



OFFIS

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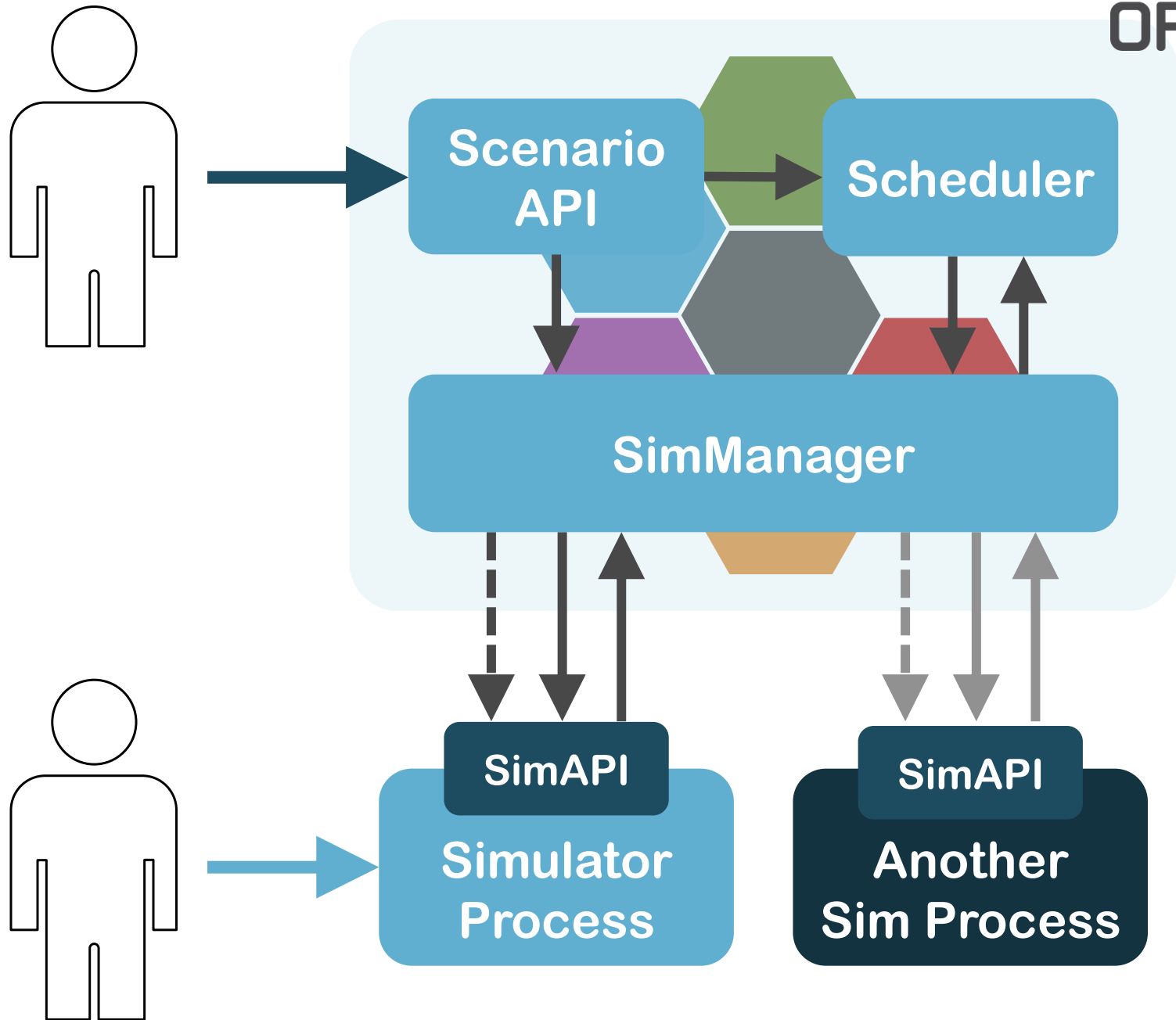


