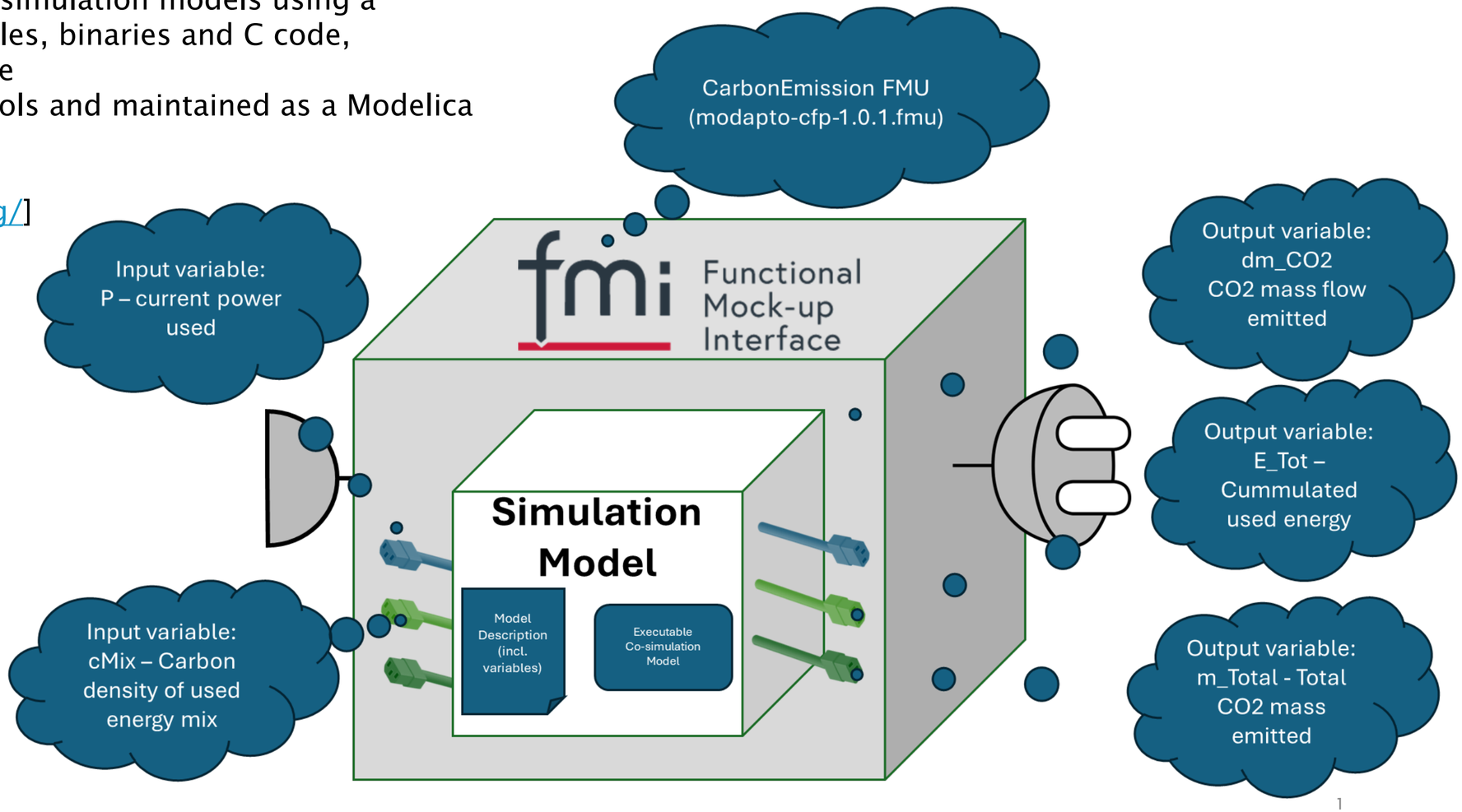
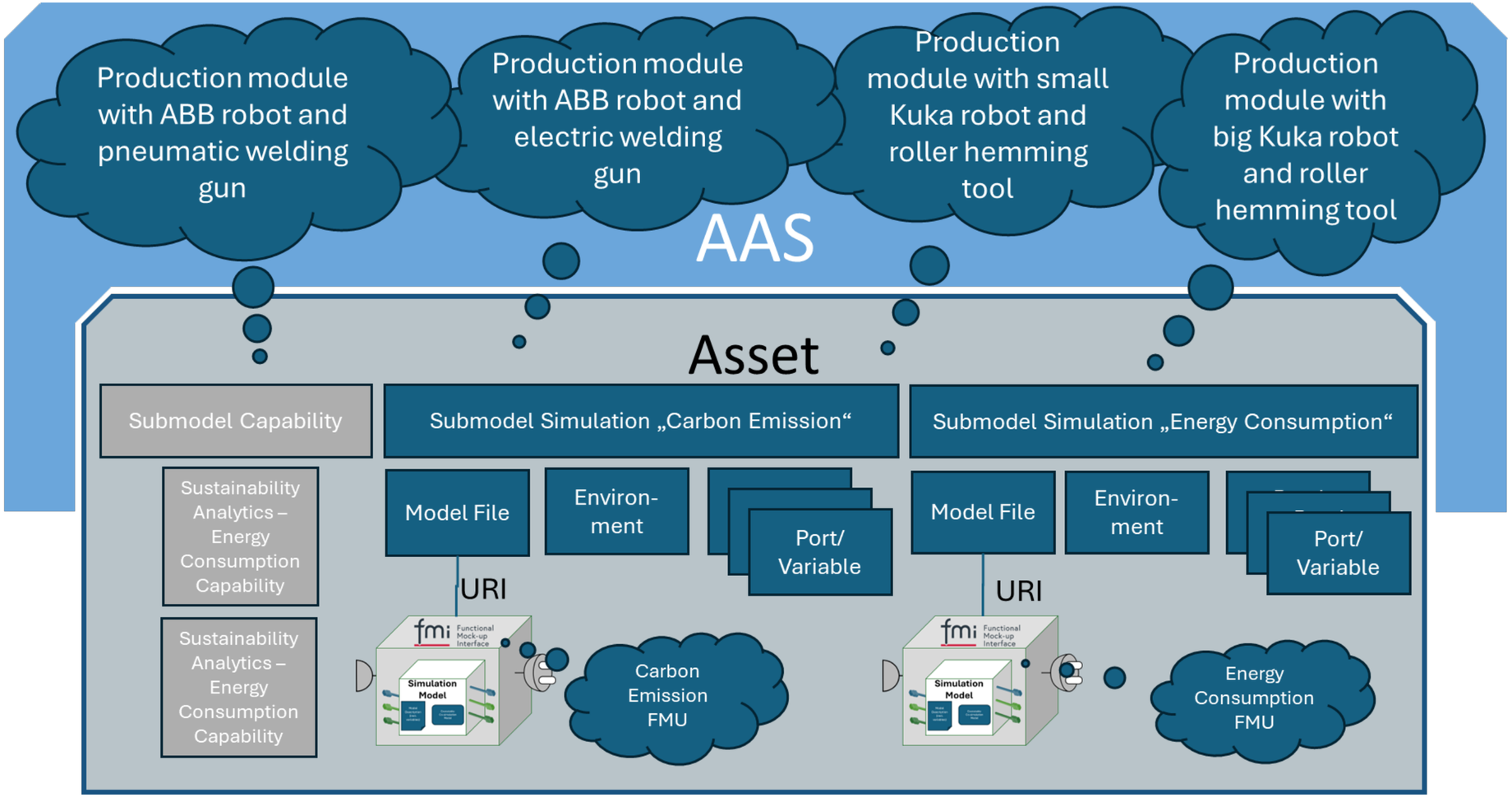
# FMI (Functional Mockup Interface) - standard for the exchange of simulation models

