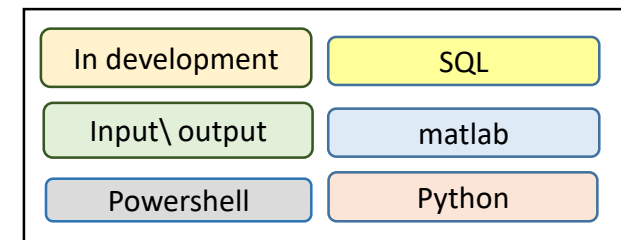
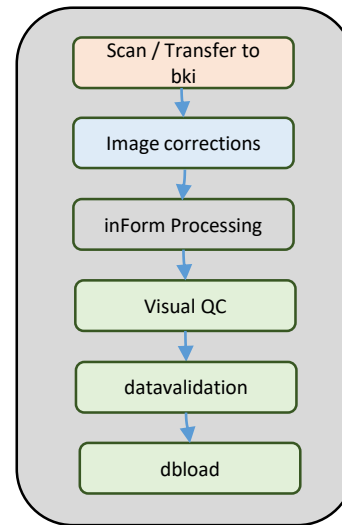
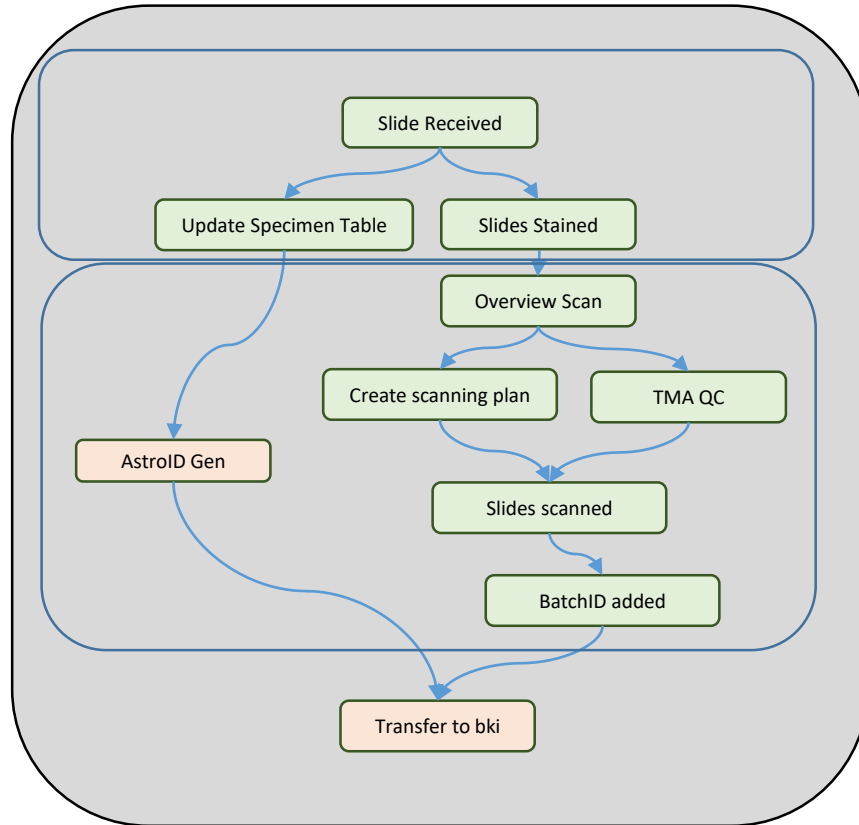


