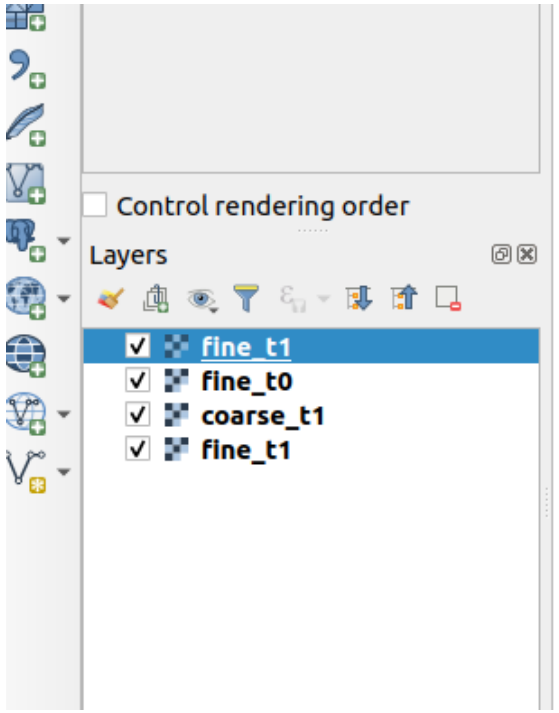
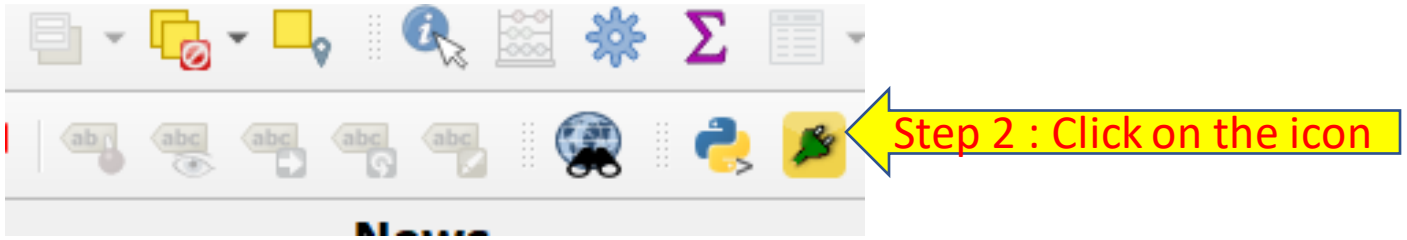
Manual for Image Fusion

- Load raster files into QGIS.



- Install Image Fusion plugin from zip file (Refer Installation manual).



- Image Fusion GUI appears as shown below.

