

NCCR-SYNAPSY NEUROIMAGING DATA MANAGEMENT PLAN

A Recap

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HOW?

KEYS TOWARDS FAIR NEUROIMAGING DATA IN SYNAPSY

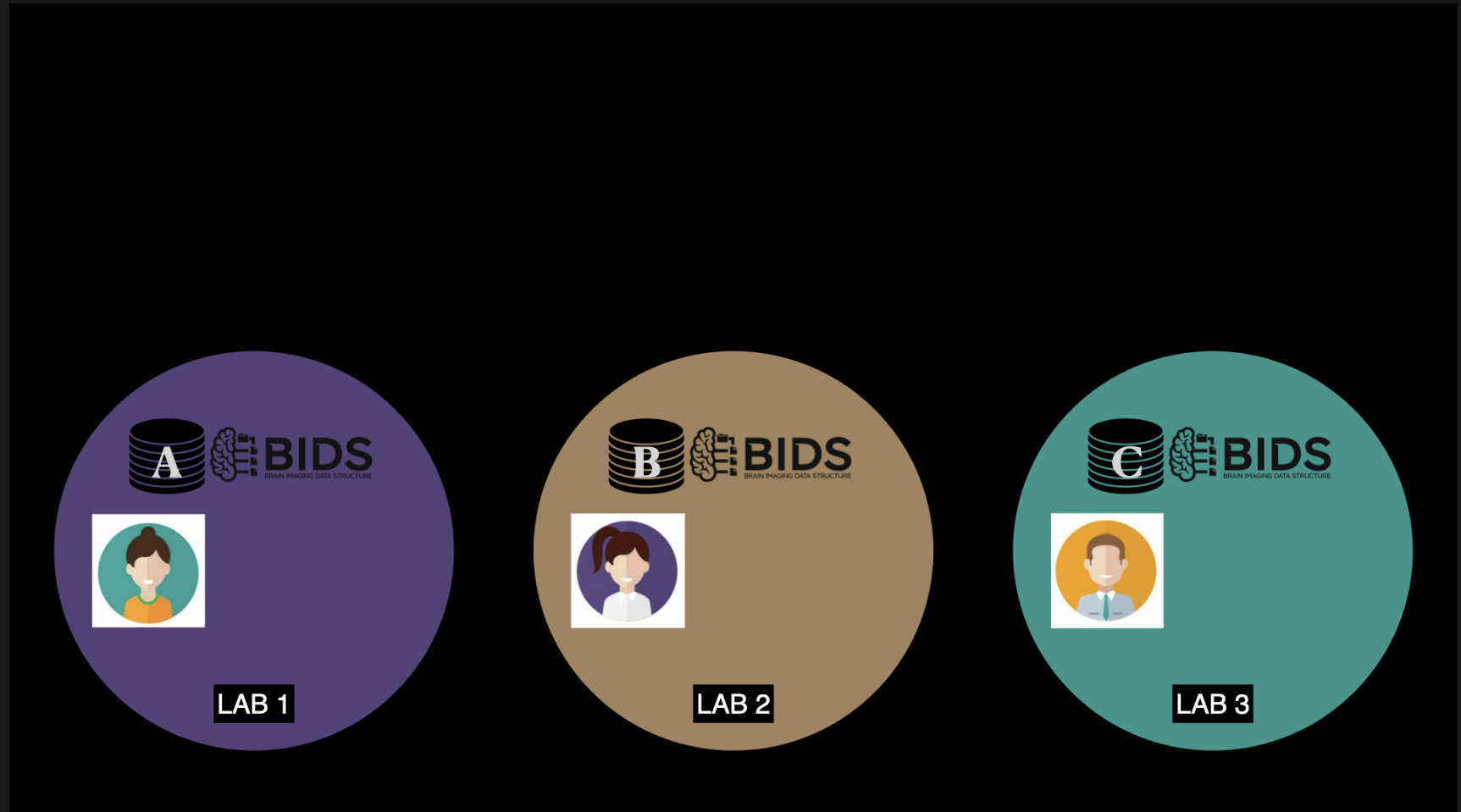
- Standard to organize and describe neuroimaging data along with metadata: **Brain Imaging Data Structure (BIDS)** - <https://bids.neuroimaging.io/>
- Distributed data versioning and management system tailored to neuroimaging data: **Datalad** - <https://www.datalad.org/>
- Distributed storage of neuroimaging data accross the different institution servers with access controlled by PIs