High Level Processing Steps for Each Project

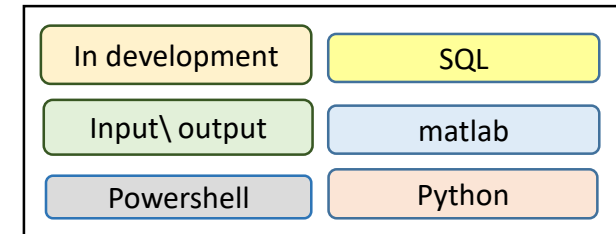
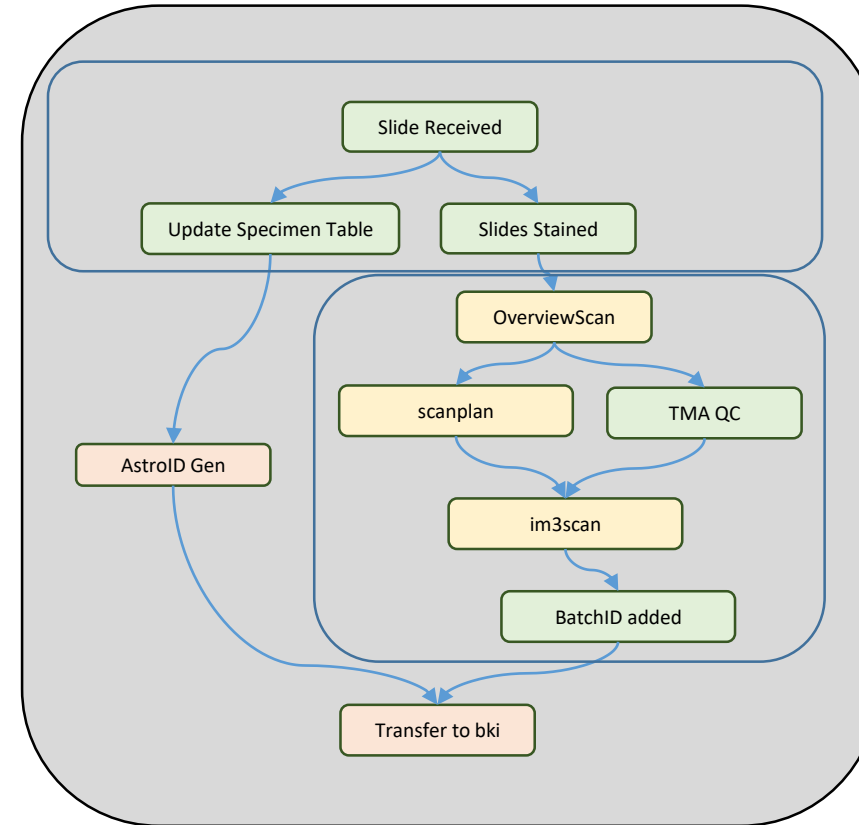


