**EvaluateSemanticSegmentation README**

**Semantic Segmentation IOU evaluation script**

Find the semantic segmentation IOU match between predicted and GT mask for vessels. The script can run as-is with the example folders supplied.

# **Main Input Parameters**

**GTDir:** contains the path to the LabPics evaluation set that is used as Ground truth

**PredDir:** Contain the link to the predicted semantic segmentation

(See Subfolder **ExampleData/Predict/**

for example in this folder).

**Predicition folder strucutre:**

See Subfolder **ExampleData/Predict/** for example prediction folder.

The structure of the predicted dir should be as follows:

**PredDir**

**├──ImageDir1**

**│ │**

**│ └──Semantic**

**│ ├──Liquid.png**

**│ ├──Filled.png**

**│ ├──Tube.png**

**│ └──Vessel.png**

**│**

**├─────ImageDir2**

**│ ├──....**

**... ...**

**ImageDir:** Should have the same name as the image folder in LabPics evaluation set for every image folder in the GT dir there should be a similar folder in the predicted folder.

**ImageDir1\Semantic:** Folder contains semantic maps for the full image

**ImageDir1\ContentSemantic\Liquid.png:** Semantic map for liquid. **ImageDir1\ContentSemantic\Foam.png:** Semantic map for foam class. **ImageDir1\ContentSemantic\Tube.png:** Semantic map for tube class.

**Additional parameters**

**ClassToUse:** classes that will be used for the evaluation.

**LimitToVessel:** only this vessel types if "" check all.

**MinMapAreaInPixels:** Minimum number of pixels in maps to use (smaller number will be ignored).