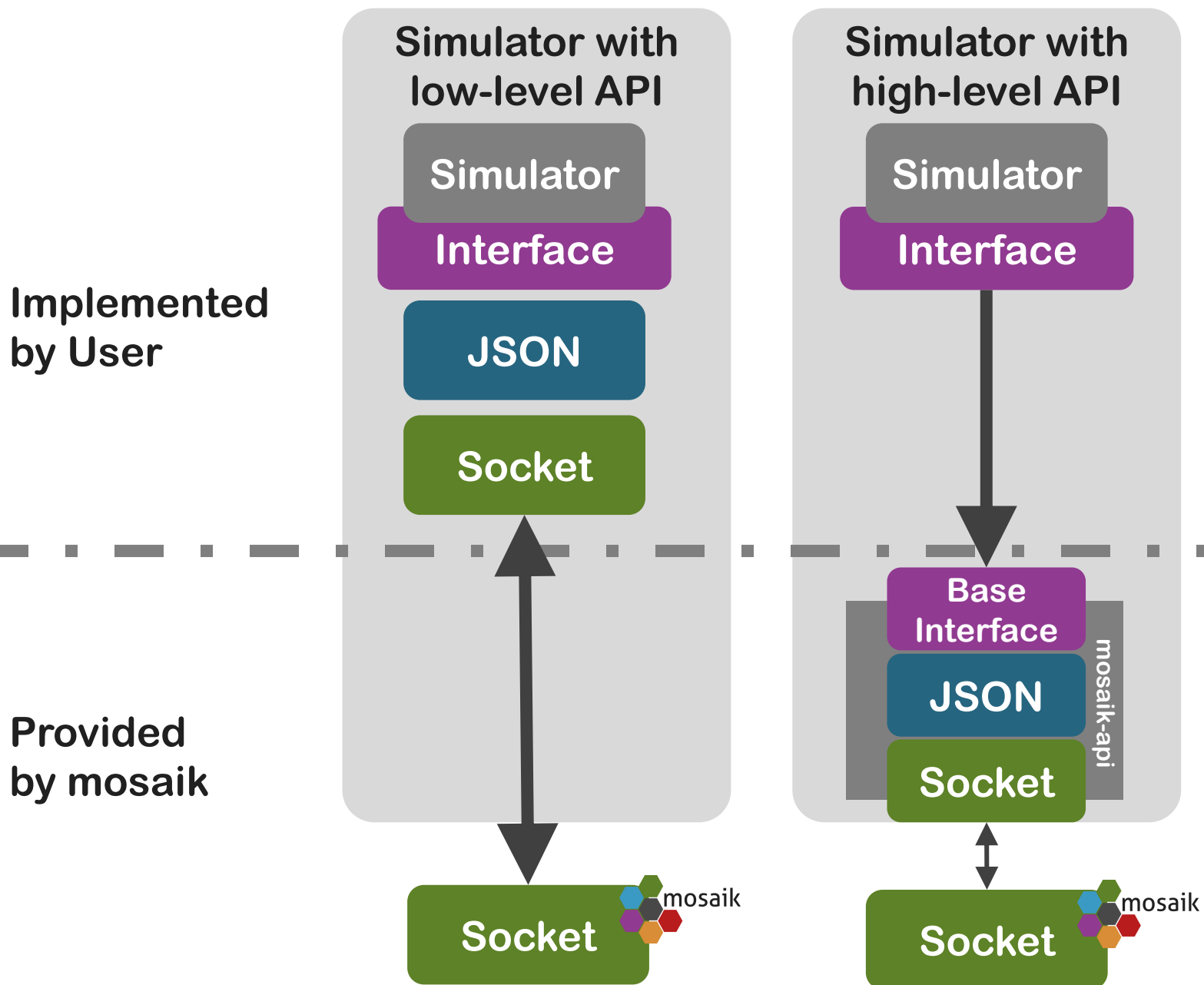
mosaik

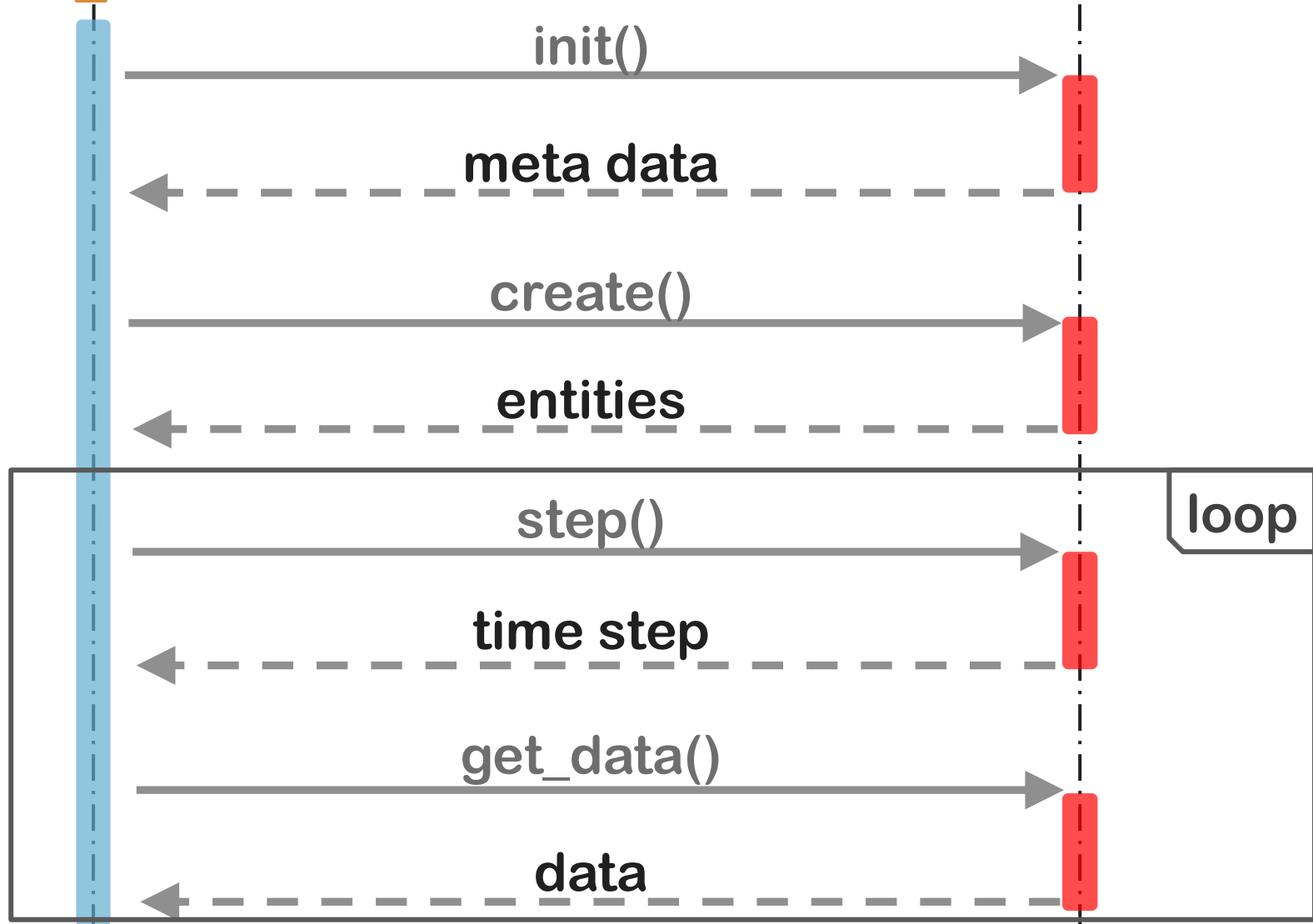
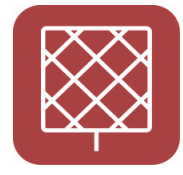
**A Flexible Smart
Grid Co-simulation
Framework**

