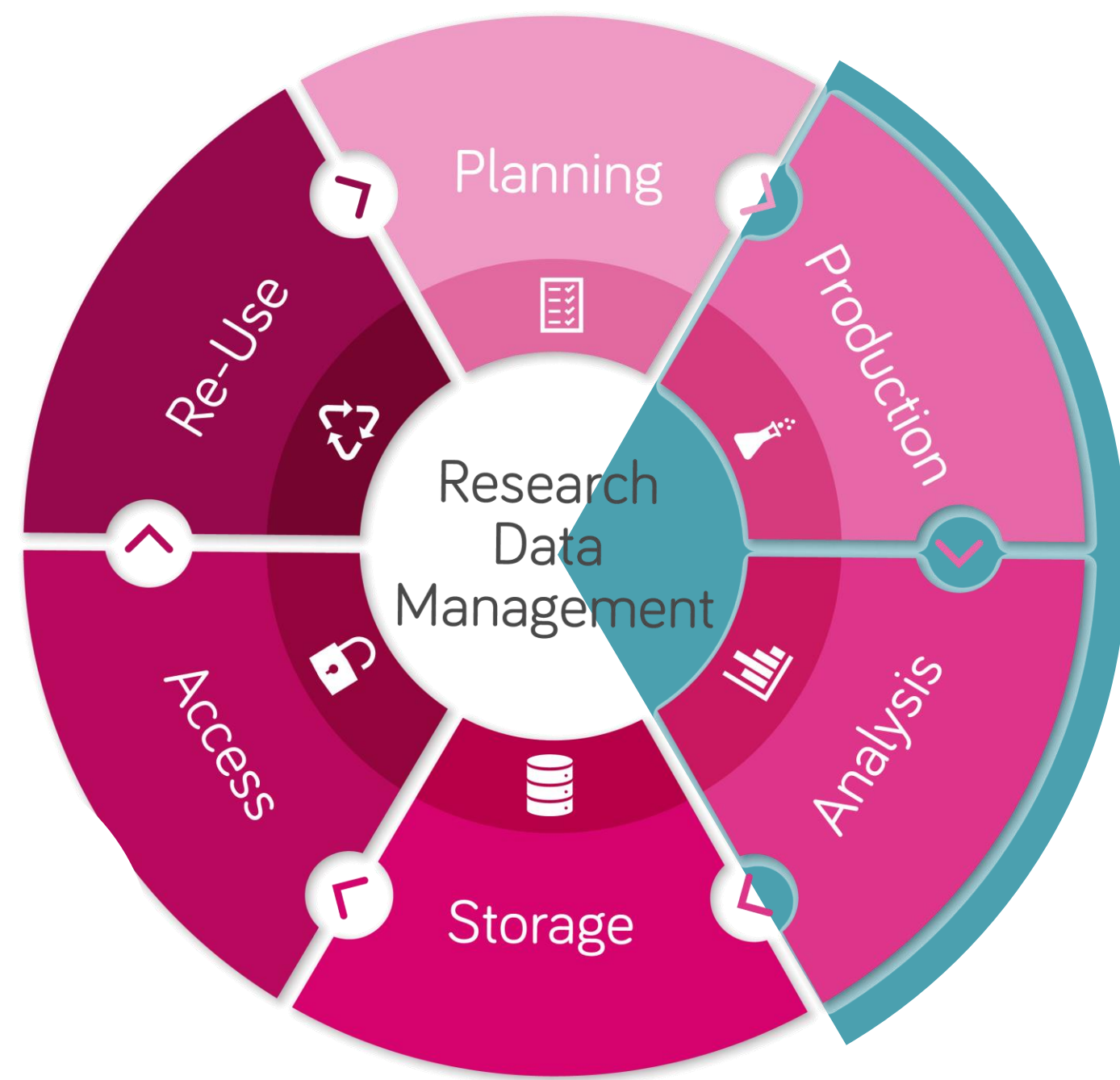


## Objectives



- **mosaik** is a co-simulation framework and aims to reuse and combine existing simulation models to create large-scale Smart Grid scenarios
- **mosaik as a service** aims to enable easy access to co-simulation
- Hosting of simulation server
- Flexible execution of co-simulation scenarios via web interface