Scanning Process

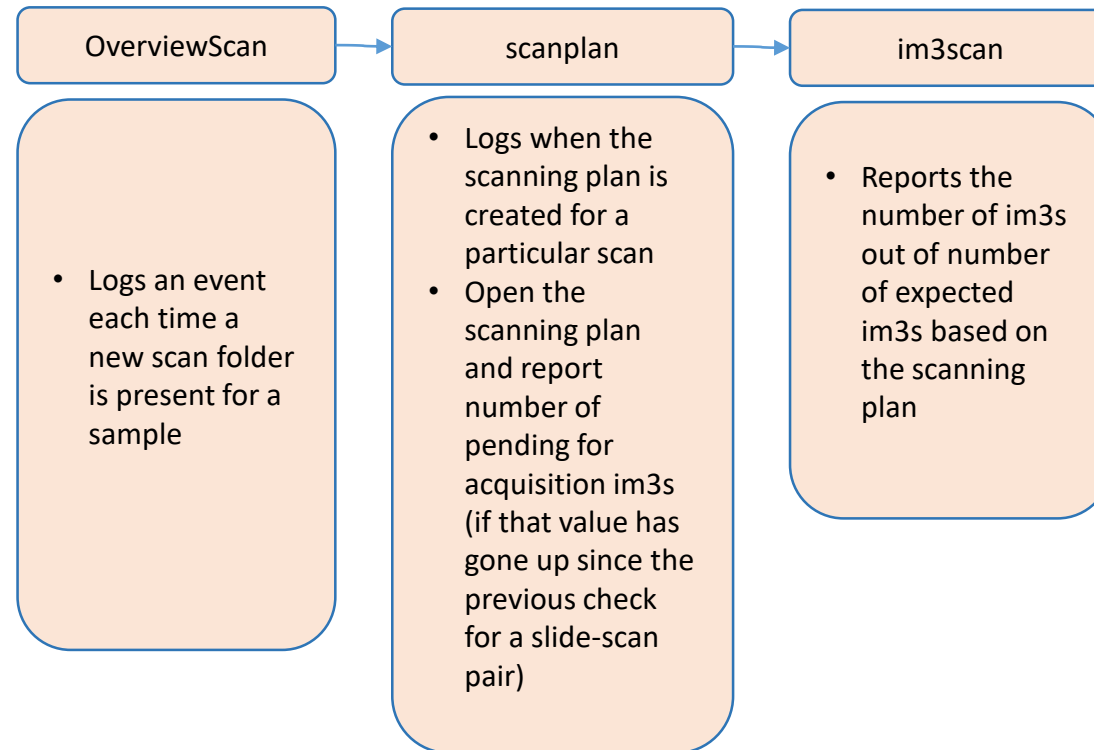
Current Development



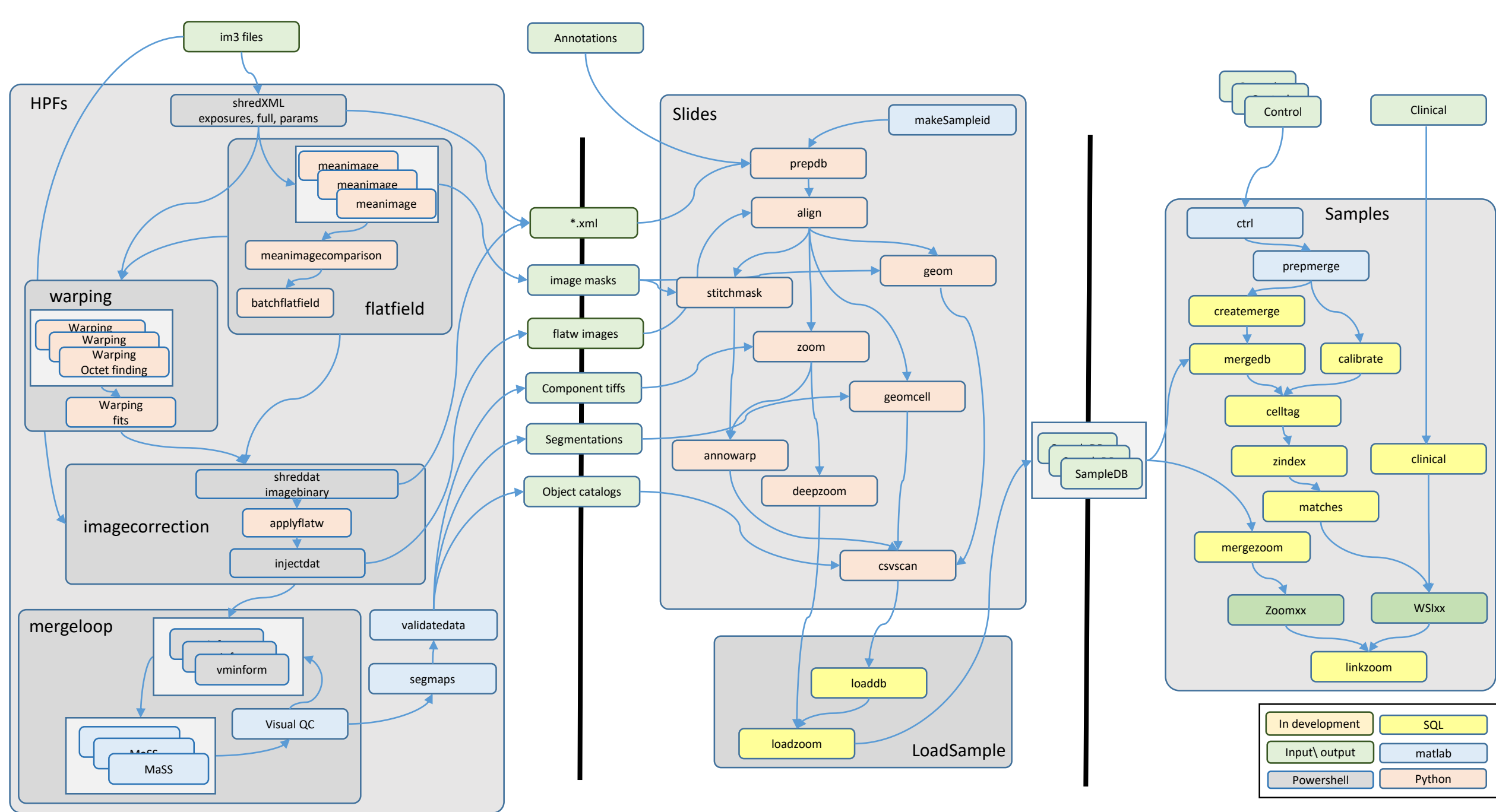
In Development