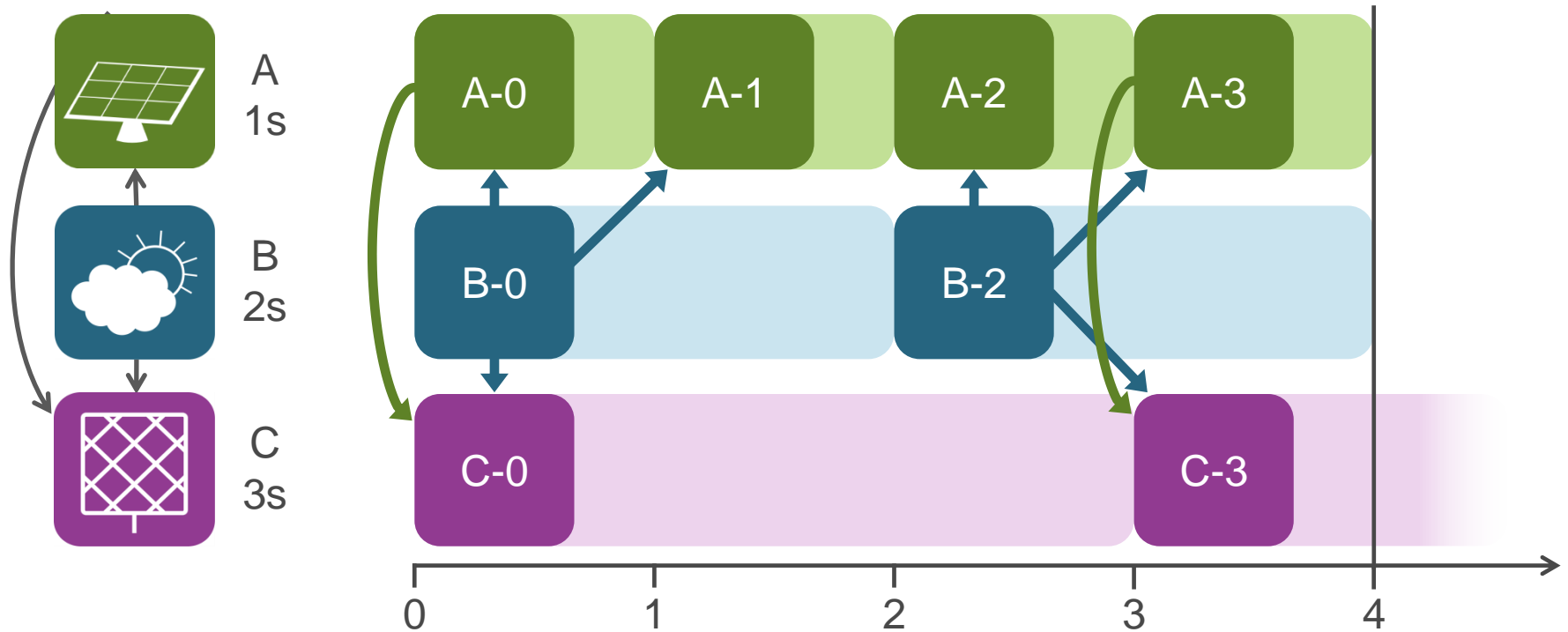


 mosaik
 Eco-system









A.step(C.step(3) \rightarrow 6 '2) \rightarrow 4

acceptance

specialized and detailed simulation

validated simulators are oftentimes commercial

