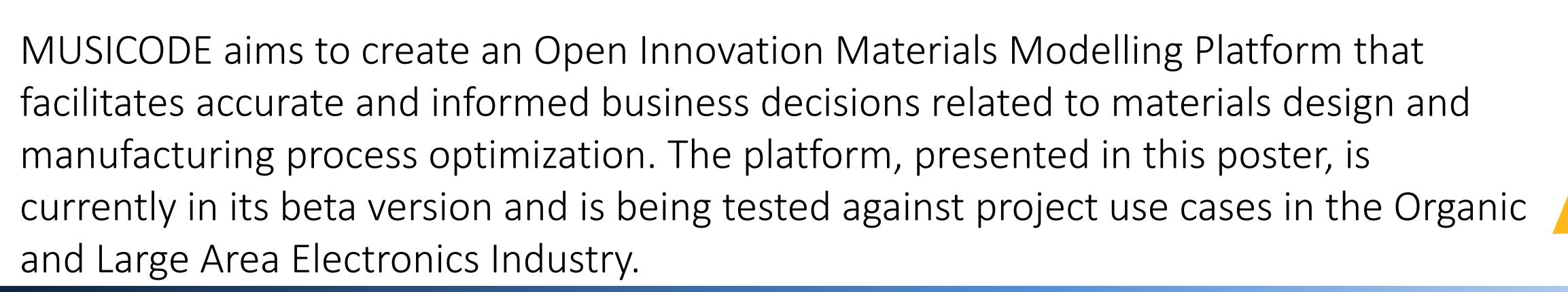
# MUSICODE Open Innovation Platform For Materials Modelling



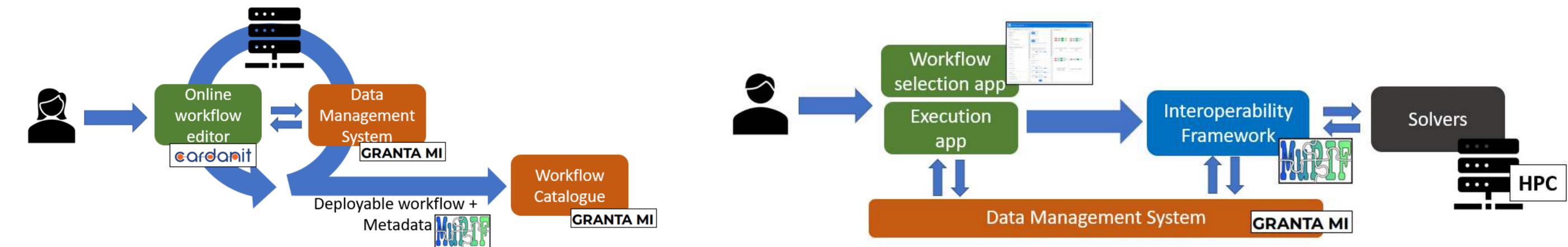


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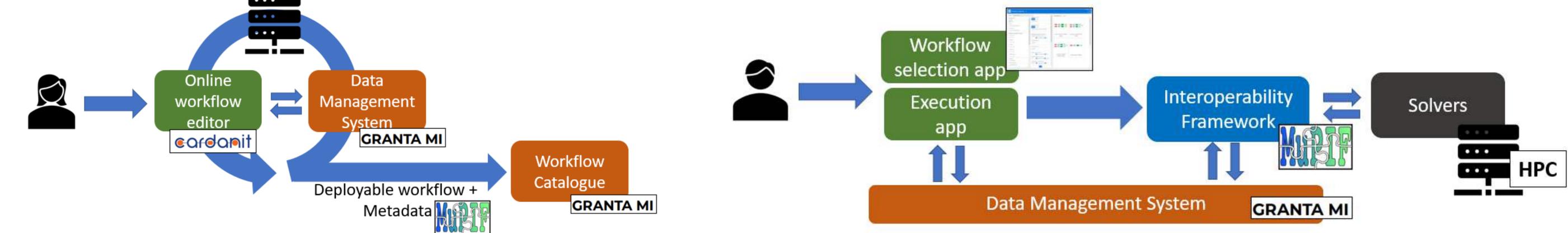


