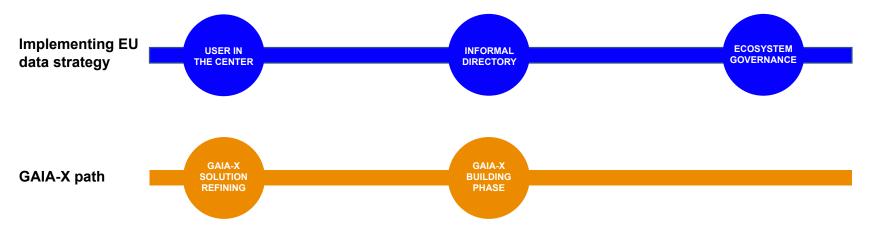
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## GAIA-X proceeds, but a user-centric track is needed





## **User-centricity in directory creation and data governance**

Plan how you can gradually create an informal data source directory

- Describe the concept proposal properly
- Define who should be involved in planning, how it will relate to GAIA-X, which sectors and user groups are most important to start with?

Understand companies & SMEs better: What barriers and fears do they face?

- Create a series of service design and futures thinking workshops to address key hopes and fears of SMEs
- Communicate your findings well
- Investigate how MyData will be implemented in the directory / whole data governance model
  - Benchmark MyData architectures and see which would fit EU data governance needs
  - Investigate citizens' needs for the directory

Plan companies' data sharing path

- Co-create a tool for collecting information on data sources (information structure)
- Co-create a model for gradually broadening the directory & making it more detailed
- Educate companies on APIs (next steps)

Proof-of-concept of directory to test and validate with different user groups

- How well does it encourage data sharing?
   How likely user companies would use it?
   How well does it serve data providers and users?
- Make iterations on the model based on the learnings and feedback from users
- Plan how to ensure maximum amount of providers, while maintaining systematic directory
  - Gather insights and creative ideas on how to incentivise and obligate companies to share
  - Gather and communicate success cases and pilot projects on data sharing
  - Tackle problems of uneven development in different sectors

Ensure possibilities to build (AI) solutions on top of the directory

- Benchmark platform ideas for creating Al-powered solutions on top of incommensurable data sources
- Pilot AI use of data source information?

Recognize that an EU-level organ is needed for horizontal development

- Crystallize the challenge and philosophical foundations for collaboration in the new organ
- Plan the initial roles, responsibilities and focus areas
- Create a solid concept of incentives and obligations to the companies
  - Showcase Finnish prestudy on incentives and obligations
  - Emphasise SME viewpoints

Plan how to incentivise cross-sectoral success cases

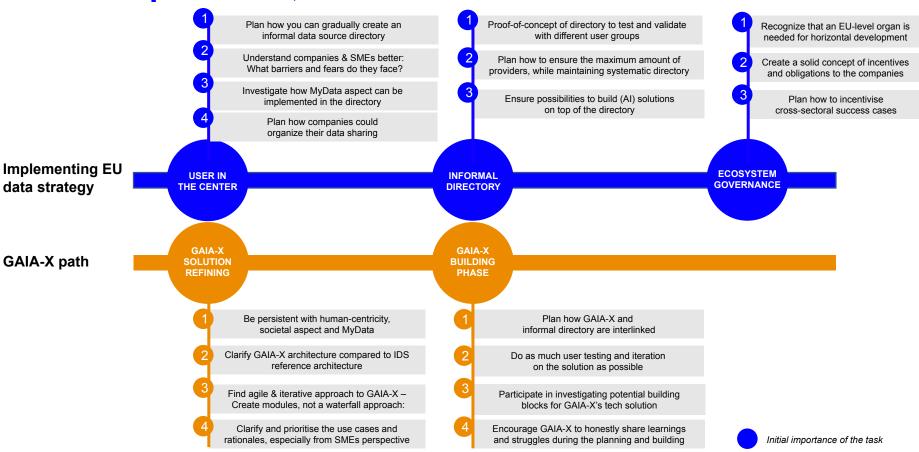
- Promote findings from Finnish pilots
- Encourage new cross-sectoral use cases with campaigns and gamification

Implementing EU data strategy

1 USER IN THE CENTER 2 INFORMAL DIRECTORY ECOSYSTEM GOVERNANCE



## GAIA-X proceeds, but a more user-centric track is needed









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