TVB-EBRAINS Integrated Workflows

8th Workshop

Date: 25th March 2022

HBP Event Calendar: https://plus.humanbrainproject.eu/events/4884

Time: 09:00 - 15:00 CET
Location: GoToMeeting
Registration: https://www.brainsimulation.org/bsw/zwei/events/single/8740-8th-tvb-ebrains-integration-workflows-workshop

The meeting will be recorded. The video recording of presentations will be optionally shared internally in HBP or externally on INCF training space – dependent on the agreement of the respective presenter. Discussions will not be shared.

Videos of previous workshops:

https://training.incf.org/course/virtual-brain-tvb-ebrains

https://www.youtube.com/playlist?list=PLVtblERyzDellHsfYHQ8yXHyh5ZtvpNm7

Collaboratory for this Workshop Series:

https://drive.ebrains.eu/library/0afce2ae-6019-4193-9d66-37d595738bd5/WP1-SGA3-Coordination/WP1%20Hackathons

The Workshop is open to all interested HBP SGA3 members and externals.

The purpose of this Workshop Series is to discuss existing interfaces and workflows of TVB in ERRAINS that have been developed in SGA2 and those under development or being planned for SGA3. The focus will be on:

- Software architecture
- Data formats
- APIs
- Development and operations
- Software maturity, integration, testing, versioning and deployment
- Computing requirements
- Security requirements

Agenda (CET)

09:00	Welcome – Petra Ritter
09:05-09:30	TVB – BIDS Importer – Lia Domide, Paula Prodan
09:30-10:30	TVBase Adapter: Integrating Biological Knowledge in TVB models - Leon Stefanovski, Konstantin Bülau, Leon Martin
10:30-12:00	Virtual Research Environment / Health Data Cloud – Michael Schirner, Patrik Bey
12:00-12:30	Break
12:30-13:00	Container image processing workflow for generating TVB ready stroke brain models – Patrik Bey
13:00-14:00	The Embodied Virtual Brain: TVB-Neurorobotics Platform – Dionysios Perdikis, Krzystof Lebioda, Fabrice Morin
14:00-15:00	TVB-NetPyNE (Neuron) – Salvador Dura-Bernal, Valeriy Bragin, Denis Perdikis