Development



Prototype

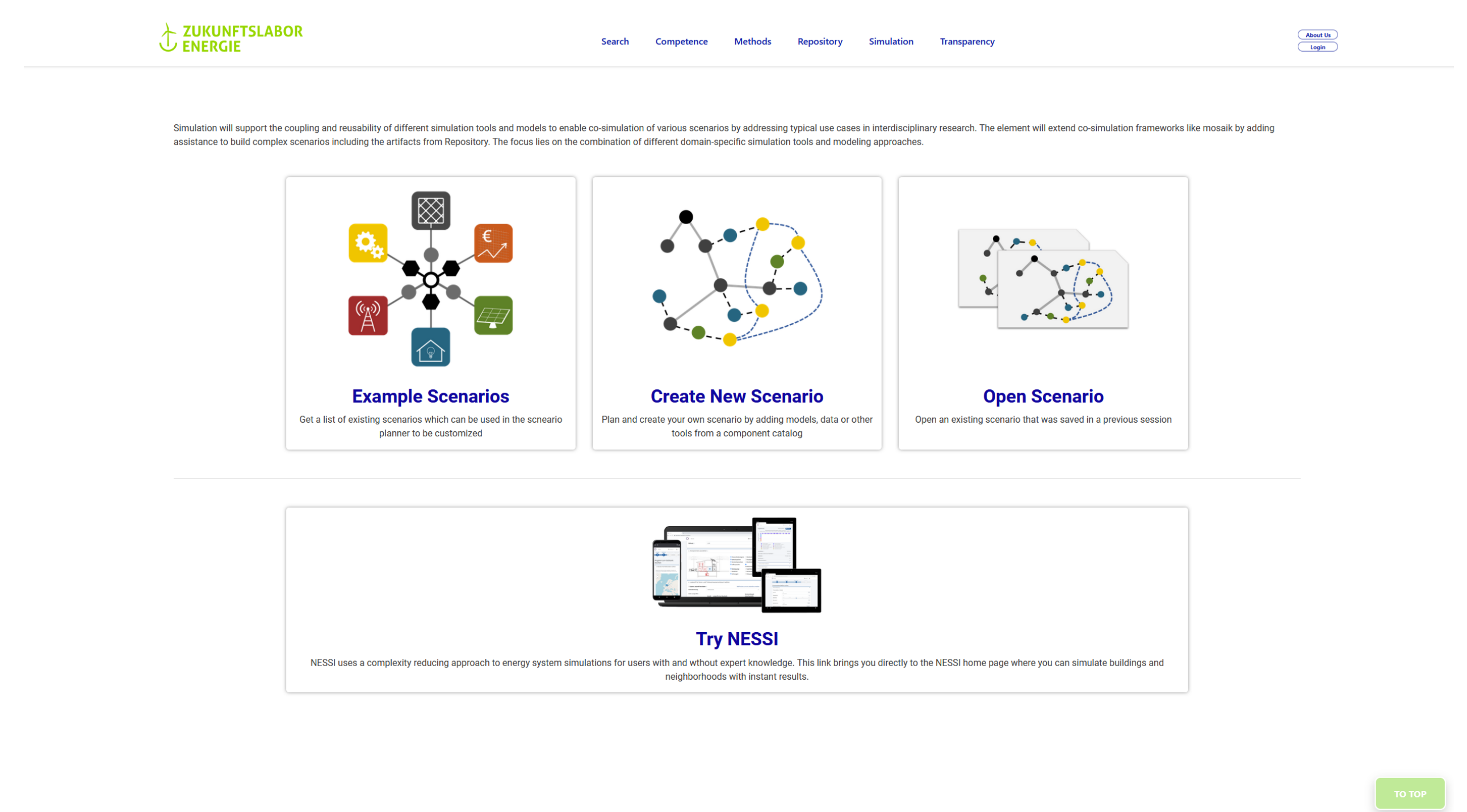


Operation

## Approach

- Integration into Simulation-as-a-Service hub is planned:
- Integration into scenario creation process with interfaces to the simulation software registry (Measure 5.1)
- Scenario description based on scenario ontology (Measure 5.2)
- Execution of scenarios based on docker
- Integrated storage and publication of scenarios and results

- Prototype from ZLE project
- Interface to database of simulation models
- Architecture to execute simulation scenarios



## How to find us

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## Takeaways

mosaik-as-a-Service will be part of the Simulation-as-a-Service hub in NFDI4Energy and make co-simulation easier accessible.

Simulation scenarios and results will be more FAIR.