**DOPE User manual v1.1**

**TABLE OF CONTENT**

1. **What is DOPE?**

* Present briefly DOPE, perhaps use some graph from the presentation and the idea document (under Idea/ Project\_idea\_v3.docx).
* Contact Info (our emails)

1. **Installation**

* Install Anaconda to get Jupyter (see details here <https://jupyter.readthedocs.io/en/latest/install.html>). It would be good to include all the steps in the manual along with screenshots, so users don’t have to go from website to website.
* Install ipywidget (<https://ipywidgets.readthedocs.io/en/stable/user_install.html>) from the conda command promp
* Install blackfynn
* Download all DOPE files from github (save them e.g. in a Dope folder on your desktop): <https://github.com/bvhpatel/DOPE>
* Launch Jupyter lab from conda prompt
* Open “DOPE.ipyn” from the “notebooks” folder of DOPE.
* Enjoy!

Note: Discuss with Dr. Charles Horn to integrate DOPE in the SPARC Docker.

1. **Get started**

Present the content of “DOPE.ipynb” and discuss briefly the 3 options

1. **Organize your dataset according to applicable standards**

Present the functionalities of Organize\_data\_notebook.ipynb” (with screenshots, example)

1. **Validate your dataset**

Present the functionalities of “Validation\_notebook.ipynb” (with screenshots, example)

1. **Upload your data set to Blackfynn**

Present the functionalities of “Blackfynn\_notebook.ipynb” (with screenshots, example)

1. **Automation of BIDS**

Present the functionalities of “BIDS\_MRI\_notebook.ipynb” (with screenshots, example)

1. **Future developments**

* BIDS notebooks for data other than MRI.
* Automatic file organization to meet BIDS requirements
* Integration of actual standards checklists based on instructions from the Data Curation Team
* More interactive ways to manipulate your files on Blackfynn: API login directly from Jupyter, rename a dataset, upload status, create data Models, add Relations, create records.
* Need more automation in your data organization process? Let us know!

What more can we include?? We should ask what people need in the survey.