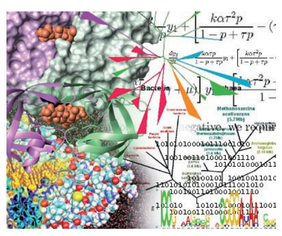
MAPPER

Multiscale APPlications on European e-infRastructures

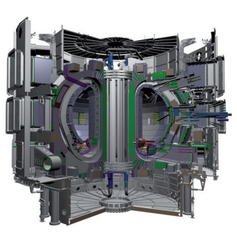
MAPPER develops strategies and will provide tools, software and services that permit loosely and tightly coupled multiscale computing in a user friendly and transparent way. This will be accomplished by deploying a computational science environment on and across European e-infrastructures. By taking advantage of existing software and services, and by collaborating with other projects, MAPPER will result in high quality components.

The project is driven by seven challenging exemplar applications from five user communities.



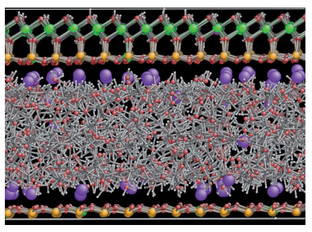
computational biology

virtual physiological human

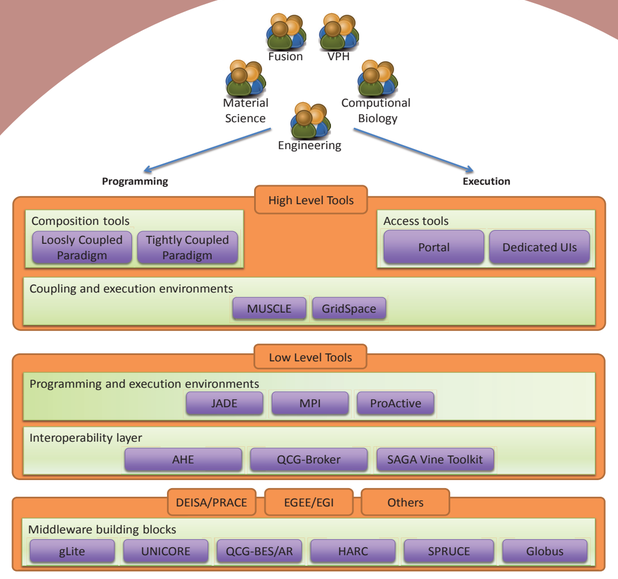


fusion

hydrology



nano material science



Our solutions will enable distributed multiscale computing for any multiscale models fitting into our paradigm and MAPPER opens up to other user communities.

Multidisciplinary and multiscale models, require extreme scale computing capabilities. We will work together closely with European resource providers and also have significant trans-Atlantic Grid and HPC experience.

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e-infrastructure

Contract number: 261507

CAPACITIES

http://www.mapper-project.eu/