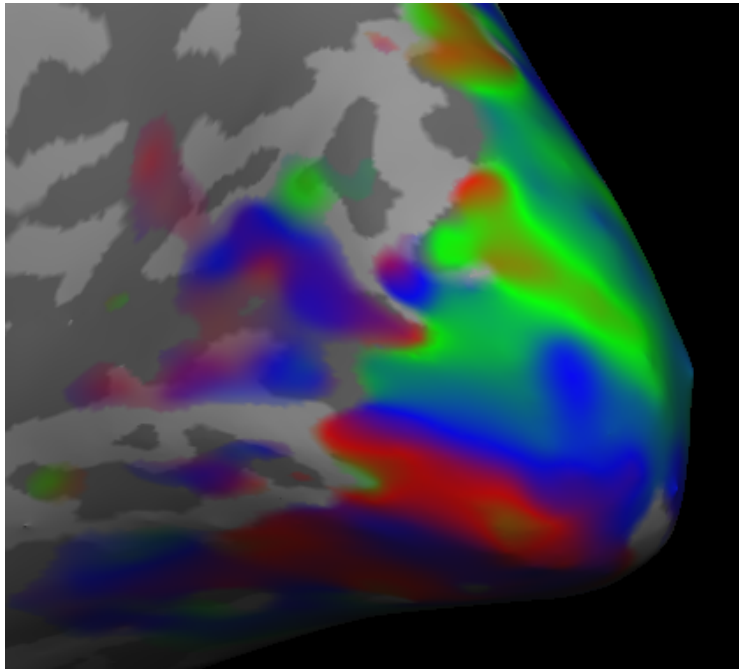From:
FS_analysis/s002/Retinotopy.1run.sess1.sess2/retinotopy.polar.sm5.rh
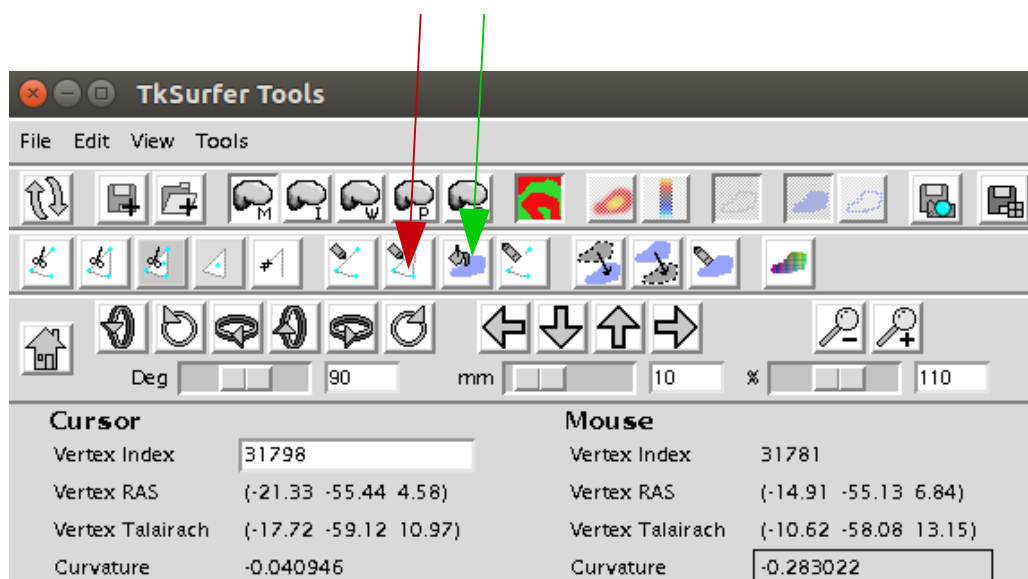
run:
rtview --s s002 --rh --polar --real polar/real.nii.gz --imag polar/imag.nii.gz --fsig polar/fsig.nii.gz
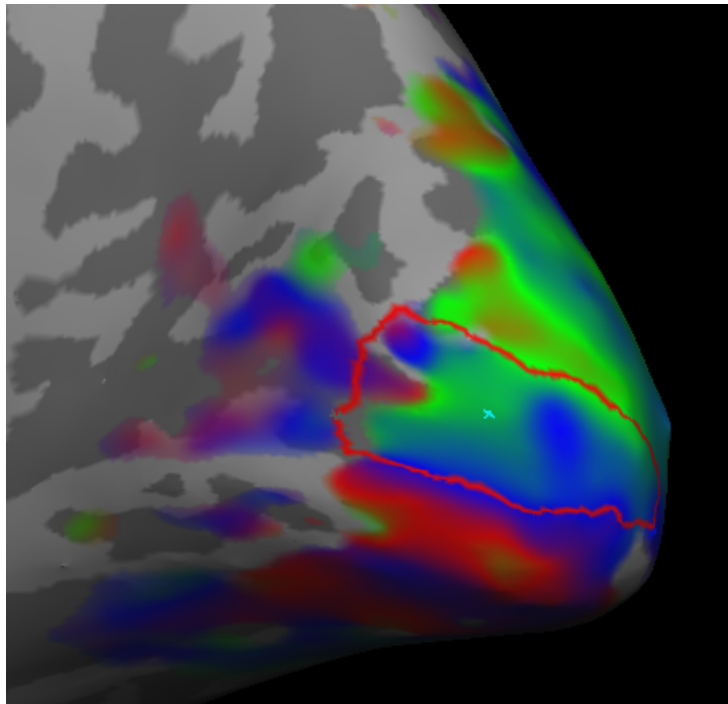
Rotate the brain until you see the medial surface. Zoom in and center.