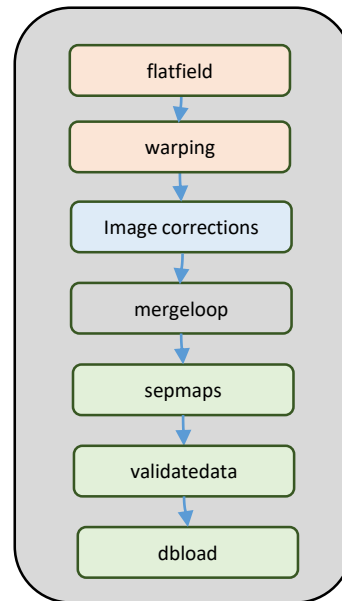
Scans Overview



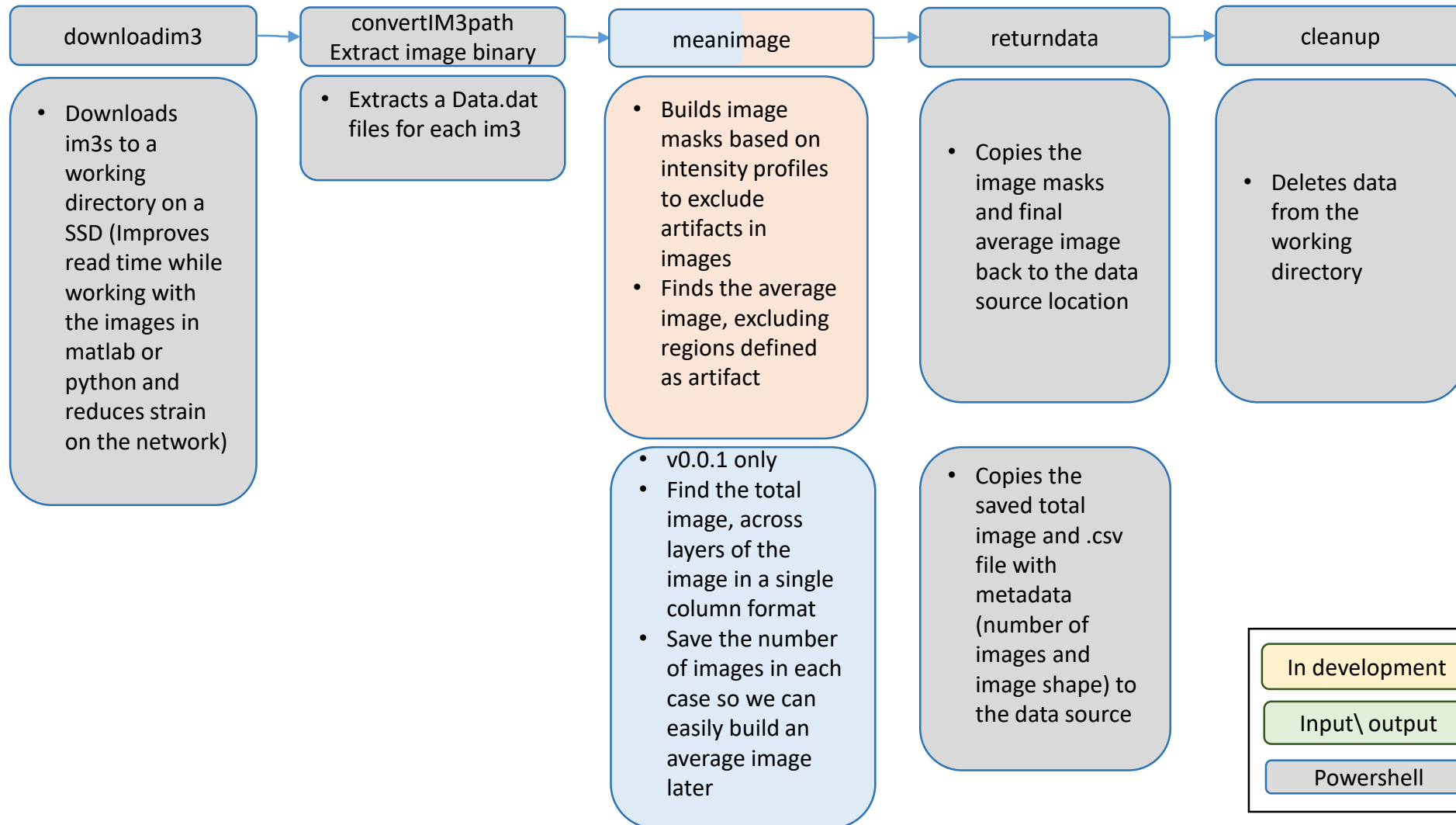
In development	SQL
Input\output	matlab
Powershell	Python