THE ROAD MAP

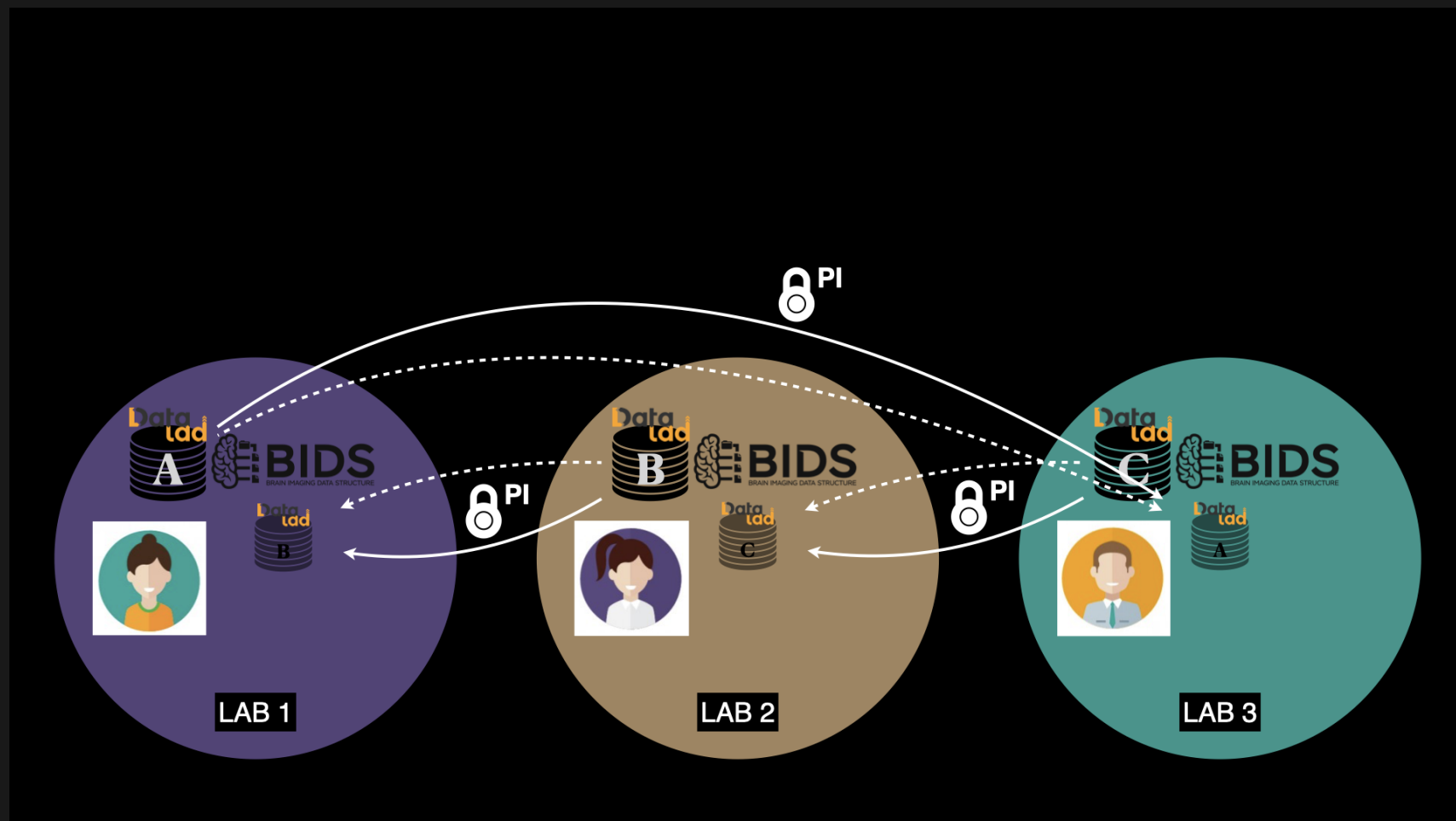
STEP 1: UNDERSTANDING HOW DATASETS ARE ORGANIZED IN EACH LAB