simplicity to use

research project have limited amount of money

budget

SILENT DIG PowerFactory

Used and accepted by the industry

AC and DC power flow

Short-circuit analysis

Graphical user interface

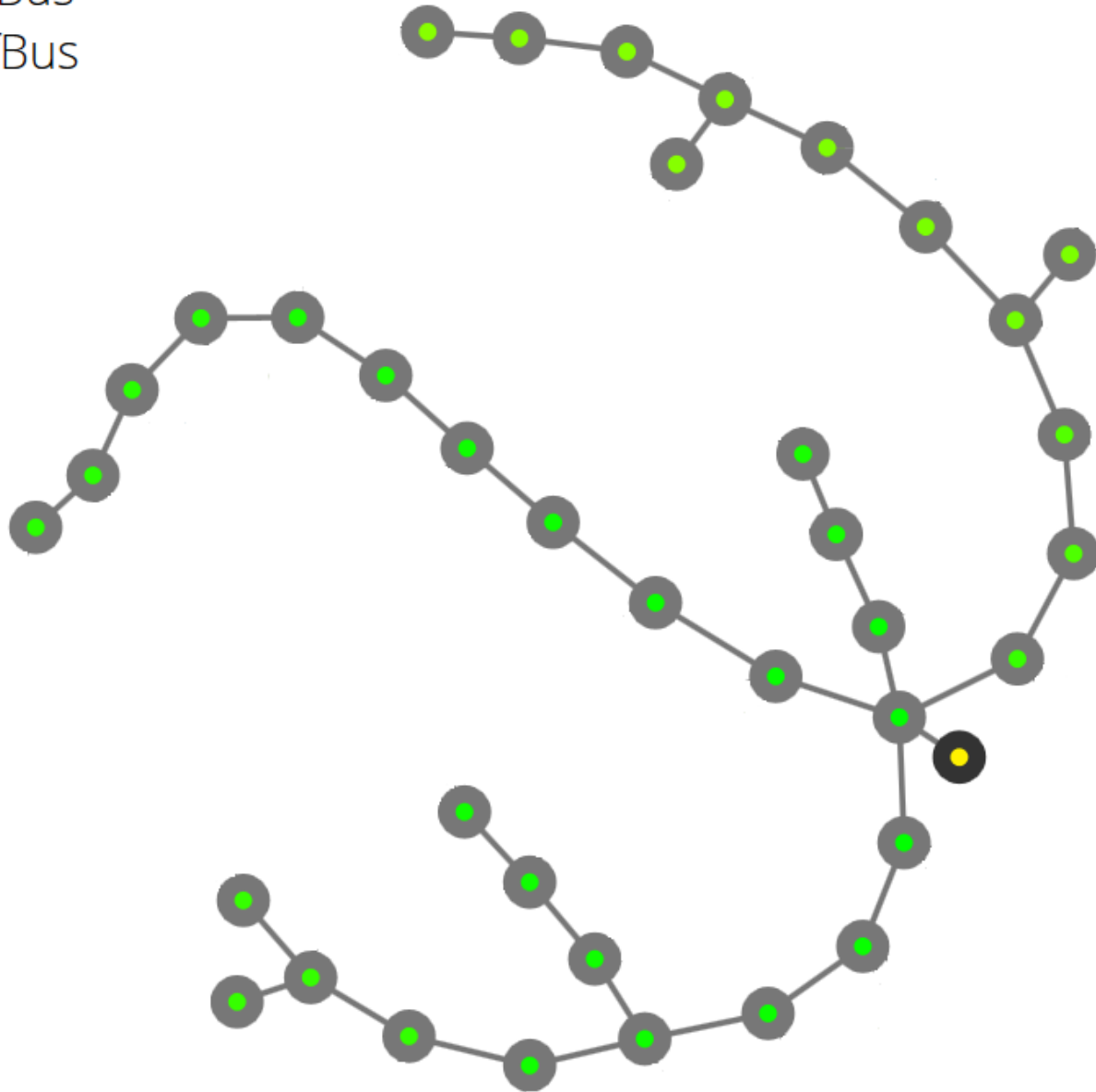


Open source

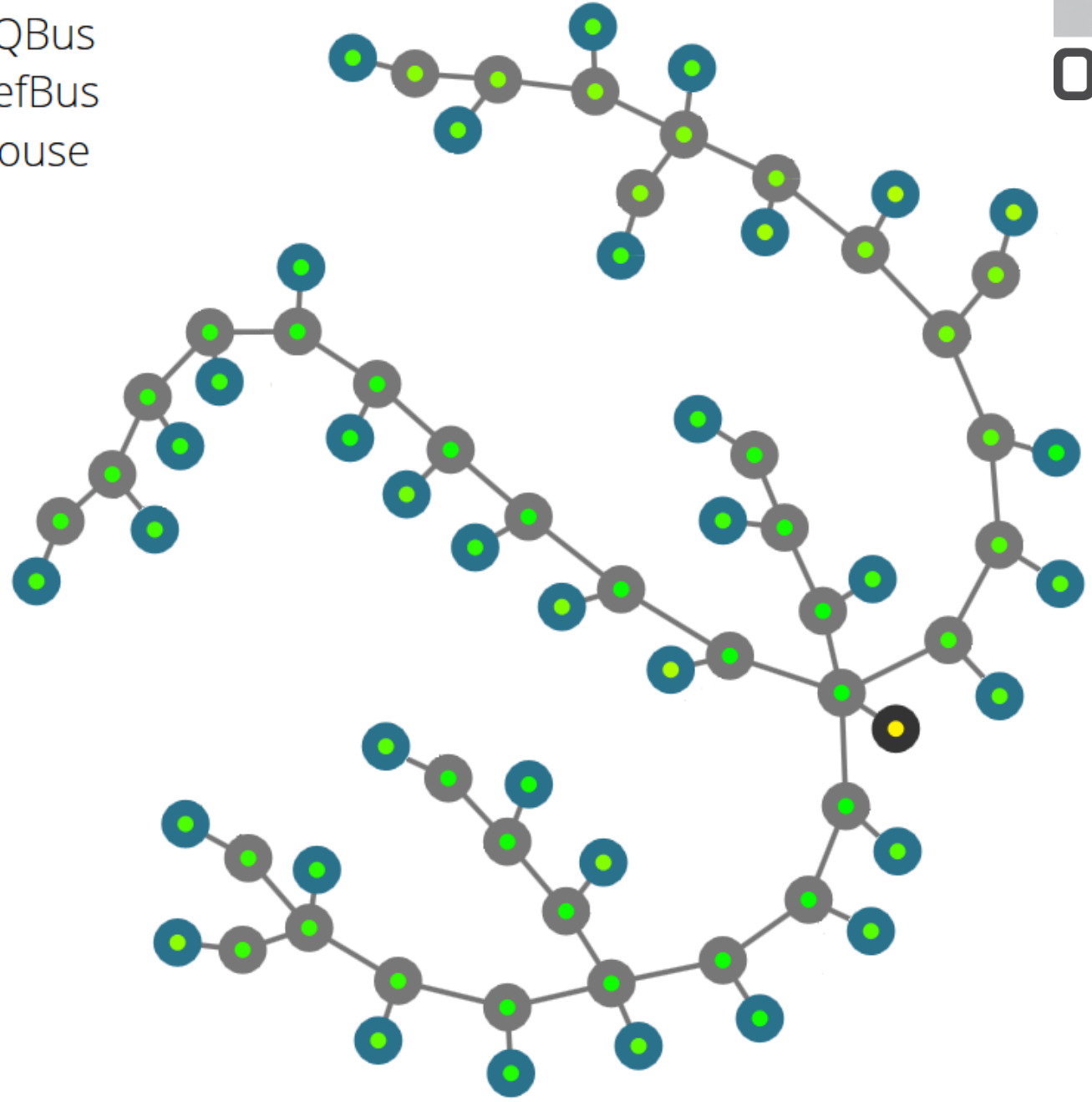
**Used mainly for academic
purposes**

Straight forward to use

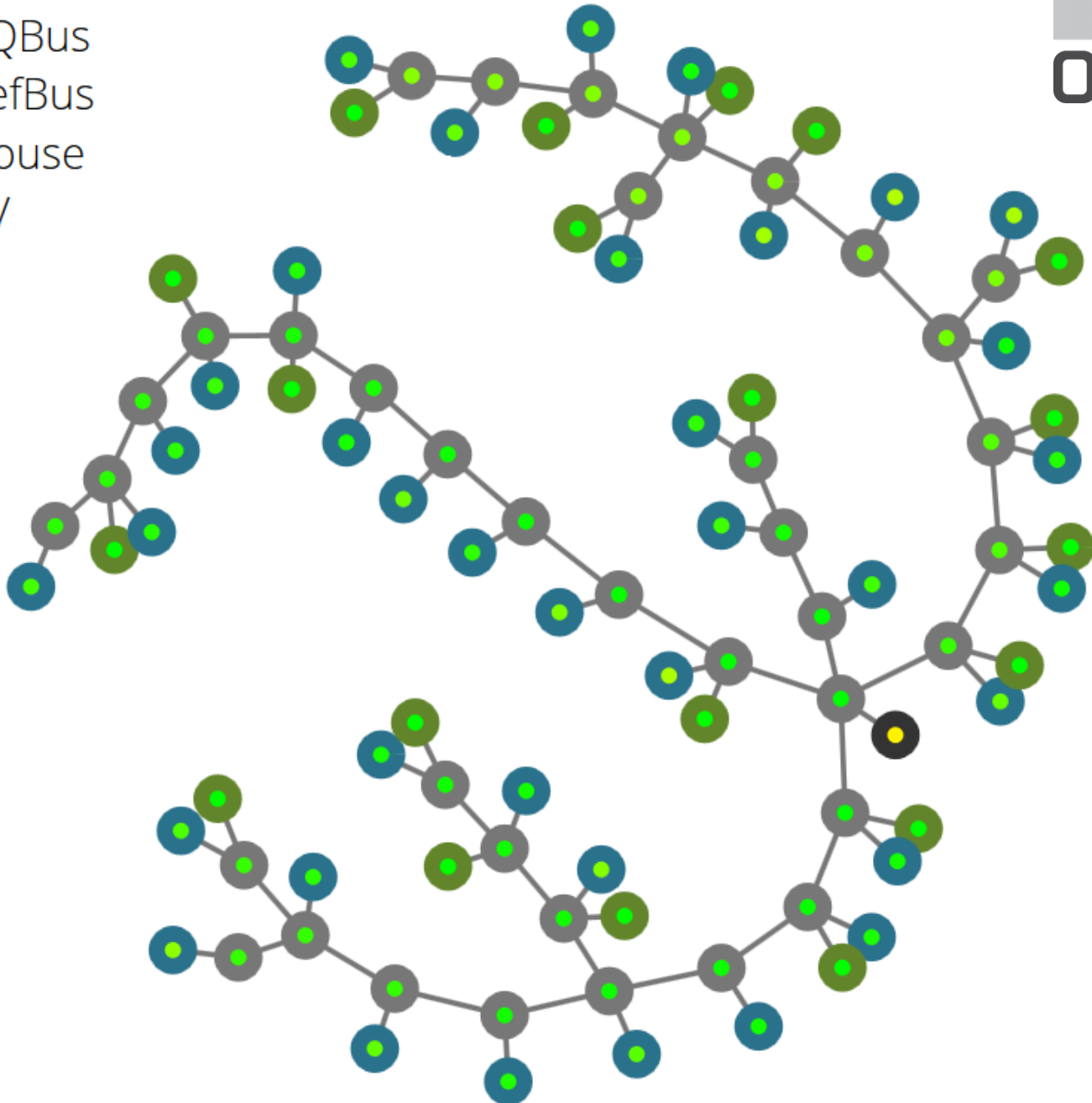
