

TVB-EBRAINS integrated workflows

4th Workshop

Date: 12th March 2021

HBP Event Calendar: <https://plus.humanbrainproject.eu/events/3001>

Time: 9:00 am-15:00 CET

Location: GoToMeeting

Registration: <https://www.brainsimulation.org/bsw/zwei/events/single/6571-tvb-ebrains-integrated-workflows-4th-virtual-workshop>

Please note that 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/#common/lib/0afce2ae-6019-4193-9d66-37d595738bd5/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
- Current status in terms of software maturity, integration, testing, versioning and deployment
- Computing requirements
- Security requirements

Agenda

- 09-00-09:05 Welcome - Petra Ritter
- 09:05-10:00 TVB - EBRAINS image processing pipeline: data protection (GDPR) - Michael Schirner
- 10:00-11:00 TVB - EBRAINS open shift deployment: data protection (GDPR) - Paula Prodan
- 11:00-11:20 TVB-multiscale technical update - Dionysios Perdikis
- 11:20-11:50 TVB-multiscale Deep Brain Stimulation/Cerebellum - Jil Meier, Alice Geminiani
- 11:50-13:00 Lunch Break
- 13:00-13:30 Mapping atlases and knowledge bases to TVB space - Leon Stefanovski, Konstantin Bülow, Leon Martin
- 13:30-14:00 EBRAINS Atlas adapters - Timo Dickscheid
- 14:00-15:00 Workflows Provenance, KG data operations, EBRAINS API - Andrew Davison