



.ome.zarr

input images can be loaded from a variety of different dataformats.



Configuration file containing all tunable parameters for rapid prototyping and reproducible processing.

project datastructure on file system containing all generated results and the input images

```
/SPARCSpyProject  
  config.yml
```

```
/segmentation  
  processing.log  
  segmentation.h5
```

```
/extraction  
  processing.log  
  /data/single_cells.h5
```

```
/classification  
  processing.log  
  GolgiVGG.csv
```

```
/selection  
  processing.log  
  2021_07_08_class1.xml
```

SPARCSpy Project

Class: Project

Segmentation

Class: CytosolSegmentationCellpose

Extraction

Class: HDF5CellExtraction

Classification

Class: MLClusterClassifier

Selection

Class: LMDSelection

project class chosen according to data dimensionality

specific method class chosen from within SPARCSpy for each processing step