- PQBus
- RefBus

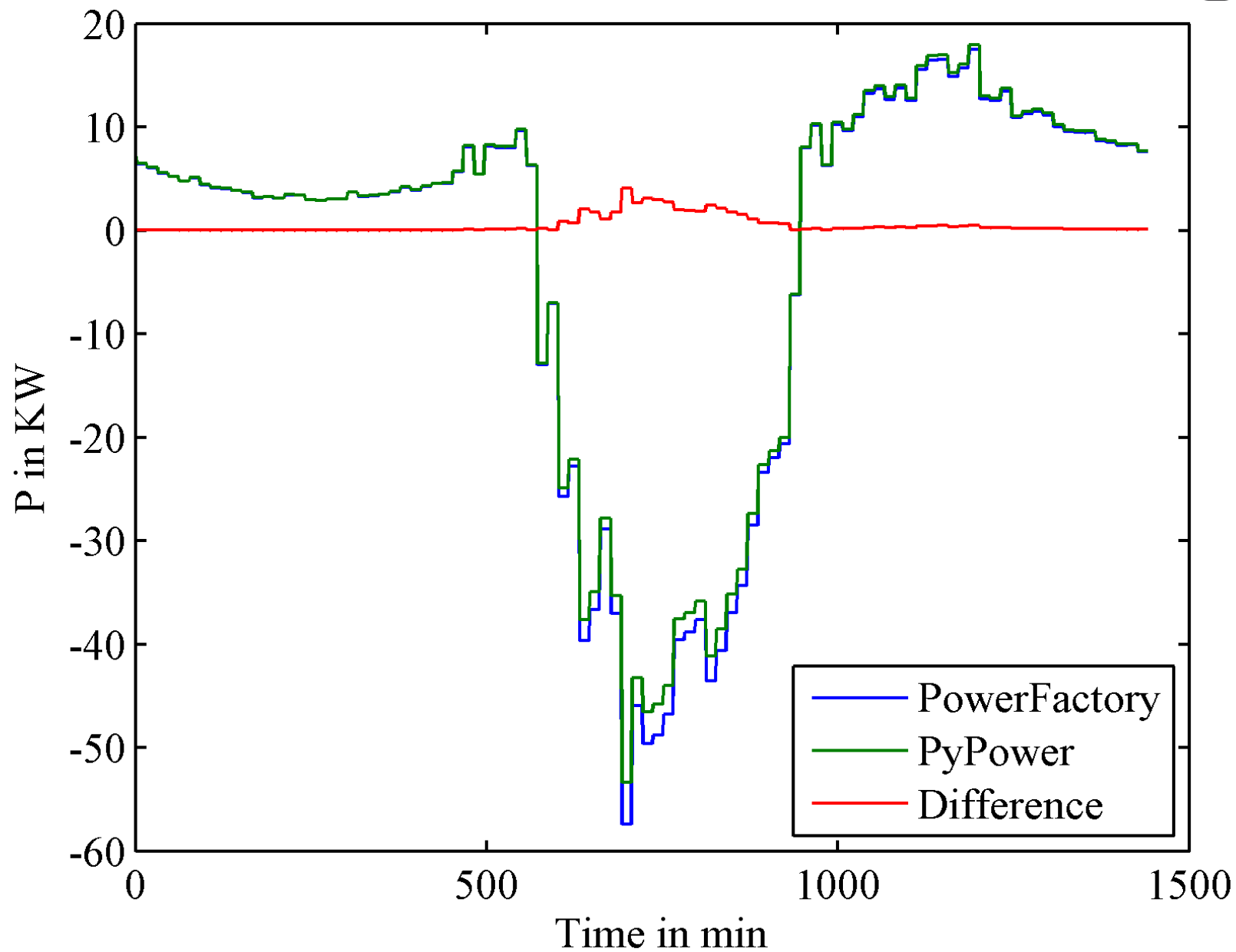


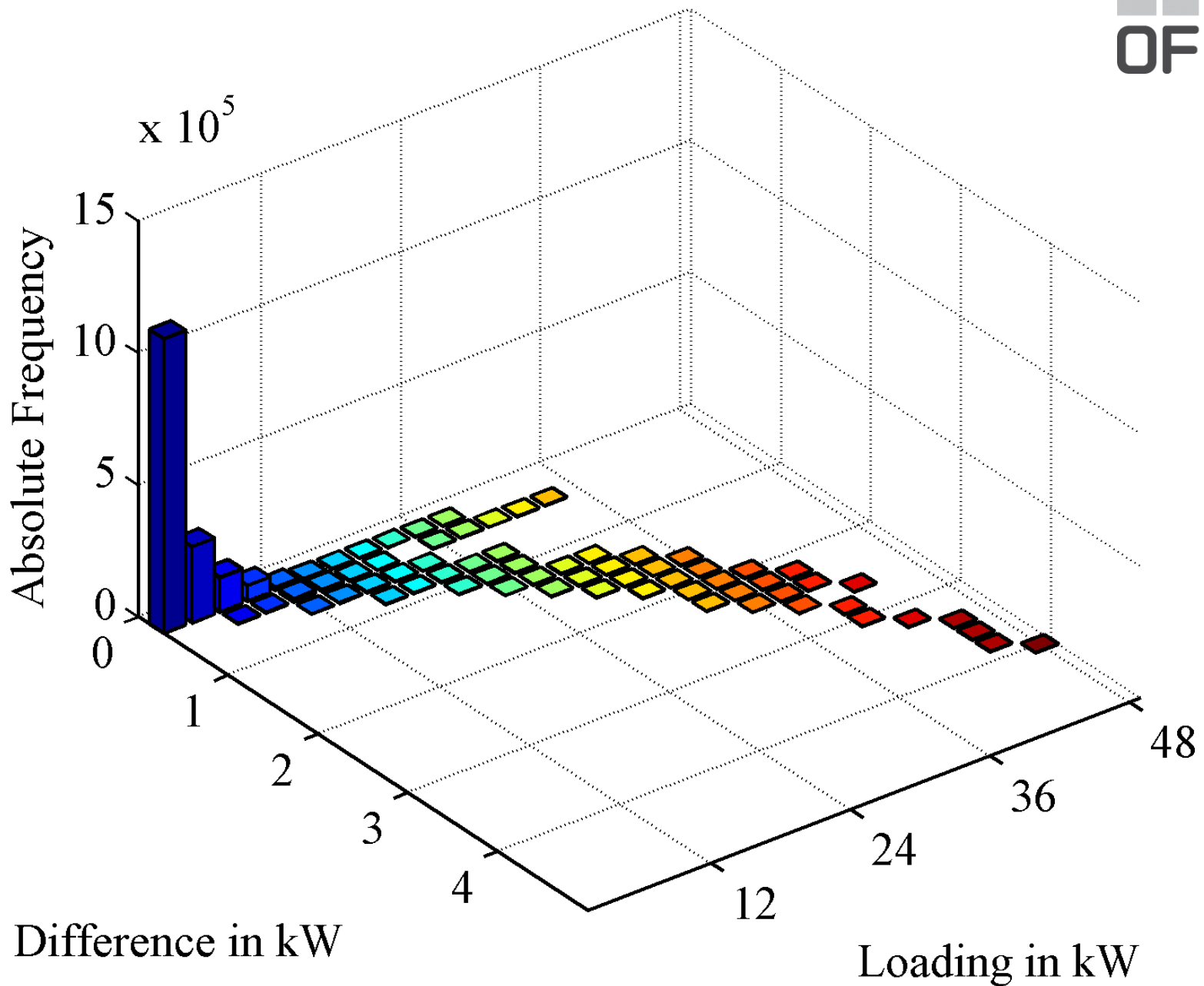
- PQBus
- RefBus
- House

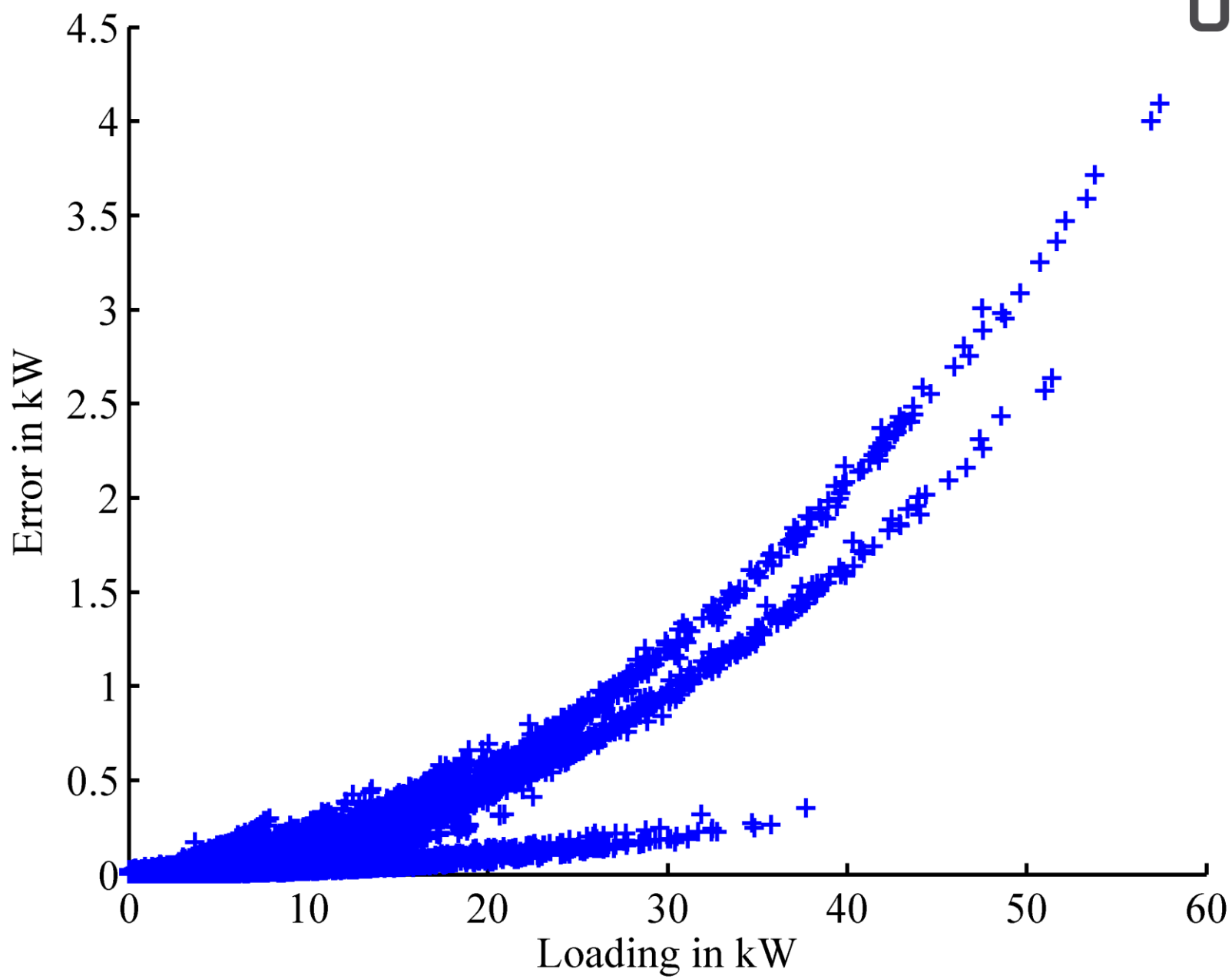


- PQBus
- RefBus
- House
- PV









**exchange different
models to use them in
a common context**

**combine simulators
with different cost
trade-offs**

**assess simulator
quality**

**validate self-
developed or new
simulators**