What on earth are all the files and folders outputted by the MEGneto pipeline? A table, by Julie Tseng (Jan 2020)

Filename	Description
project_path/MEG/…	
PID1.ds, …, PIDX.ds	*.ds folders contain all necessary MEG data, including the *.meg4 file, marker file, etc.
project_path/MRIs/…	
PID1.mri, …, PIDX.mri	*.mri files contain MRI anatomical data for each participant.
project_path/analyses/analysis_name/ …	
… config/…	
paths.json	JSON file with paths to various items, such as: - Raw MEG and MRI data - Project folder - Included participants list CSV @ every pipeline step
analysis_name.json	JSON file with the parameters/settings for this specific analysis, including: - Filtering options - ICA options - Beamforming technique - Connectivity analysis
all_subj_pids.csv	All participant IDs.
subj_fcp1.csv, …, subj_fcp5.csv	CSV files containing a list of participant IDs to be included at that fcpX step. Each step will load this CSV to control who the analysis will be executed on.
subj_match_fcp1.csv, …, subj_match_fcp5.csv	CSV files generated by each fcpX step listing the participants with *full* data (i.e., both MEG and MRI data), and subsequently the most accurate list of who was analyzed (participant is auto-omitted if no MRI data is found).
… analysis/…	
… group/…	
fcp1_output.json, fcp2_output.json, fcp2_5_output.json	JSON files with paths to various items such as: - Data at various stages of cleaning (e.g., only head motion removed, ICA-denoised) - Bad channels detected - ICA components for removal
ft_icacomp.json	All ICA components for participants
fcp_5_allAdjMats.mat	A (AAL nodes x AAL nodes x participants x freq. bands) master adjacency matrix for further analysis.
…/PIDX/…	
headmotion.png	Snapshot of the figure generated by the HeadMotionTool script.
triggerfigure.png	Plot of various markers along time axis.
ft_meg_trl_cfgHM.json	JSON record of epoched trials with head motion removed.
ft_meg_trl_cfg.json	JSON record of epoched trials with head motion, jump and muscle artifacts removed.
ft_meg_grad_cfg.json	JSON record of gradiometer information.
subj_epoching_info.mat	Epoching info.
data_noisecorr.mat	Epoched MEG data with filtering and noise reduction through 3rd order gradients.
icacomponents.mat	All ICA components resulting from analysis.
ICA_badcomp.json	List of ICA components marked for exclusion by user.
ft_meg_data_cfg.mat	ICA-denoised data (backprojected after deciding on which components to exclude).
ft_meg_fullyProcessed.mat	Fully preprocessed MEG data with some or all of the following: - Head motion trial removal - Artifact detection - Filtering (bandpass) - 3rd order gradient-based noise reduction - ICA-denoising - Bad channels repaired by taking (weighted) average of neighbours
AAL_beamforming_results.mat	MAT file with: - catmatrix: Source timeseries interpolated to AAL nodes - srate: sampling rate - coords: coordinates
fcp_5_adjmat.mat	MAT file with adjacency matrix from functional connectivity analysis of participant. Dimensions: (nodes x nodes x trials x freq. bands)