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# GAIA-X 4 PLC-AAD

Building a data ecosystem for the product life cycle of automated lane keeping systems

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Finanziert von der Europäischen Union
NextGenerationEU

Gefördert durch:
Bundesministerium für Wirtschaft und Klimaschutz
aufgrund eines Beschlusses des Deutschen Bundestages

# Project structure

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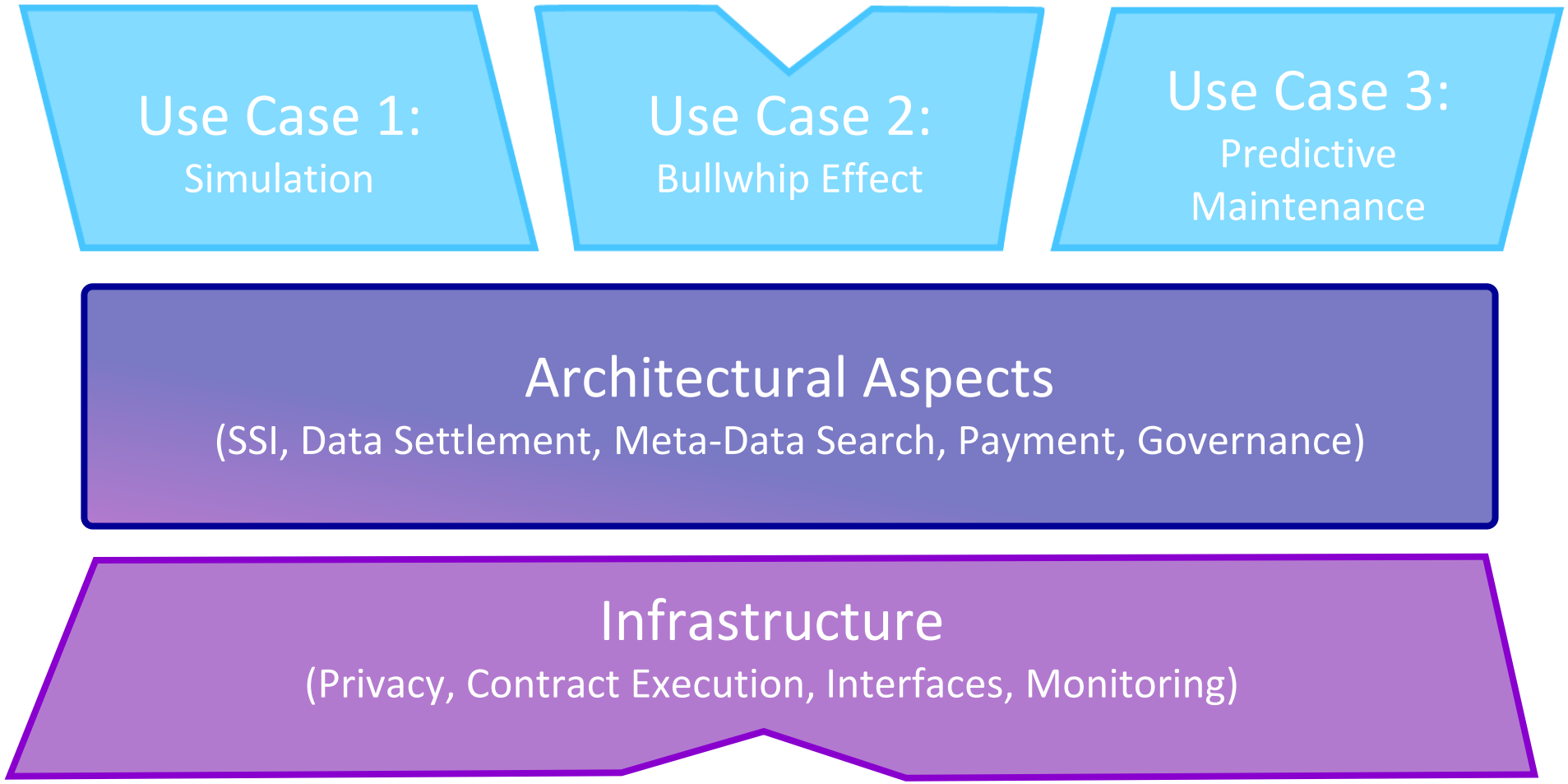
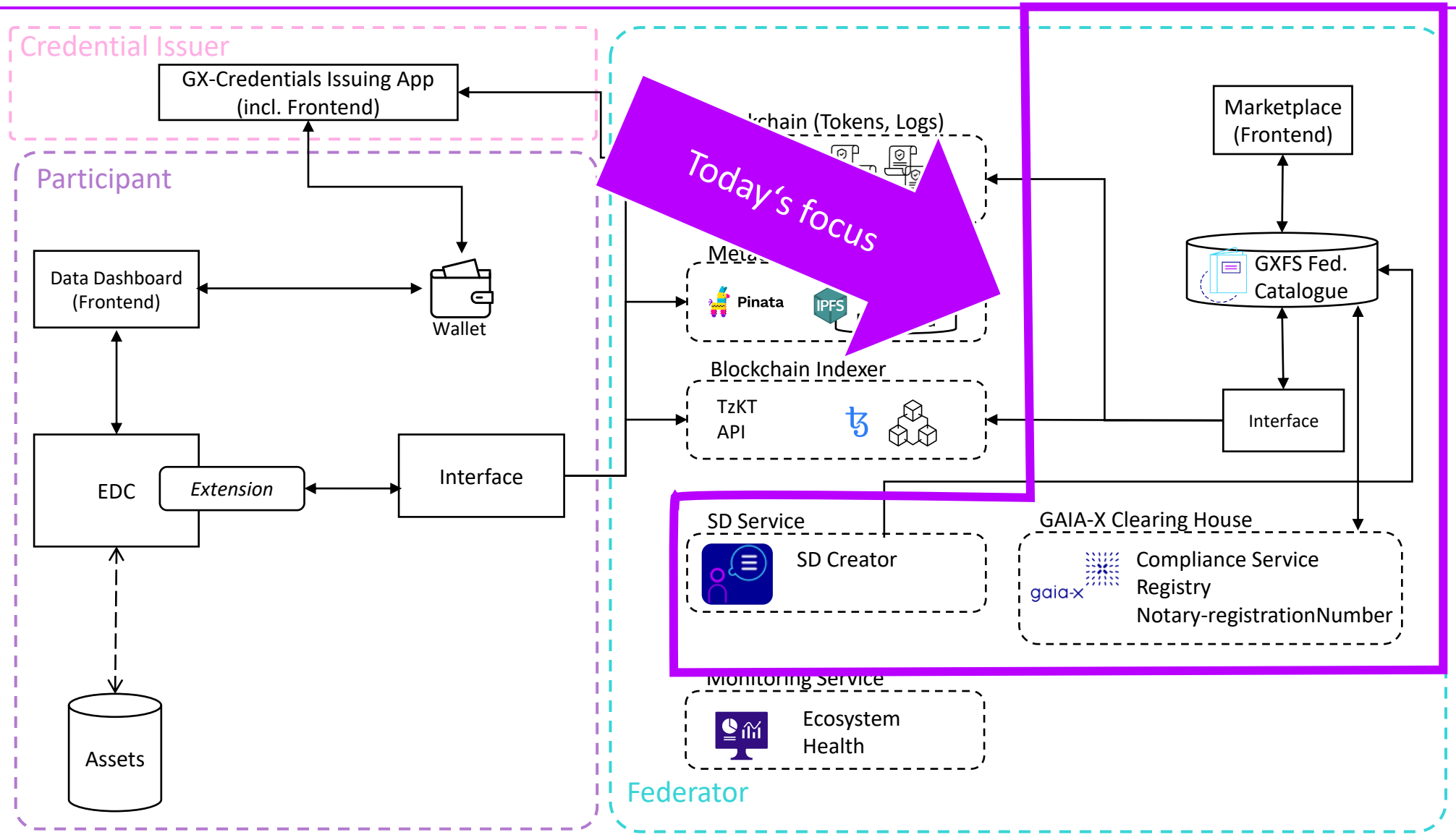
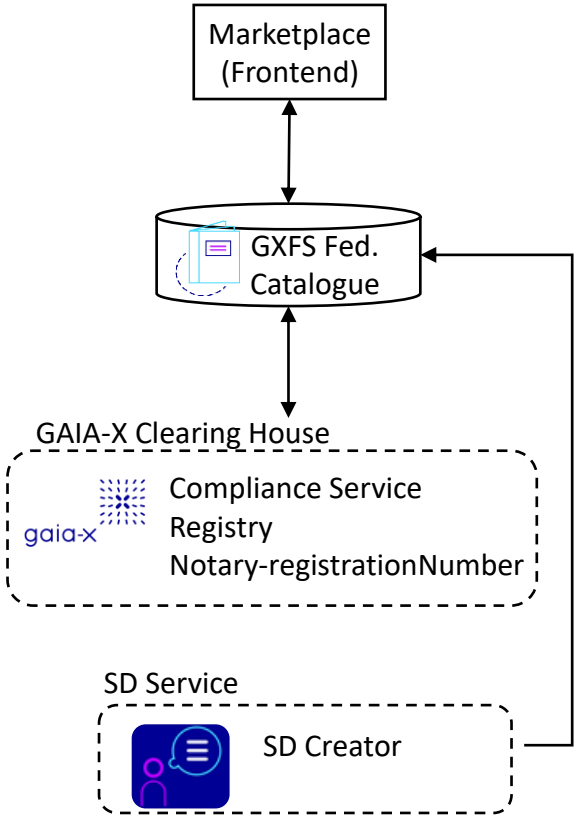