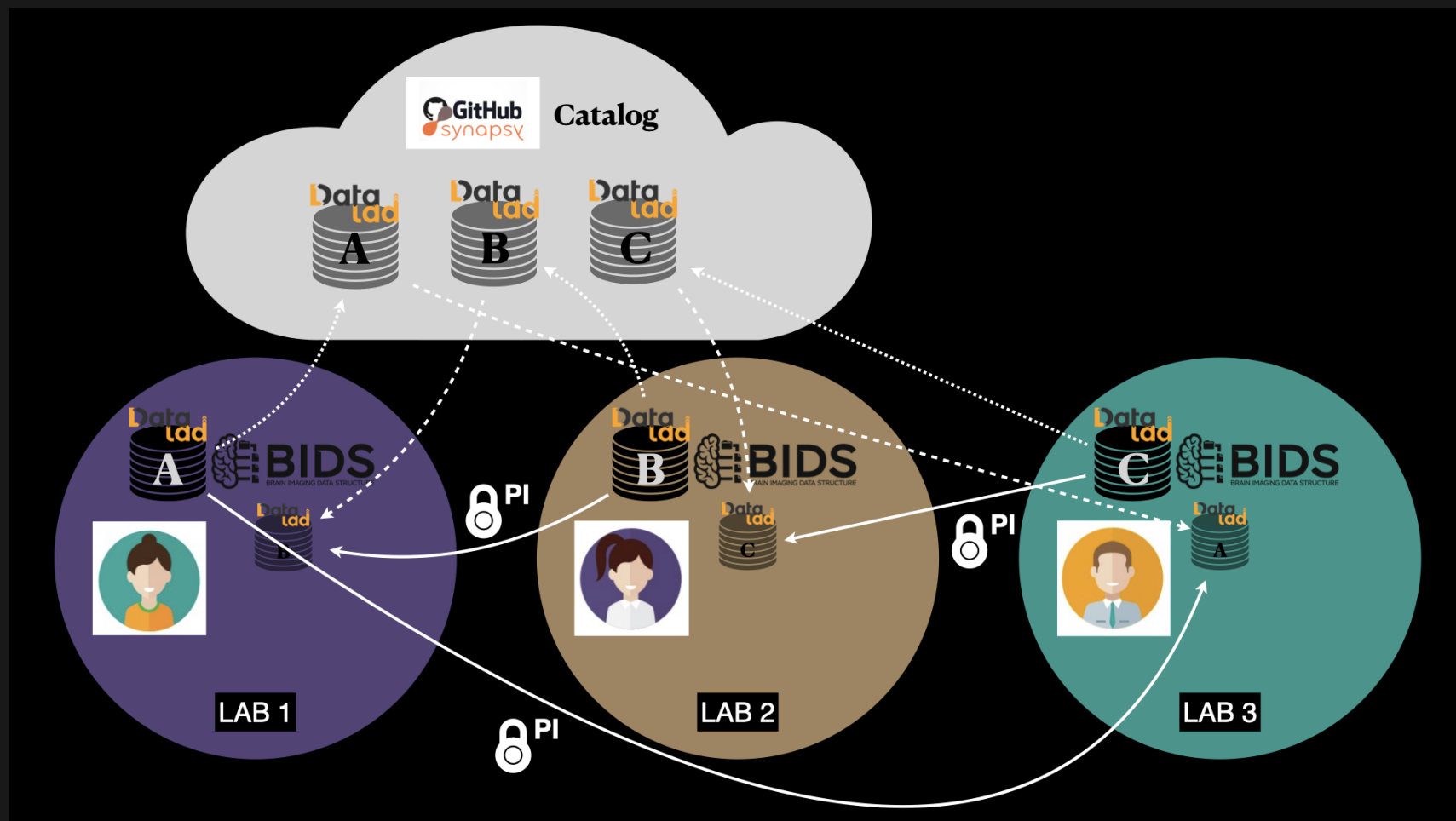
STEP 2: CREATION OF BIDS DATASETS FOR RAW DATA



