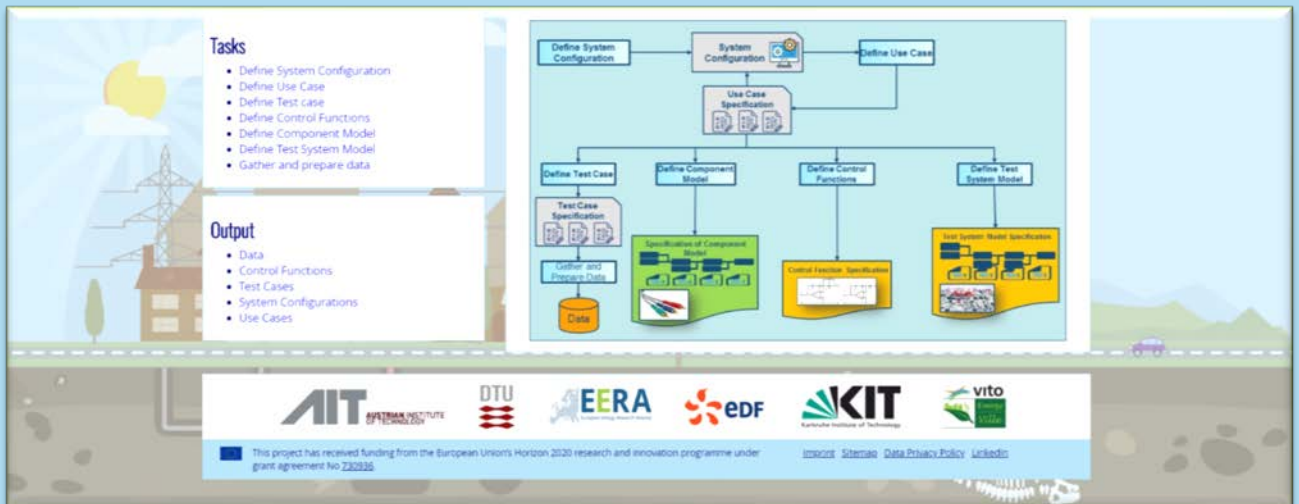


Shared Data & Information Platform

By Clemens Döpmeier

Keywords: Open source, energy system data, modeling examples



Key Advantages

You save 50% from idea to implementation and producing analysis results in a complex system modelling project by stream lining workflow.

Data & Model Platform manages all results (e.g. also sub-models) for complete project documentation and makes them long term accessible and reusable.

Who profits from SDIP?

Engineering and research groups...

- Performing energy system modelling and analysis regularly

Team Leaders ...

- Who need to manage and monitor system modelling projects
- And need to foster better reusability and sharing of results

What do you get?

A Web Platform for streamlining the modelling of complex energy systems by larger teams

- Provides documentation and advice on common methodology
- Supports performing sub-tasks by providing advice and templates for e.g. creating model specifications, capturing system configurations and use cases, preparing test data
- Data and Information Management System providing quick access to all project results (e.g. specifications, models, data, analysis results)

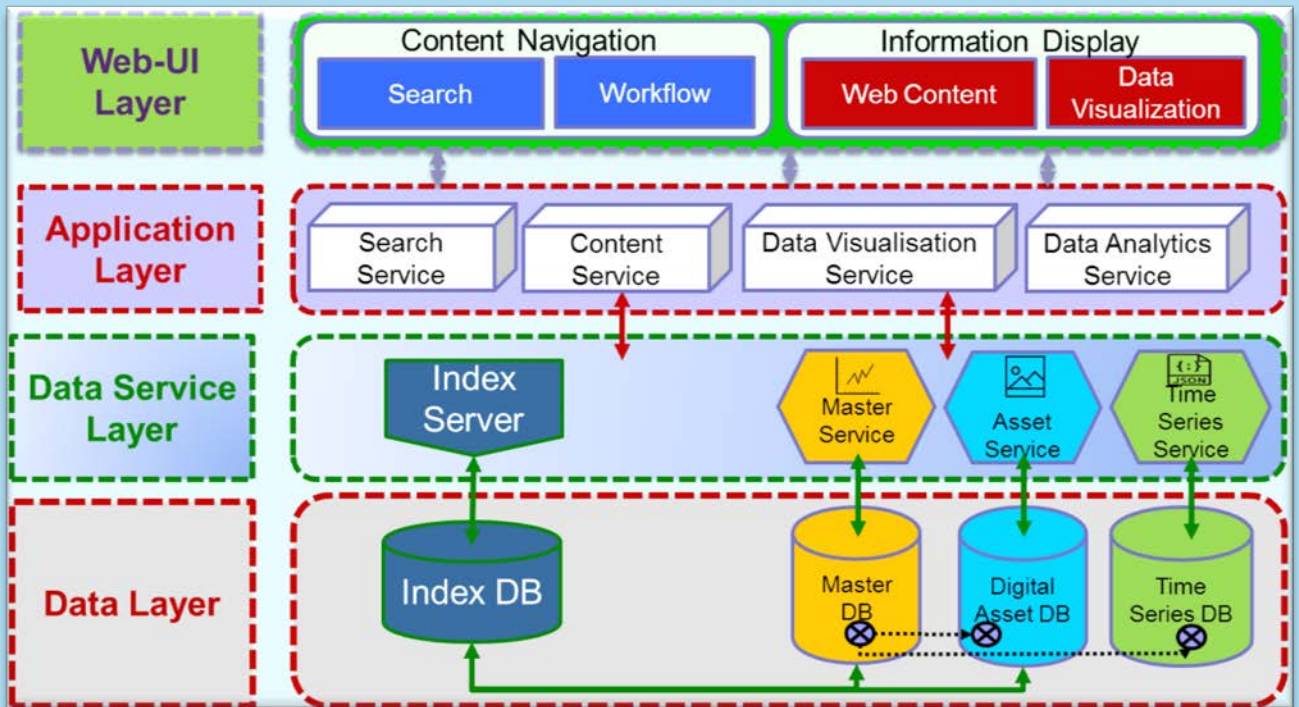
Contact:
sdip@kit.edu



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Our Approach

Integrated, open source Software-as-a-Service solution which runs on premise on own hardware or in the Cloud.

Uses Portal Server as central web-based access point.

Multi-tenant web-based interface and highly scalable.

Flexible and scalable data management by using generic Microservices and NoSQL database technologies.

Early Adopter

- SmILES SDIP
- KIT Energy Lab 2.0
- Helmholtz ES 2050 Project

Open Source Stack

- Liferay Portal Server and Elasticsearch index server as search engine
- Energy Lab 2.0 Generic Data Services (GDS) and Web Components Library for creating web based user interface elements

Contact:
sdip@kit.edu