# Overall architecture



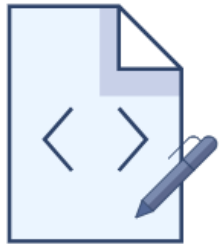
# Quick Overview of the GXFS Federated Catalog in our architecture

- Backend of our marketplace/portal used to search for data
- Centralized storage for Self Descriptions and defined shapes in the data ecosystem
- Uses self hosted GAIA-X Registry to verify Self Descriptions
- Own implemented open source tool to create and sign Self Descriptions and send them directly to a GXFS Federated Catalog instance (SD Creator)

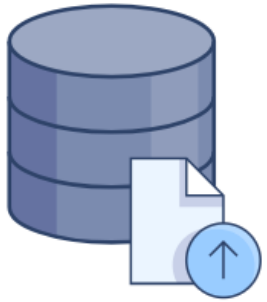


# Current Workflow in Use Case 2: Use of the Federated Catalog

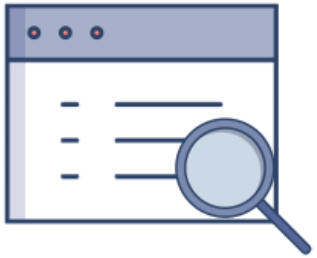
Implementation of a process that extracts metadata from survey as claims



Claims are converted to valid signed self descriptions with the SD Creator

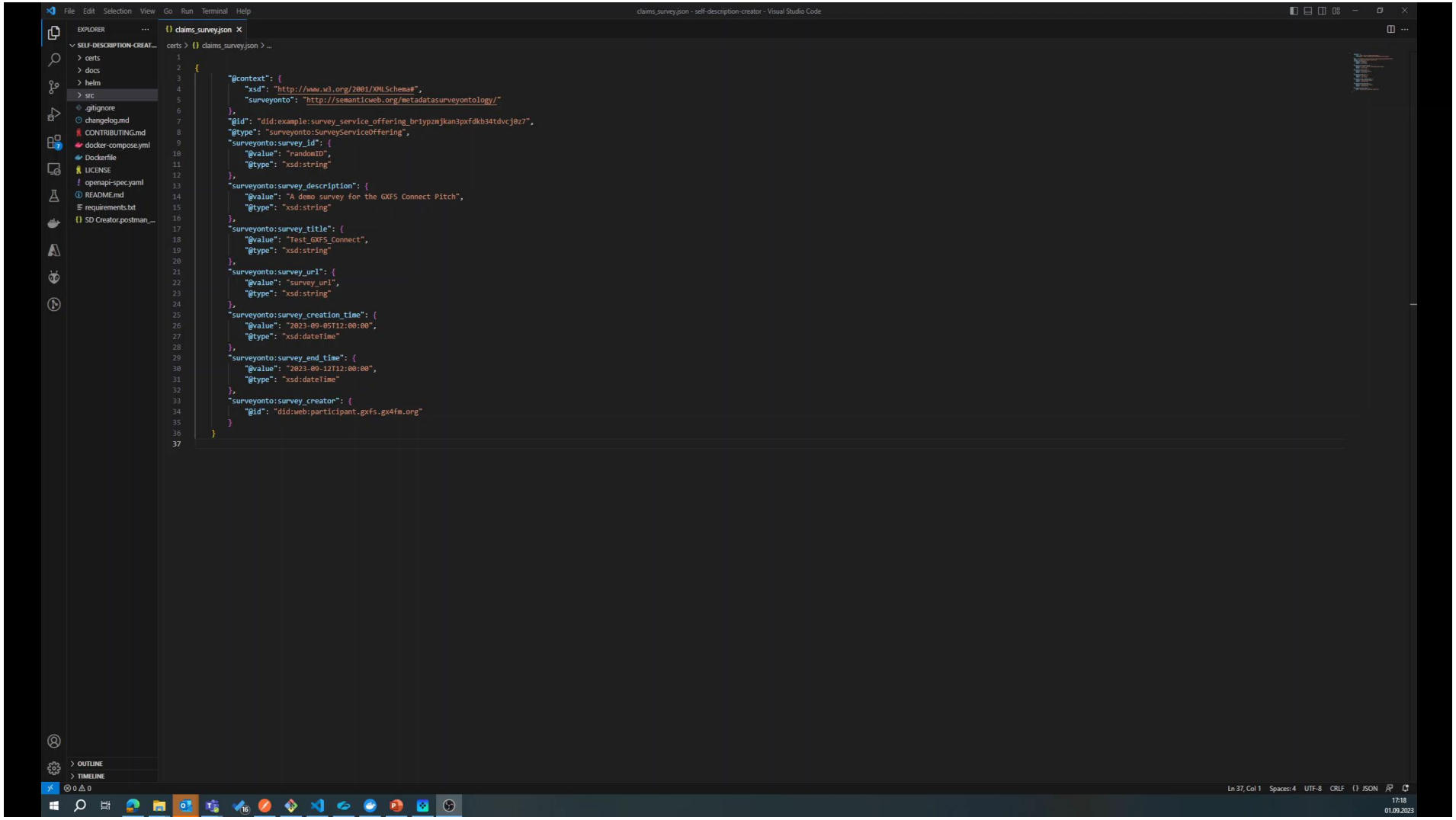


With the help of the SD Creator these Self Descriptions can then be loaded into the Federated Catalog



With the use of the FC the survey can be found in our portal

# Demonstration



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# Thanks for your attention!
# Questions

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