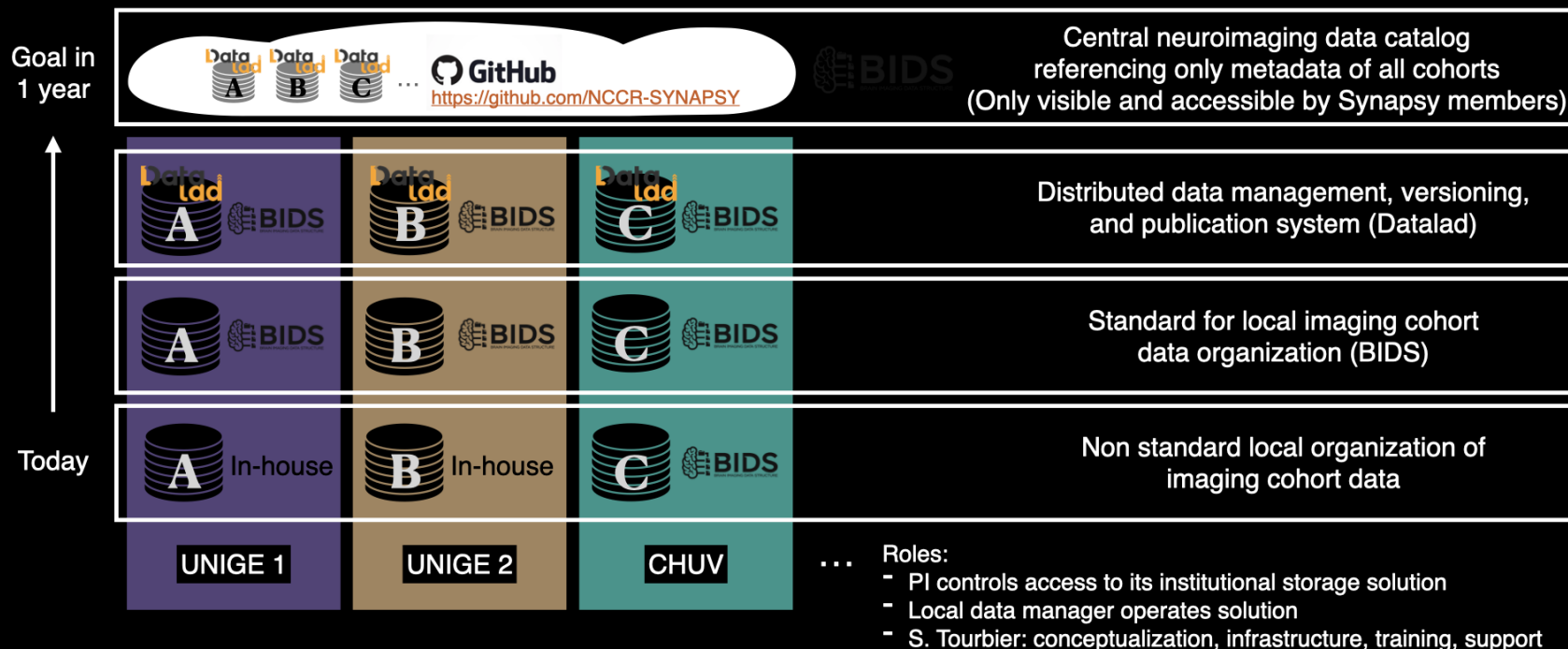
STEP 3: ADOPTION OF DATALAD



STEP 4: CREATION OF DATASET CATALOG



OVERVIEW



PROGRESS

(TO BE UPDATED AFTER MEETING)

			
Onboard			
MRI / EEG Cohort : Autism PI: M Schaer (C Michel) Data manager: N Kojovic / L-M Cantonas	✓ MRI EEG	—	—
MRI / EEG Cohort : 22q11.2 deletion syndrome PI: S Eliez (C Michel) Data manager: F Delavari / V Rochat	✓ MRI EEG	—	—
MRI / EEG Cohort : Early psychosis PI: K Do / P Conus (P Hagmann, M Murray) Data manager: S Tourbier / C Retsa	✓ MRI EEG	✓ MRI — EEG	—
New onboard			
MRI Cohort : Bipolar disorders PI: C Piguet Data manager: To be determined	—	—	—
MRI Cohort : Psychosis PI: S Kaiser Data manager: To be determined	—	—	—



Goal in
1 year