Users	Software and hardware developers
Key Features	Develop a new piece of software or hardware that needs to integrate with other components that may or may not exist yet
Benefits for the User	Java simulation environment provides a fast, and extensible implementation for model based design
Inputs	DynAA receives as input three models (views) of the system, the task model, the physical model, and the function to task allocation (F → T mapping model).
Outputs	A system simulated in DynAA produces a simulation log that can be post processed to extract system Key Performance Indicators (KPIs) and their evolution during the simulation time. Typical plots that can be extracted from DynAA are energy consumption profile, communication latency and throughput for each channel, task activation rate profiles, reliability of the system, etc.
Block Design	
Example of Usage	Example where DynAA is used to implement both the dataflow model, the tasks model and the physical model, which are then intefaces using a mapping model to create complet system simulation.
Role in the Toolchain	Within CERBERO, DynAA is used to model, analyse, and simulate aspects of the CPSs under design in early stages of the development.