Grant Agreement:	604102	Project Title:	Human Brain Project

Document Title:	Brain Simulation Platform v1 — Documentation
Document Filename:	SP6 D6.7.5 FINAL.docx
Deliverable Number:	D6.7.5
Deliverable Type:	Report
Work Package(s):	WPs 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7
Dissemination Level:	PU
Planned Delivery Date:	M30 / 31 Mar 2016
Actual Delivery Date:	M30 / 31 Mar 2016

Authors:	Felix SCHÜRMANN, EPFL (P1), Task No. 6.1.5, 6.2.1, 6.2.2, 6.2.4, 6.5.1, 6.6.1, 6.7.1 Jean-Denis COURCOL, EPFL (P1), Task No. 6.5.1
Compiling Editors:	Katrien VAN LOOK, EPFL (P1), Task No. 6.7.1
Contributors:	Henry MARKRAM, EPFL (P1), Task No. 6.1.1, 6.1.2, 6.1.3 Jeanette HELLGREN-KOTALESKI, KTH (P33), Task No. 6.4.1 Julian Shillcock, Juan PALACIOS, Liesbeth VANHERPE, EPFL (P1), Task No. 6.1.1 Idan SEGEV, Guy EYAL, HUJI (P21), Task No. 6.1.3 Marc-Oliver GEWALTIG, Csaba EROE, EPFL (P1), Task No. 6.1.4 Fabien DELALONDRE, EPFL (P1), Task No. 6.1.5, 6.2.1, 6.2.2, 6.2.4 Erik DE SCHUTTER, OIST (P38) Task No. 6.2.1 Michael HINES, YALE (P80) Task No. 6.2.2 Markus DIESMANN, JUELICH (P17), Task No. 6.2.3 Richard LAVERY, Elisa FREZZA, Juliette MARTIN, CNRS (P7), Task No. 6.3.1 Paolo CARLONI, Pietro VIDOSSICH, JUELICH (P17), Task No. 6.3.2 Rebecca WADE, Neil BRUCE, HITS (P24), Task No. 6.3.3 Antoine TRILLER, Leandro ALMEIDA, ENS (P13), Task No. 6.4.2 Pierre MAGISTRETTI, Daniel KELLER, EPFL (P1), Task No. 6.4.3 Alex THOMSON, Audrey MERCER, UCL (P71), Task No. 6.4.4 Eilif MULLER, Armando ROMANI, EPFL (P1), Task No. 6.4.4 Egidio D'ANGELO, UNIPV (P61), Task No. 6.4.5 Sten GRILLNER, Alexander KOZLOV, KI (P31), Task No. 6.4.6 James DYNES, Michael GEVAERT, Luis RIQUELME, Werner VAN GEIT, EPFL (P1), Task No. 6.5.1
Coordinator Review:	EPFL (P1): Jeff MULLER, Martin TELEFONT UHEI (P45): Sabine SCHNEIDER, Martina SCHMALHOLZ

Editorial Review:	EPFL (P1): Lauren ORWIN
Abstract:	The user and technical documentations can be found on the Brain Simulation Platform. This Deliverable provides the links to these resources.
Keywords:	Documentation, Brain Simulation Platform
Available at:	www.humanbrainproject.eu/ec-deliverables

Table of Contents

List of Figures and Tables

1. The Aim of this Document

The aim of this document is to detail the technical and user documentation available to internal and external users of the Brain Simulation Platform, and to provide a roadmap describing plans for future Platform development.

Public release of a preliminary prototype of the Brain Simulation Platform is the subject of a separate Deliverable (D6.7.4 – Brain Simulation Platform v1), to be published simultaneously with this one.

ADDENDUM: A new version (v2) of the Brain Simulation Platform was released on 26 June 2017. This new version incorporates feedback received from the HBP Review in June 2016. In general, the Platform has been re-organised to be more user-centric and user-friendly, so that users with different neuroscientific and/or technical backgrounds and expertise levels, can use the Platform's capabilities. The navigation of the Platform has also been streamlined.

The Platform is accessible via the HBP Collaboratory web interface at:

https://collab.humanbrainproject.eu/#/collab/1655/nav/28538

2. Technical and User Documentation

2.1 Technical Documentation

All technical documentation relating to the use of the Brain Simulation Platform is available on the Platform itself. Please see:

https://collab.humanbrainproject.eu/#/collab/161/nav/5353

for the foundation software and

https://collab.humanbrainproject.eu/#/collab/161/nav/5350 for the web accessible services.

2.2 User Documentation

The following page serves as a general starting point:

https://collab.humanbrainproject.eu/#/collab/161/nav/5576

The **Platform Online** and **Model Collabs** sections of the Platform have an overview page that summarises what is available in each Collab. The Platform Online overview page also details maturity levels and the access required, such as a high-performance computing account.

- Platform Online: https://collab.humanbrainproject.eu/#/collab/161/nav/5707
- Model Collabs: https://collab.humanbrainproject.eu/#/collab/161/nav/5709

Each Collab under the Platform Online and Model Collabs sections has an overview and getting started page. The getting started page guides a user through the Collab, detailing what is available and how to use it (see examples, Figures 1 and 2). Many of the Platform Online Collabs also have a screencast explaining the workflow available.

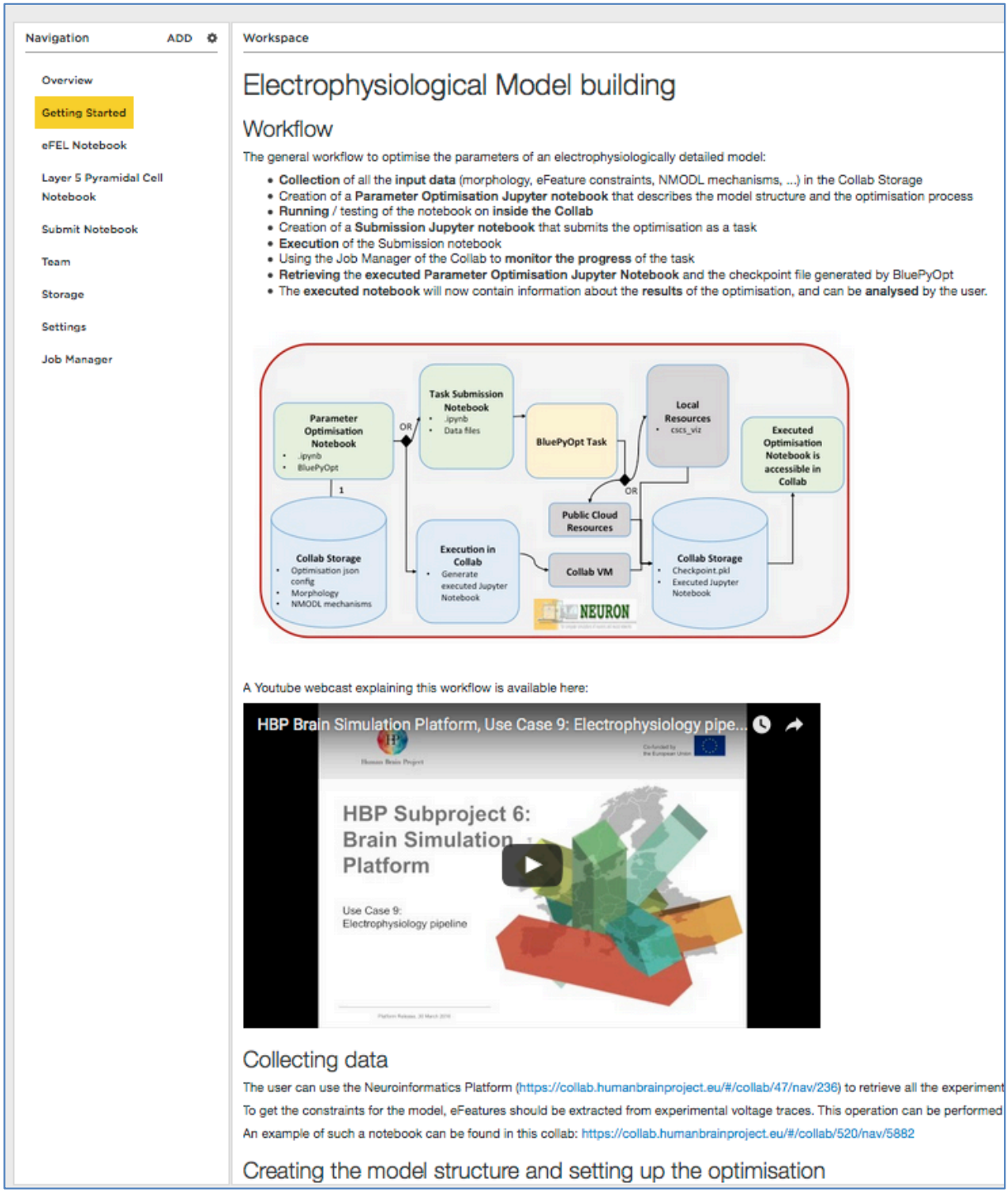

Figure 1: Screenshot of part of the getting started page of the single cell model building Collab in the Platform Online section.

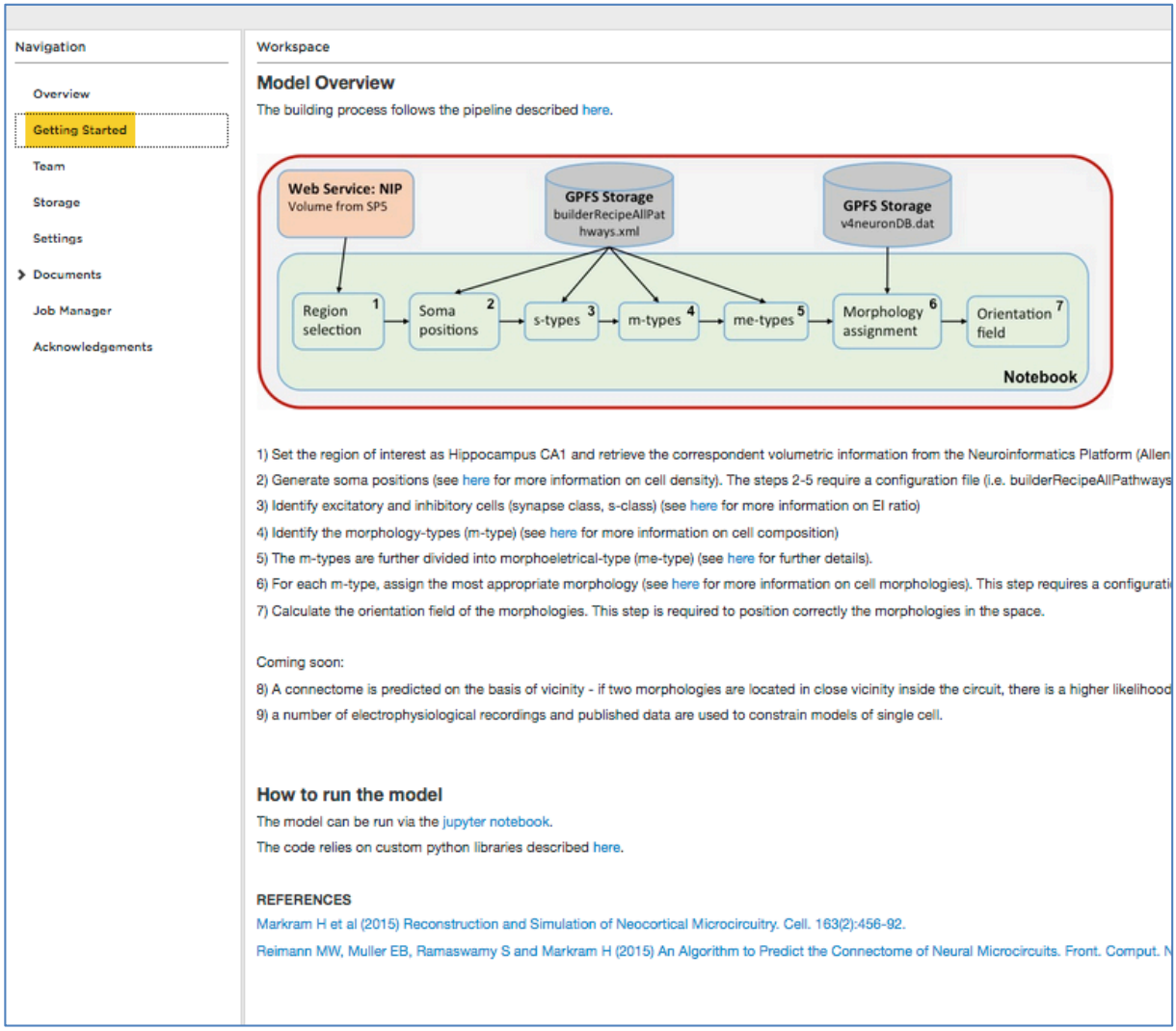

Figure 2: Screenshot of part of the getting started page of the hippocampus Collab in the Model Collabs section.

The user documentation for the **Foundation Software** can be found on the overview page for the section: https://collab.humanbrainproject.eu/#/collab/161/nav/5348

2.3 Addendum

The technical and user documentation has all been re-grouped into the Guidebook:

https://collab.humanbrainproject.eu/#/collab/1655/nav/18580

The Guidebook is 'living' documentation, which will continuously be updated and expanded as the Platform develops. The Guidebook has also been updated with the information requested from the HBP Review in June 2016.

3. Platform Accessibility

Platform accessibility is documented here:

https://collab.humanbrainproject.eu/#/collab/161/nav/5992

4. Help and User Feedback

To obtain user assistance, to provide user feedback or to contribute to the on-going development of the Platform, please contact: bsp-support@humanbrainproject.eu

Alternatively, please use the chat function in the Brain Simulation Platform directly.

5. Future Development of the Platform

Please see Annex F: Backlog (Remaining bugs and new features to be added) of Deliverable D6.7.4 and please see here: https://collab.humanbrainproject.eu/#/collab/161/nav/5988