## Target users and use cases:

## Expert Creating workflows

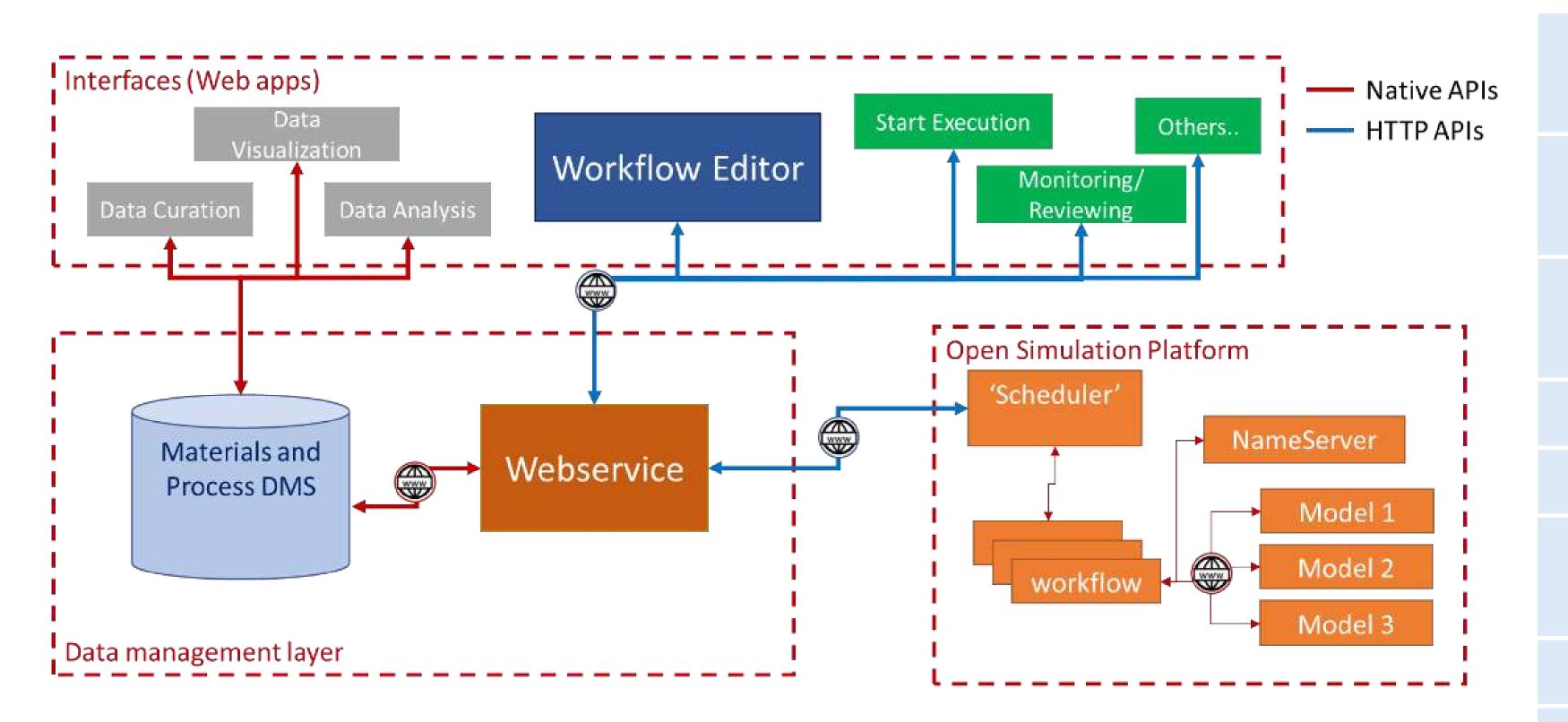


## Non-Expert running workflows:



#### Architecture

### **Key Features**



Poet

Modular and flexible architecture with connection based on http APIs OIDC based single sign-on Authentication and Authorization No-code definition and deployment of preconfigured workflows as web apps Workflow definition based on BPMN standard Centralized Data Management

