



The HBP Calls for Expression of Interest for SGA3 “Brain atlas and simulation engine adapter construction”

Call Text

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More information:	info@opencalls.humanbrainproject.eu		

The goal of this Call for Expression of Interest (CEoI) is to attract experts in computational services related to the informatics integration of Brain Atlas and The Virtual Brain (TVB) simulation engine, with the capacity to perform co-simulations by integrating NEST, and to operate within the context of and with the European Brain ReseArch INfrastructureS (EBRAINS) platform. Software adaptors shall be created for efficient interprocess communication between simulation engines and parallel I/O of heterogenous neuroscientific datasets on HPC systems.

HBP Partners in WP1 are expected to group up with potential new Partners to submit proposals to further advance the development of the HBP science and research infrastructure. Potential new partners could include scientists, developers and engineers, they are expected to demonstrate their competences in developing highly robust and efficient communication layers on distributed computing systems.

The construction of efficient software adapters between simulation engines and atlas services is of fundamental importance to realise TVB-based simulations, making full use of the heterogeneous multiscale data in the Brain atlases and intracranial data in the Human Intracerebral EEG data Platform (HIP) in EBRAINS.