AstroPath Processing



meanimage



imagecorrection

downloadim3

- Downloads im3s to a working directory on a SSD (Improves read time while working with the images in matlab or python and reduces strain on the network)

fixM2

- Resolves the M# files created by scanning errors.
- Added here so that the function can be used globally without the *AstroPathPipeline*

shreddat
image binary, exposures, params

- Extracts a *.Data.dat files for each im3
- Extracts a *.Parameters.xml and a *.full.xml file for each slide
- Extracts a *.SpectralBasisInfo.Exposure.xml for each slide

applyflatw

- Applies the flatfield model and image warping corrections to all images

- v0.0.1 only
- Apply the flatfield model defined by meanimage v0.0.1
- Only applies the warping model to JHU Vectra 3.0

injectdat

- Injects the corrected *.Data.dat files back into the *.im3 files
- Renames Data.dat files to *.fw

extractlayer

- Extracts the first image layer as *.fw01

cleanup

- Sends the corrected *.im3 files to the im3\flatw path on the source location
- Sends the *.fw and *.fw01 to the flatw location
- Sends the *.xml data to the im3\xml path
- Deletes the .Data.dat files

In development

SQL

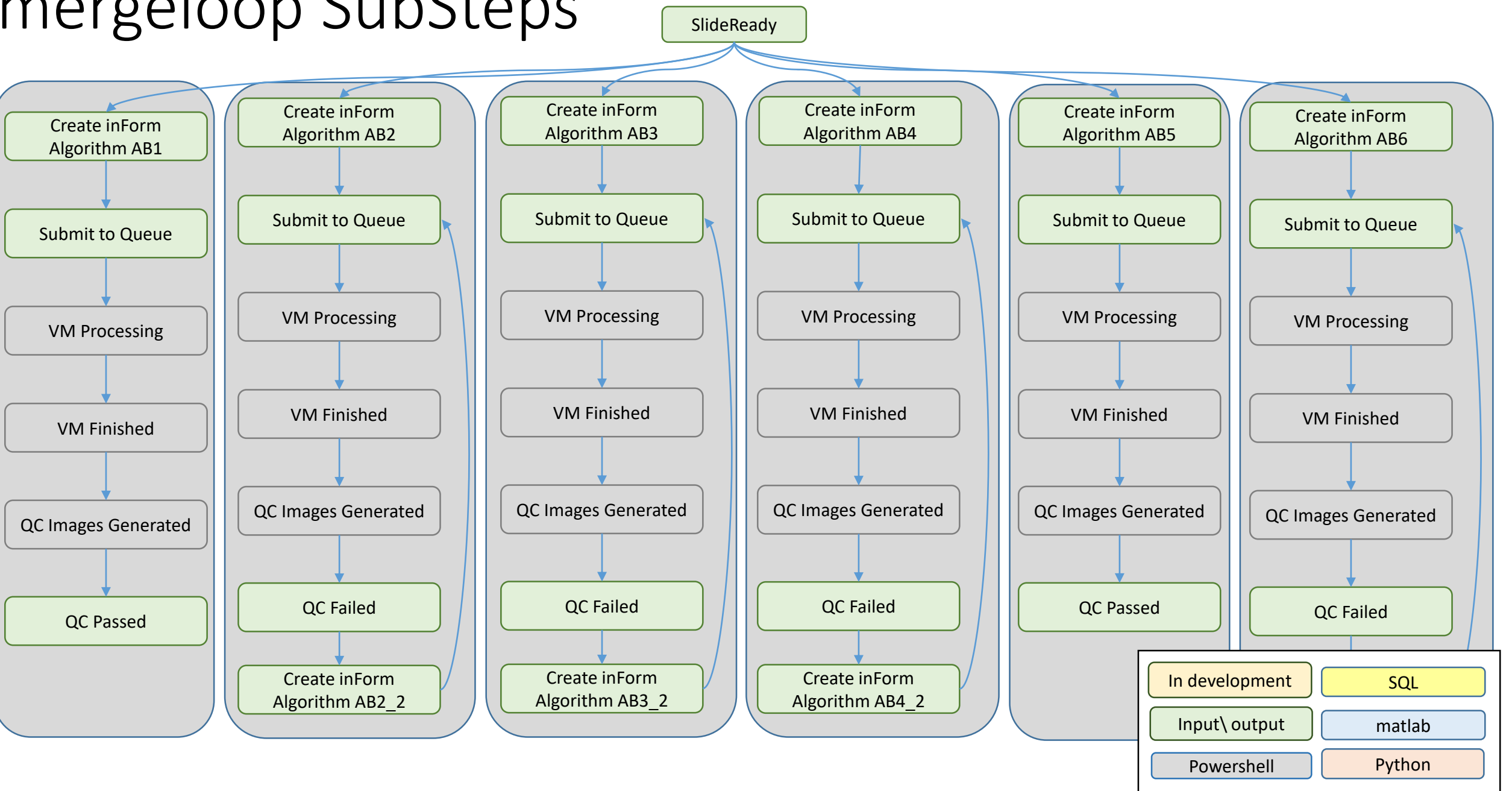
Input\output

matlab

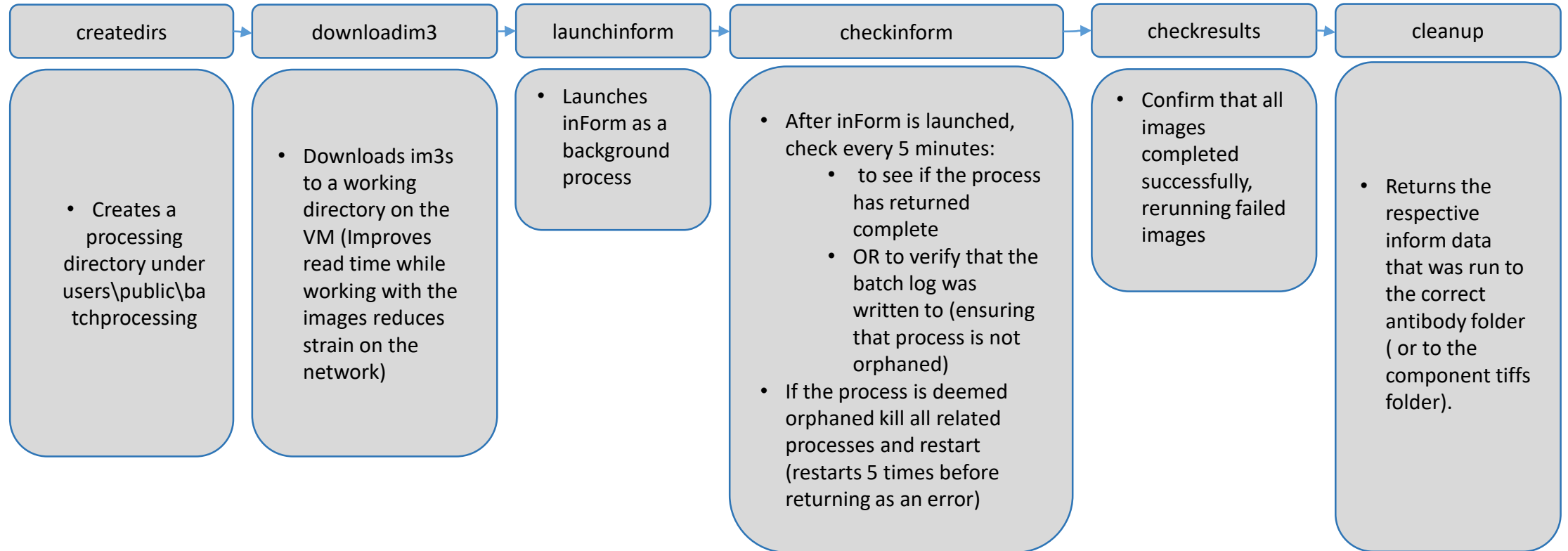
Powershell

Python

mergeloop SubSteps



vminform



In development

SQL

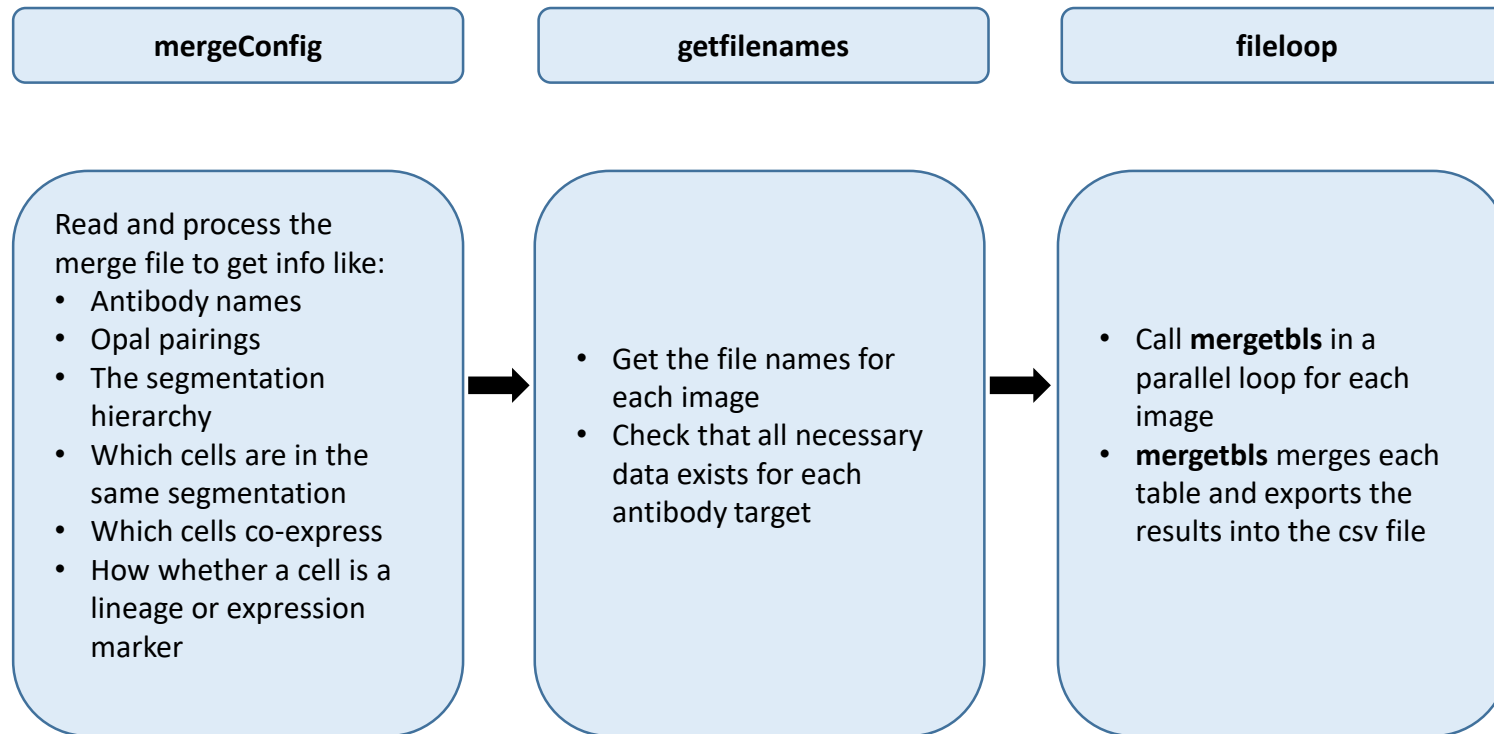
Input\output

matlab

Powershell

Python

MaSS



In development	SQL
Input\ output	matlab
Powershell	Python

fileloop ➡ mergetbls