Press the "Make Closed Path" button (indicate by the red arrow). Then mark with the cursor points defining the area you want to delimitate.
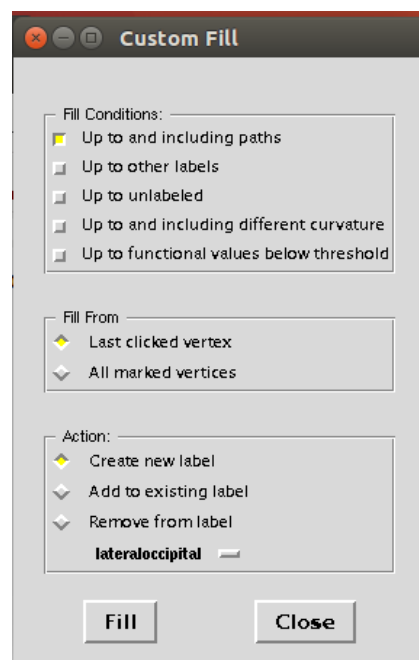
Then press again the "Make Closed Path" button. Then click with the cursor on a point inside the area.

Click on "Custom Fill" (button indicated by green arrow). Then select on:
"Fill conditions" - "Up to and including paths";
"Fill From" - "Last clicked vertex"
"Action" - Create new label

as shown below. And press "Fill".

Then press File > Label > Save Selected Label

Input a name, for example "v1rh.label" and click ok.