- free standard that defines a container and an interface to exchange dynamic simulation models using a combination of XML files, binaries and C code, distributed as a ZIP file
- supported by 200+ tools and maintained as a Modelica Association Project

[https://fmi-standard.org/]



# Inclusion of FMI in AASX standard via submodel "Provision of Simulation Models"




- allows the interoperable provision of simulation model files for an asset via the asset administration shell

[https://github.com/admin-shell-io/submodel-templates/tree/main/published/Provision%20of%20Simulation%20Models/1/0]

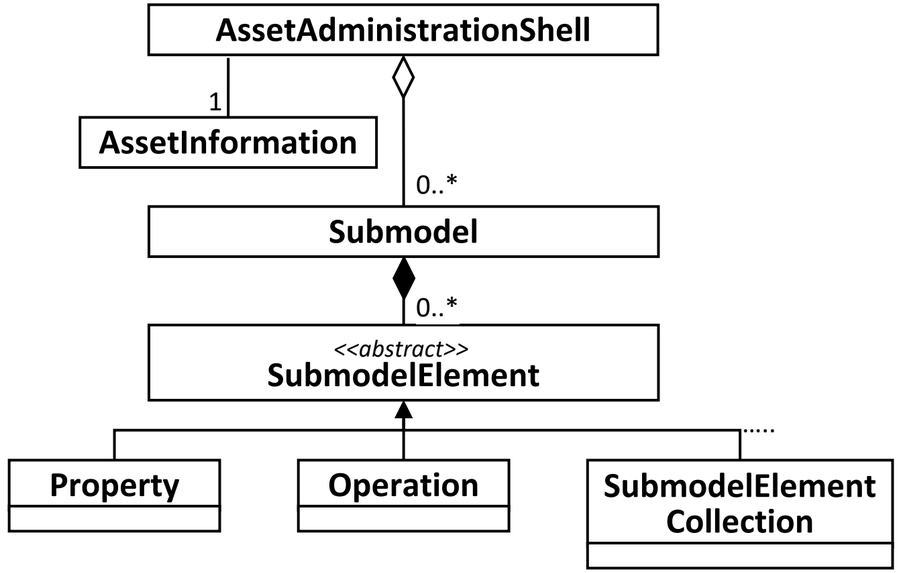
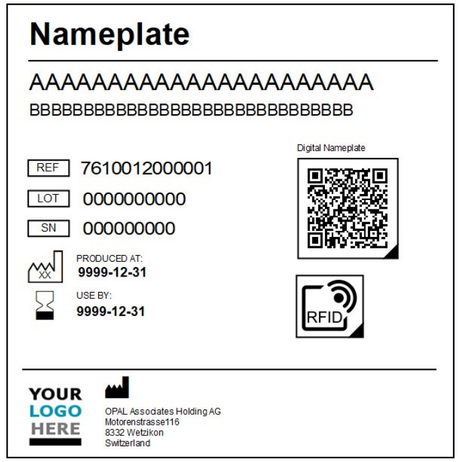
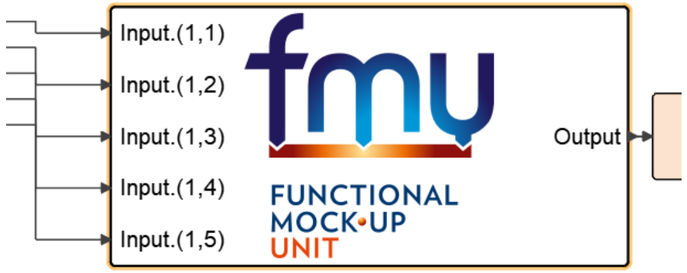
# Background
## AAS, Submodel Template, FMI/FMU

### AAS

- Standardized Meta-Model & API for DTs
- Domain- & technology-agnostic

### Submodel Templates

- Standardized domain-specific extensions
- Example: Digital Nameplate

### FMI/FMU

- Standard interface/packaging format for computer simulations
- Logic executable on different operation systems