



An ITEA Smart Engineering project

SmartEM



Open reference architecture for engineering model spaces

Project summary

SmartEM develops a reference architecture for engineering model spaces which enables the reuse, exchange and integration of computational engineering models, reducing the need for costly design corrections and promoting early data and model exchanges. SmartEM uses AI-assisted methods to create surrogate models from heterogeneous data sources and allow their re-combination within a given engineering domain.

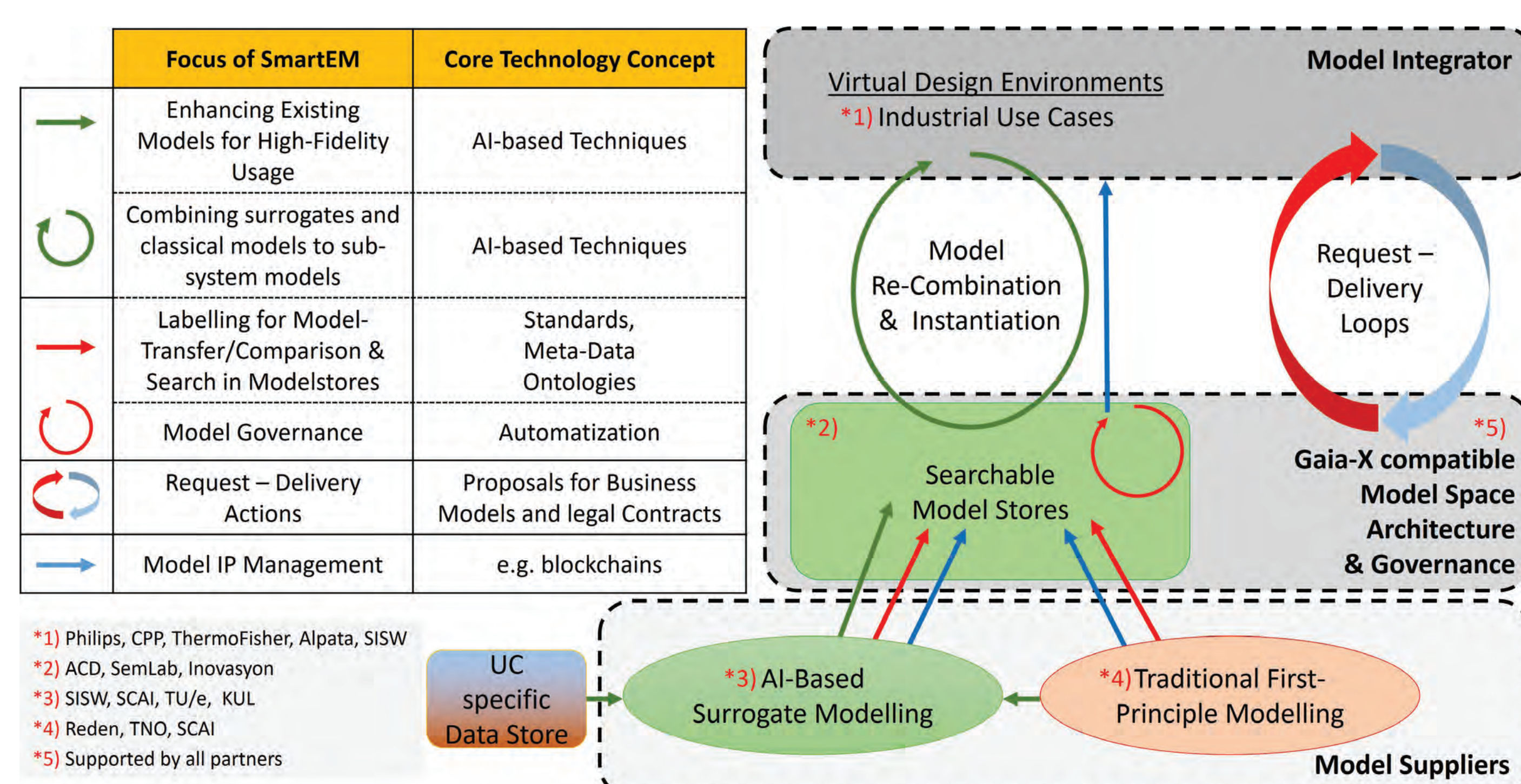
Project duration

April 2024 - June 2027

Consortium



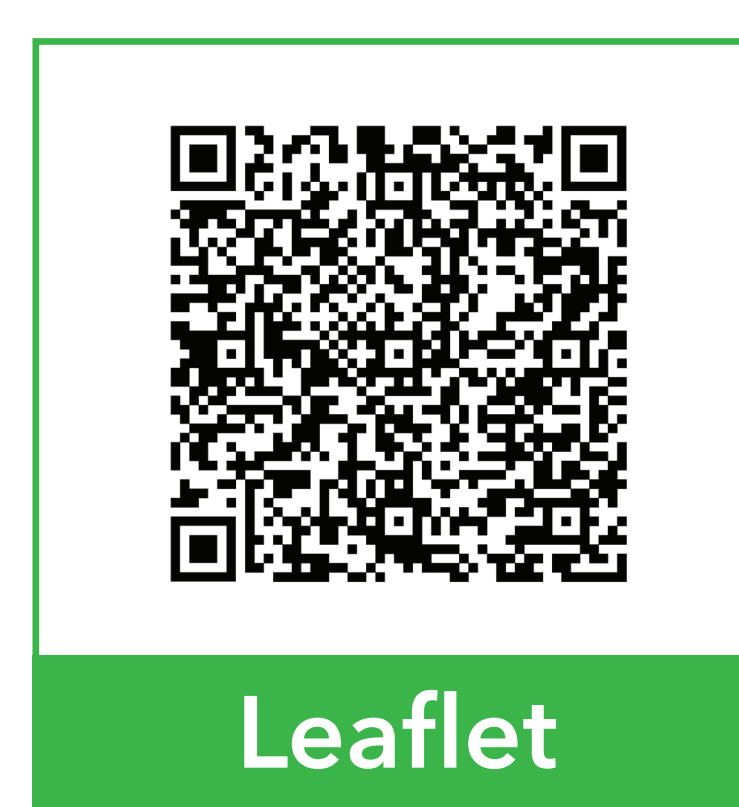
SmartEM Solution concept



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

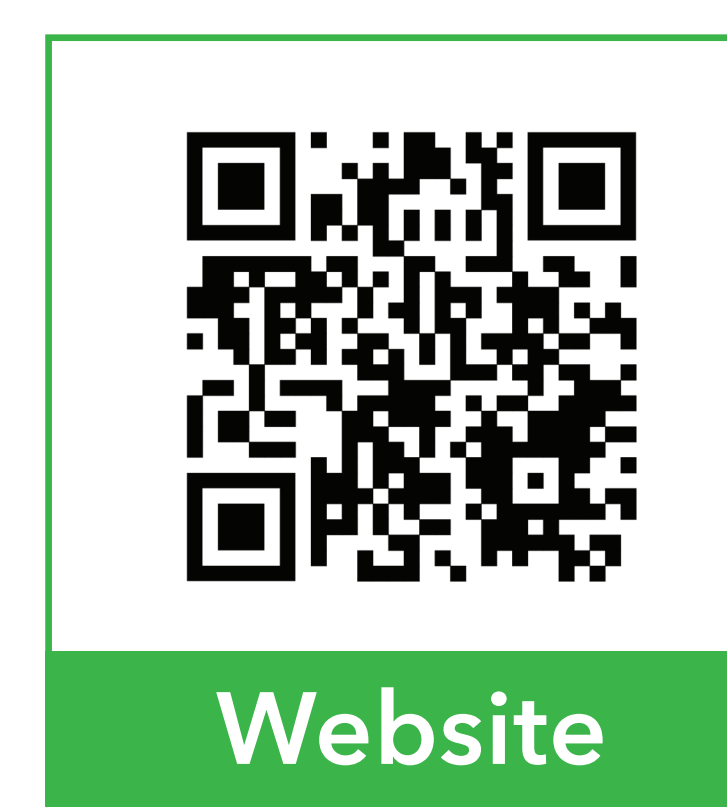
This ITEA project is supported by:



Leaflet



Project Page



Website



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