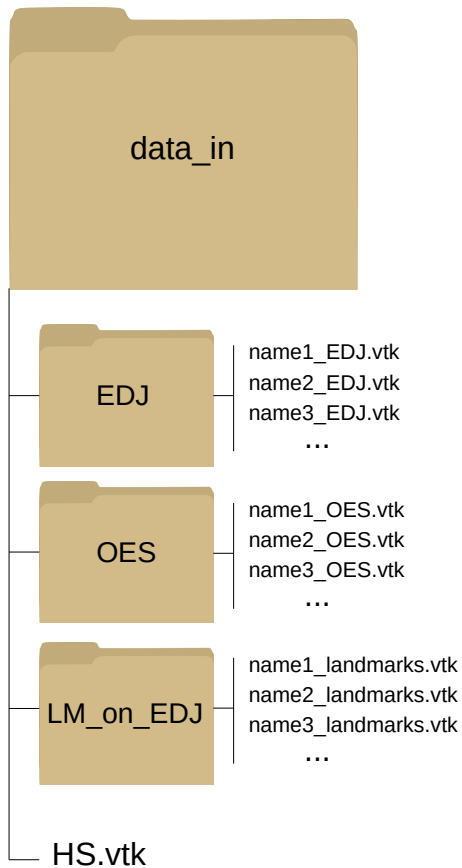


# FLATEETH - Pre process

## READ ME

### 1 Usage

To use correctly this script you have to place your data in the directory named "in". So that you have :



With :

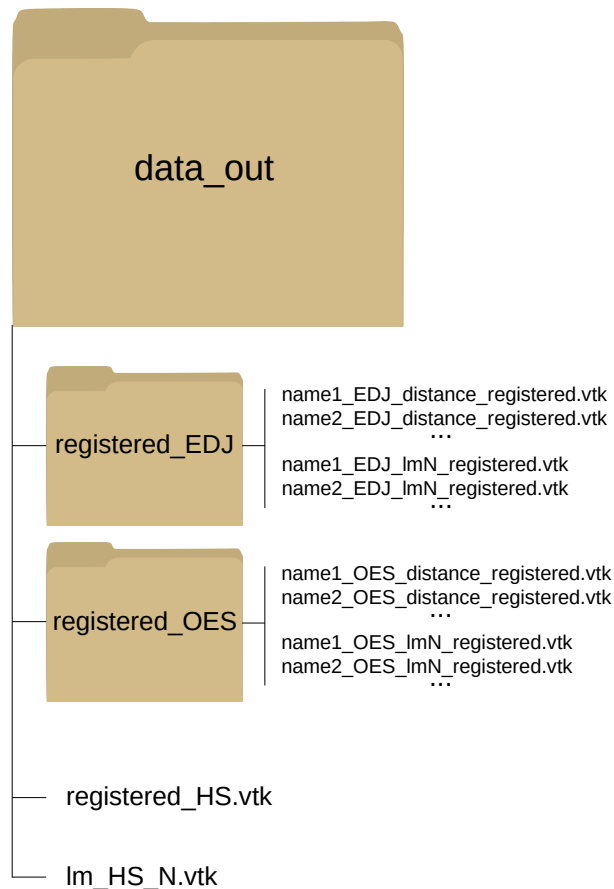
- In `EDJ` :
  - all the dentine surfaces named "`namex_EDJ.vtk`"
- In `OES` :
  - all the enamel surfaces named "`namex_OES.vtk`"
- In `LM_on_EDJ` :
  - all the landmarks named "`namex_landmarks.vtk`"

Each "`namex`" must fit, so there must be the same number of files in each folder.

- `HS.vtk` the surface of the hemisphere you want to register the other surfaces on.

## 2 Output

The output will be reshaped like this :



With :

- In EDJ :
  - all the registered dentine surfaces files with distance of dentine to cervix named "`namex_EDJ_distance_registered.vtk`"
  - all the corresponding landmarks files named "`namex_EDJ_lmN_registered.vtk`", with 'N' in 'lmN', the number of landmarks
- In OES :
  - all the registered enamel surfaces files with distance of enamel to dentine named "`namex_OES_distance_registered.vtk`"
  - all the corresponding landmarks files named "`namex_OES_lmN_registered.vtk`", with 'N' in 'lmN', the number of landmarks

Each "namex" must fit, so there must be the same number of files in each folder.

- `registered_HS.vtk` the registered hemisphere surface.
- `lm_HS_n.vtk` the landmarks on registered hemisphere surface. `n` = number of landmarks.
- `HS.vtk` the surface of the hemisphere you want to register the other surfaces on.