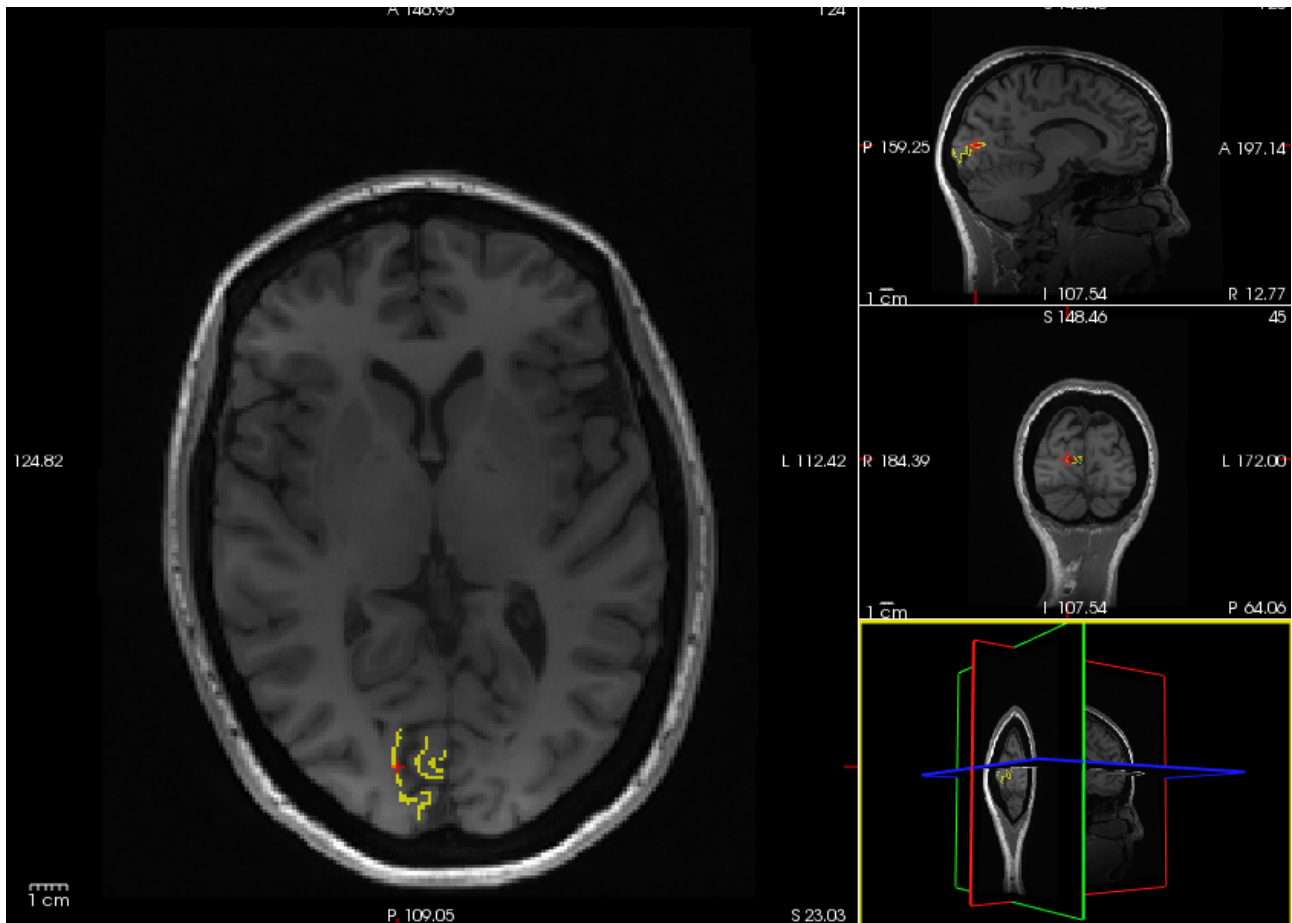To visualize the label you just created go to $SUBJECTS_DIR and from there run:

freeview -f s002/surf/rh.inflated

On "Surfaces" put "Curvature" to "off". On "Label" select "Load from file" and then navigate to the label you created "v1rh.label".
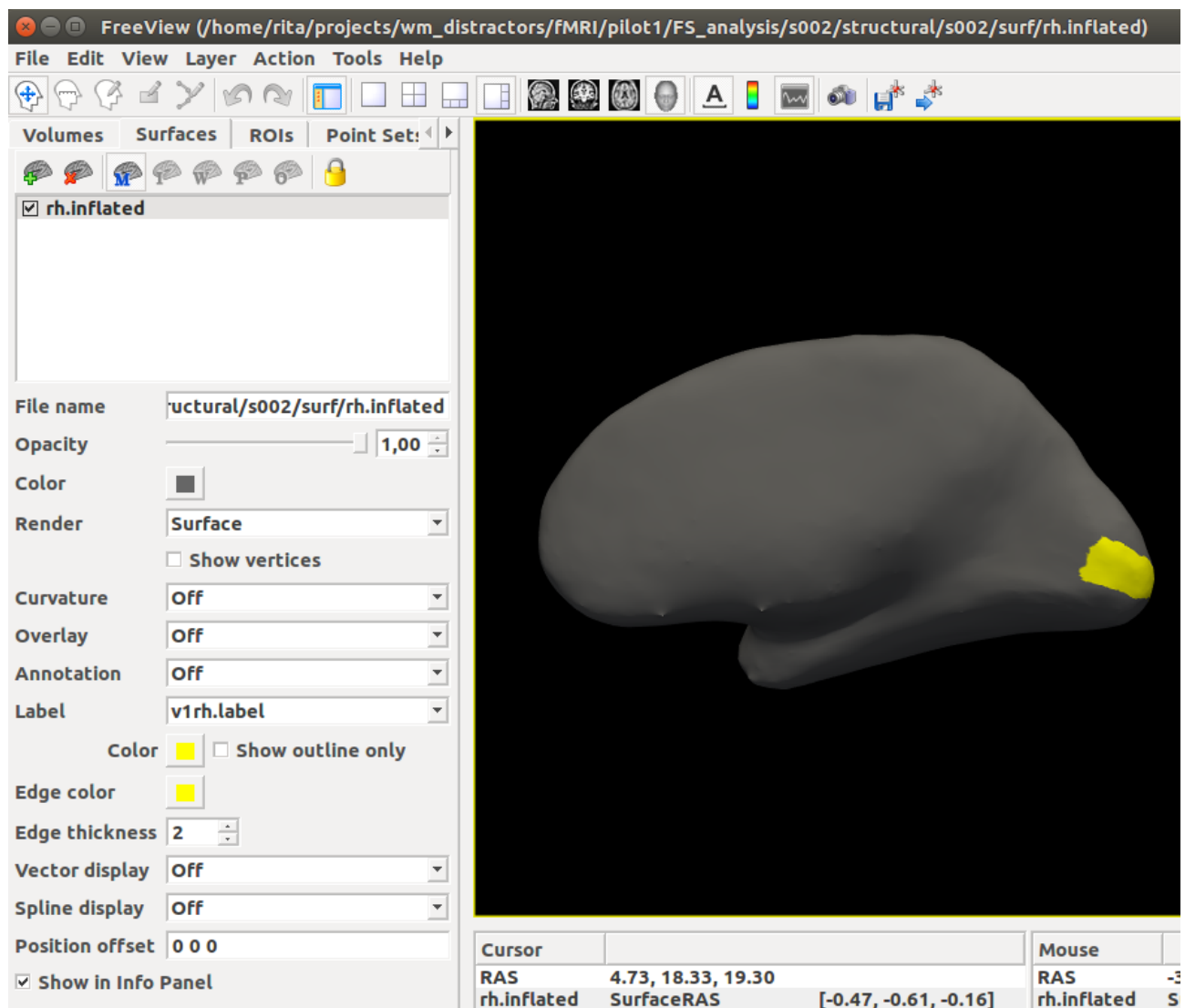
To visualize on volume, run:
freeview -v s002/mri/orig.mgz

Then click on File > Load ROI and choose the same label "v1rh.label"

Final create a mask (maskV1rh.nii.gz) from the label file using:

Mask with the voxel size of the structural image:
mri_vol2roi --label s002/label/v1rh.label --srcvol s002/mri/orig.mgz --finalmskvol maskV1rh
--roiavg v1rh.delete.dat

Mask with the voxel size of the functional image. This is what we want!
mri_vol2roi --label s002/label/v1rh.label –srcvol
../enconding_model/sess01/bold/001/template.nii.gz --srcreg
../enconding_model/sess01/bold/001/register.dof6.dat --finalmskvol maskV1rh_2 --roiavg
v1rh.delete.dat