

# TVB-EBRAINS Integrated Workflows

## 8<sup>th</sup> 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)

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|-------------|--|
| 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 | Technical overview of MIP/HIP - Emrah Kavun (to be confirmed)  |
| 14:00-15:00 | TVB-NETPYNE (Neuron) - Salvador Dura-Bernal, Valeriy Bragin, Denis Perdikis                                      |