Full traceability/provenance of simulation/experimental data

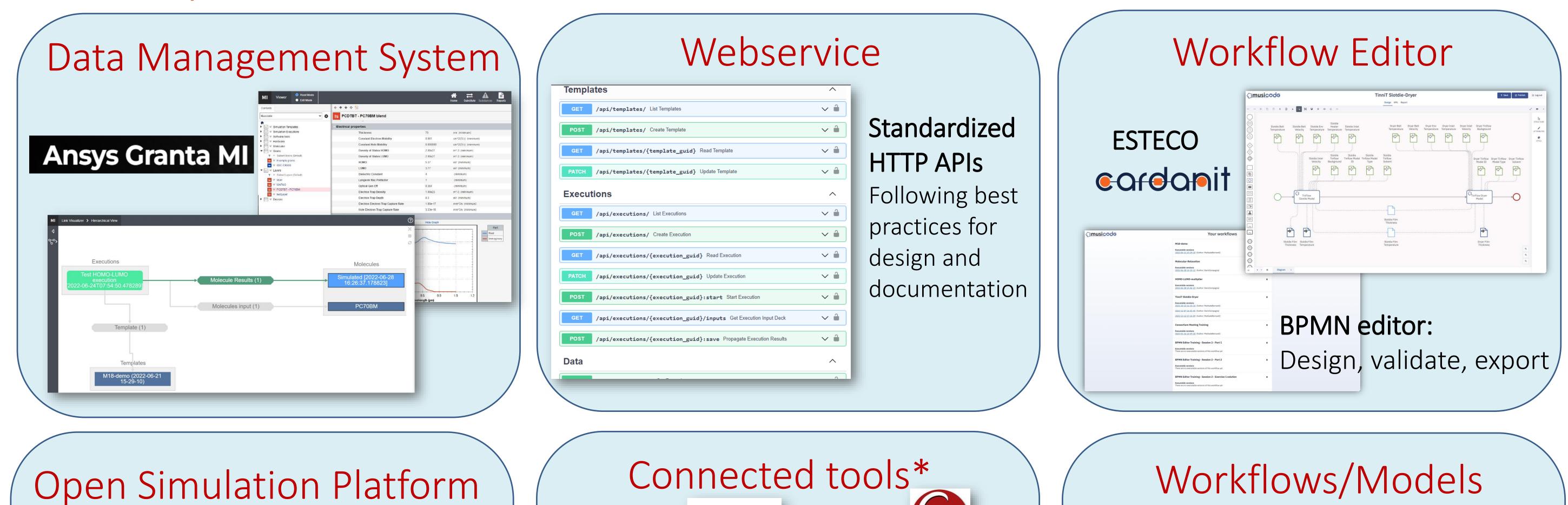
Distributed execution of simulation workflows on HPC

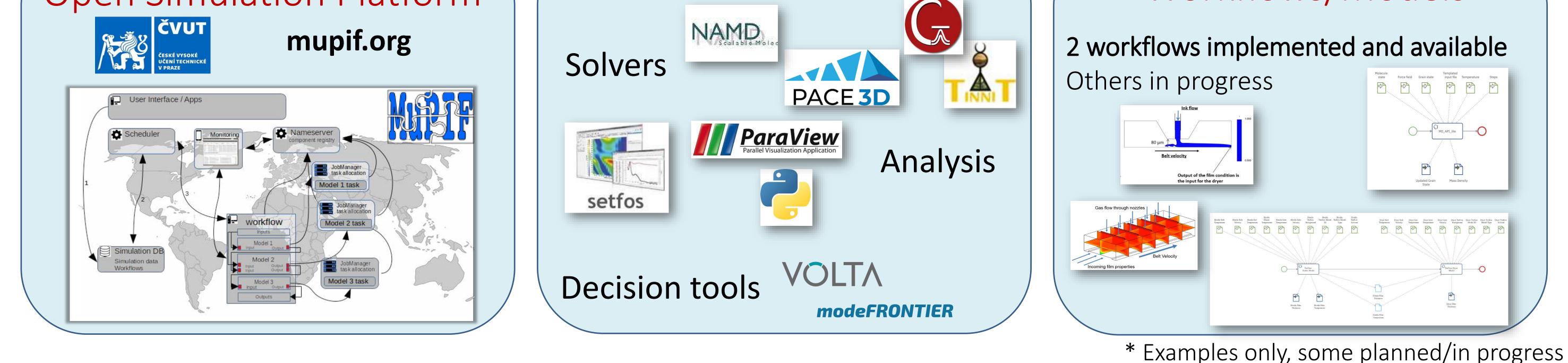
#### Semantic data exchange between models

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**FLUXiM** 

#### Main Components





Acknowledgement:



This project is receiving funding from the European Union's Horizon 2020 Research and Innovation Programme under the Call DT-NMBP-11-2020 "Open Innovation Platform for Materials Modelling".

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