



An ITEA Smart engineering project

SmartEM



Open reference architecture for engineering model spaces

Project summary

SmartEM aims to address the limitations of current engineering models by developing a reference architecture for engineering model spaces. The architecture will enable the reuse, exchange and integration of computational engineering models, reducing the need for costly design corrections and promoting early data and model exchanges. SmartEM will use AI-assisted methods to create surrogate models from heterogeneous data sources and allow their re-combination within a given engineering domain.

Consortium



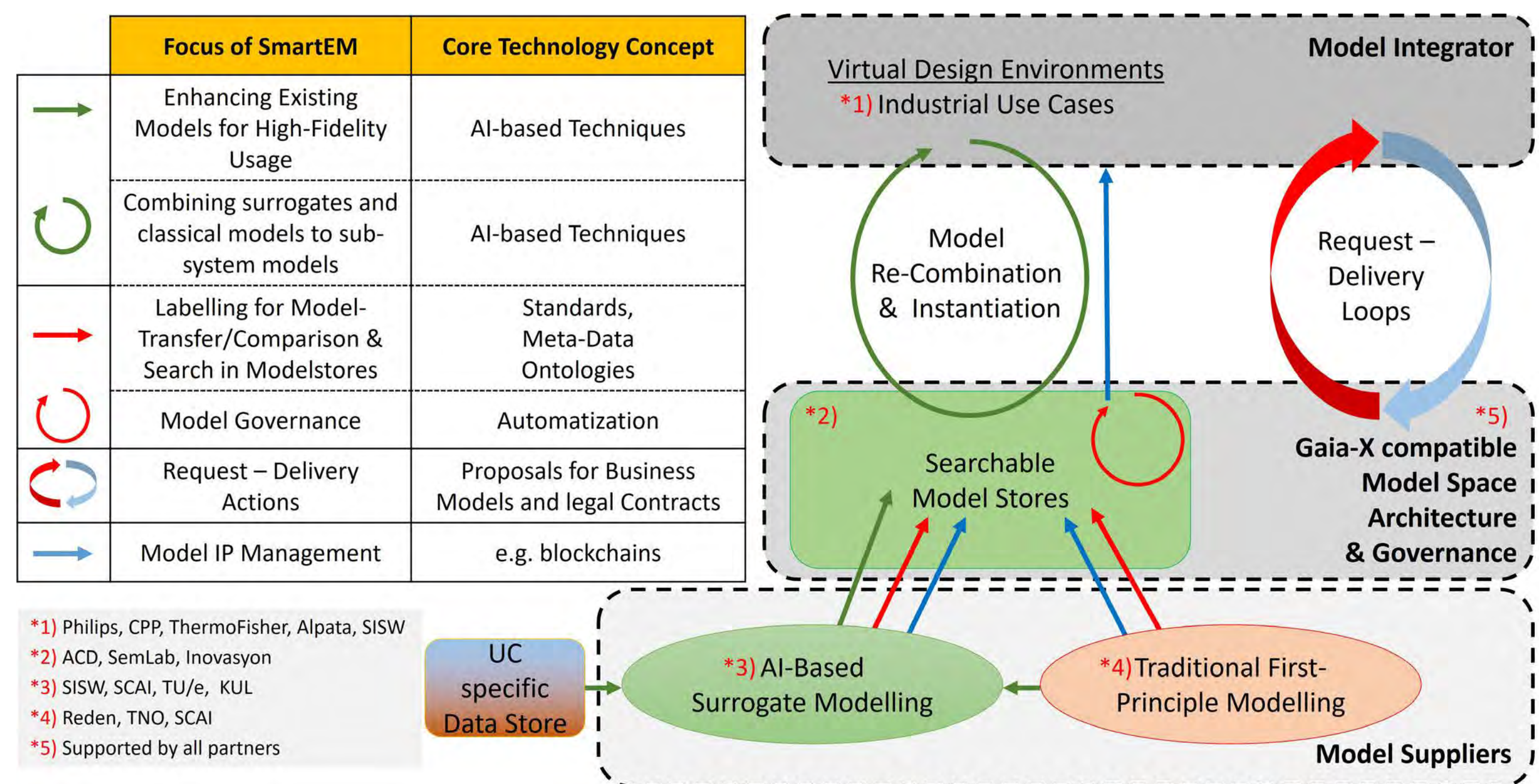
Project duration

April 2024 - March 2027

Expected key results

- Engineering model spaces' reference architecture
- AI-assisted methods to create surrogate models
- Rules for model labelling and governance concepts
- IP management to enable exploitation of models
- Model space implementations for use-cases
- Business benefit: Reduction of development times

SmartEM Solution concept



ITEA 4 Project
webpage



[https://itea4.org/
project/smartem.html](https://itea4.org/project/smartem.html)

Project website



smartem.store

Contacts



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This ITEA project is supported by:

