



**IM-TWIN: from Intrinsic Motivations
to Transitional Wearable INTelligent
companions for autism spectrum disorder**
a European funded project

API Software Interface Document
Deliverable 1.2



This project has received funding
from the European Union's Horizon 2020
Research and Innovation Program
Under Grant Agreement No 952095.

Project duration 24 months (November 2020, October 2022),
Consortium: Consiglio Nazionale delle Ricerche (ITA),
Universiteit Utrecht (NLD), Centre de Recherches
Interdisciplinaires (FRA), Università degli Studi di Roma
La Sapienza (ITA), Plux-Wireless Biosignals S.A. (PRT).

Deliverable data

Work Package:	1 Development of wearable physiological sensors
Work Package leader:	PLUX
Deliverable beneficiary:	Members of the consortium Including the Commission Services
Dissemination level:	Public
Due date:	31st October (Month 12)
Type:	Other
Authors:	Joana Figueiredo, Pedro Duque, Katrin Mrotzcek, Patrícia Gamboa, Gonçalo Telo

Acronyms of partners

CNR-ISTC	Consiglio Nazionale delle Ricerche, Istituto di Scienze e Tecnologie della Cognizione (Italy)
UU	Universiteit Utrecht (The Netherlands)
CRI	Centre de Recherches Interdisciplinaires (France)
LA SAPIENZA	Università degli Studi di Roma La Sapienza (Italy)
PLUX	PLUX - Wireless Biosignals S.A. (Portugal)

Overview of the deliverable

This deliverable consists of the full documentation of PLUX's Application Programming Interface (API), with the description of the API software general architecture and interfaces. The format of this deliverable is the contents of an on-line documentation browser (in HyperText Markup Language [HTML]), with all the information regarding both C++ and Python APIs.

This documentation is located in a drive folder. Inside this folder, there are two other folders: the folder named "Cpp" contains information regarding the C++ API. The folder named "Python 3" has information about the Python API.

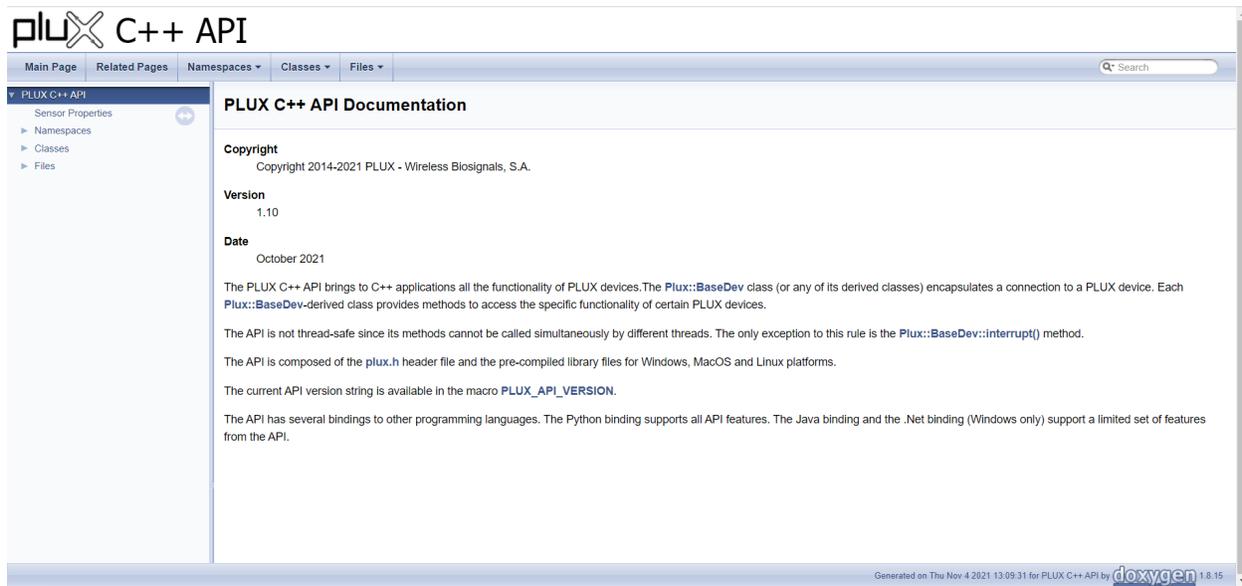
To correctly view the content of these folders, it is necessary to download them, as Google Drive does not allow to view the content in the right format.

After downloading both folders, it is necessary to unzip them. The next step is to open the folder with the selected API (either in the language "Cpp" or "Python 3").

Afterwards, the following list of files should appear:

Name	Date modified	Type	Size
 time_8h_source	04/11/2021 15:30	Chrome HTML Do...	5 KB
 time_8h	04/11/2021 15:30	JavaScript File	1 KB
 time_8h	04/11/2021 15:30	Chrome HTML Do...	7 KB
 tabs	04/11/2021 15:30	Cascading Style Sh...	9 KB
 tab_s	04/11/2021 15:30	PNG File	1 KB
 tab_h	04/11/2021 15:30	PNG File	1 KB
 tab_b	04/11/2021 15:30	PNG File	1 KB
 tab_a	04/11/2021 15:30	PNG File	1 KB
 sync_on	04/11/2021 15:30	PNG File	1 KB
 sync_off	04/11/2021 15:30	PNG File	1 KB
 struct_plux_1_1_source-members	04/11/2021 15:30	Chrome HTML Do...	6 KB
 struct_plux_1_1_source	04/11/2021 15:30	PNG File	1 KB
 struct_plux_1_1_source	04/11/2021 15:30	JavaScript File	1 KB
 struct_plux_1_1_source	04/11/2021 15:30	Chrome HTML Do...	12 KB
 struct_plux_1_1_session-members	04/11/2021 15:30	Chrome HTML Do...	6 KB
 struct_plux_1_1_session_source-members	04/11/2021 15:30	Chrome HTML Do...	6 KB
 struct_plux_1_1_session_source	04/11/2021 15:30	PNG File	1 KB

To launch the webpage correctly, it is necessary to select the file “index.html”. After double-clicking this file, the following interactive page should appear:



This local web-site contains all the documentation pertaining to each API.