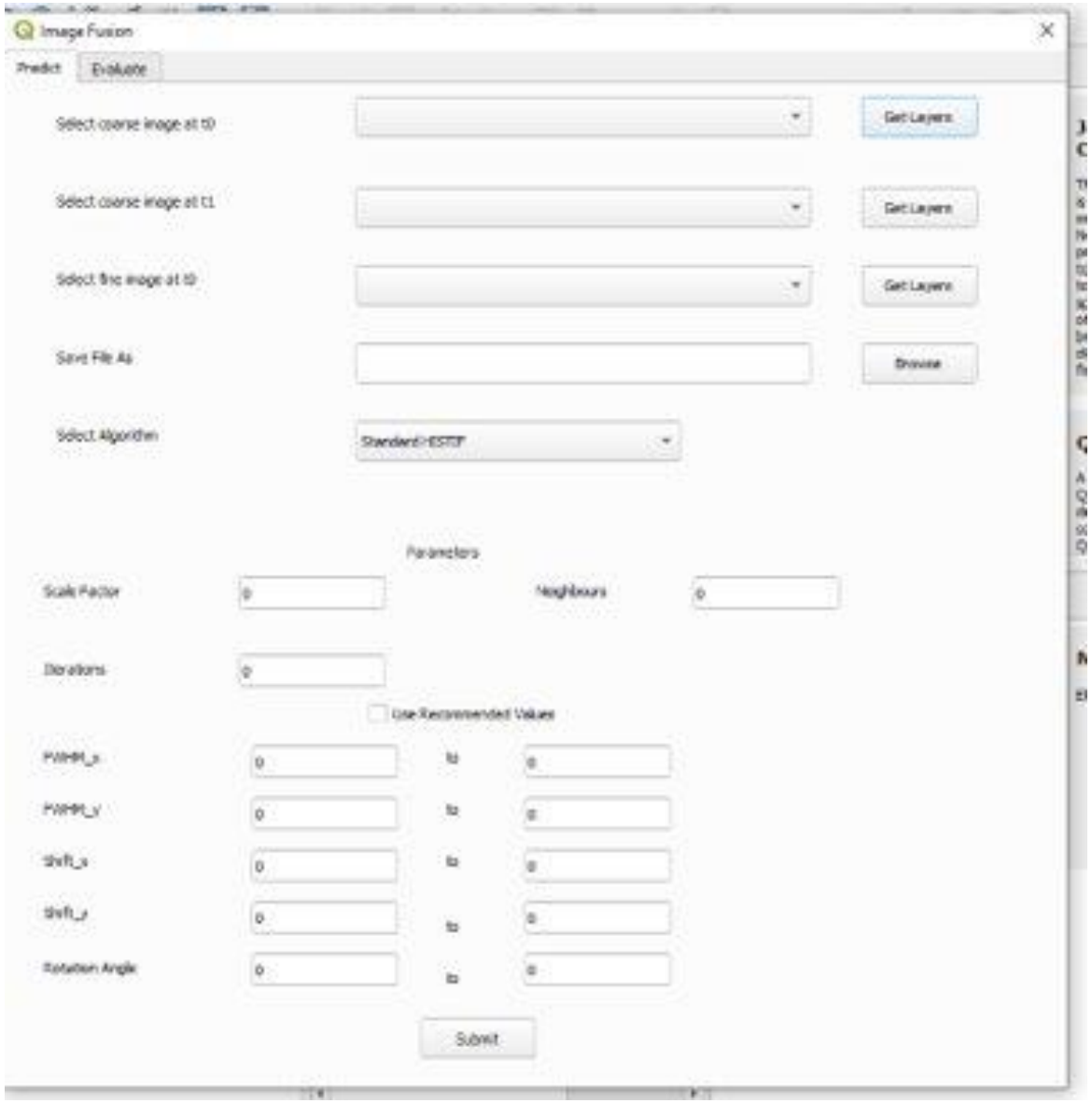


Image Fusion Prediction

- Step 1 : Click on Predict tab.
- Step 2 : Load missing pixels file into QGIS.
- Step 3 : Click on Get Layers button.
- Step 4 : Select layer from combo box.
- Step 5 : Click browse button, select output directory and enter output file name.
- Step 6: Select Algorithm from combo box.
- Step 7 : Enter parameters or use recommended values
- Step 8 : Click on submit button to run the program.

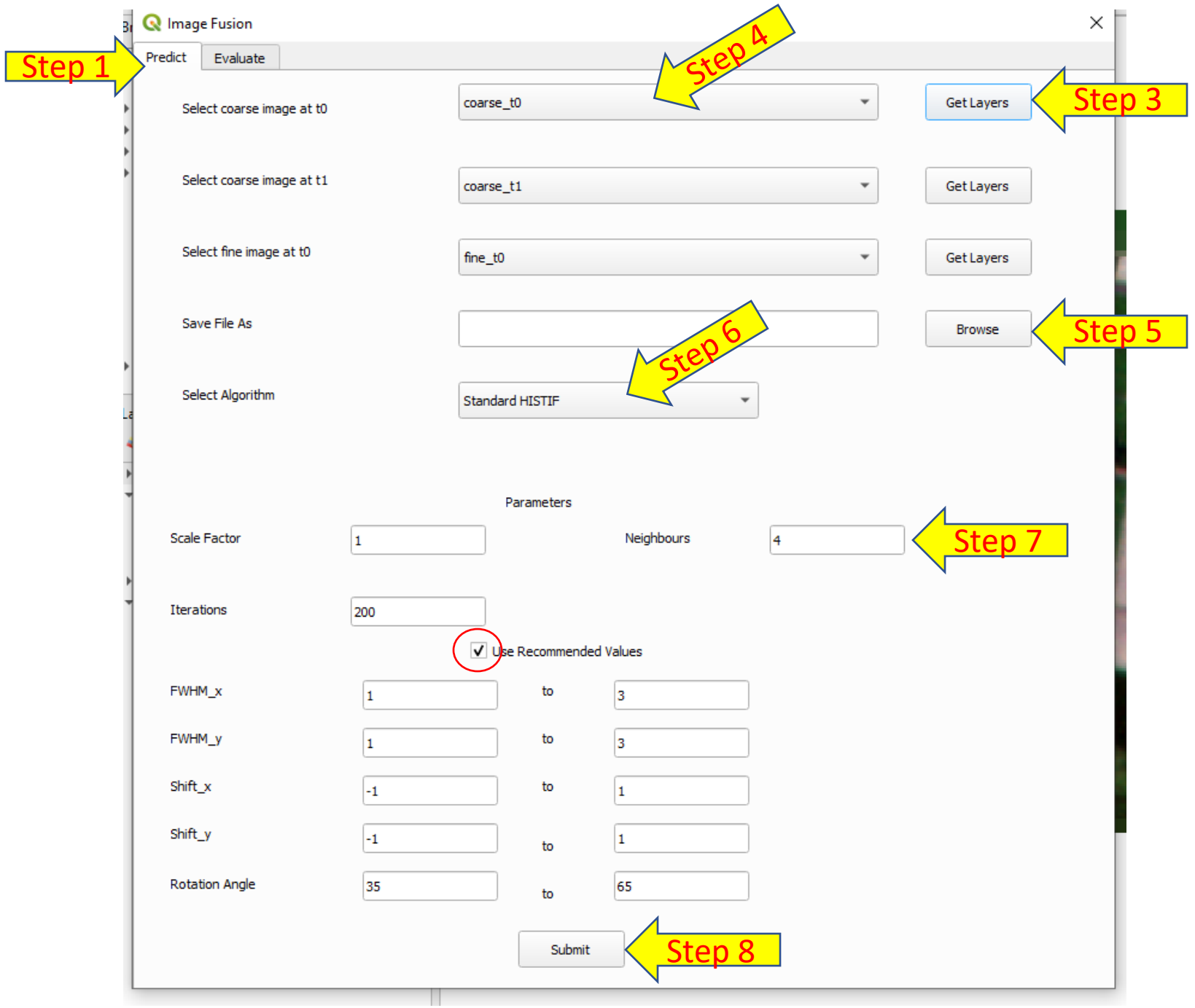


Image Fusion
Predict
Evaluate
Step 1
Step 4
Step 3
Step 5
Step 6
Step 7
Step 8
Select coarse image at t0
coarse_t0
Get Layers
Select coarse image at t1
coarse_t1
Get Layers
Select fine image at t0
fine_t0
Get Layers
Save File As
Browse
Select Algorithm
Standard HISTIF
Parameters
Scale Factor
1
Neighbours
4
Iterations
200
Use Recommended Values
FWHM_x
1
to
3
FWHM_y
1
to
3
Shift_x
-1
to
1
Shift_y
-1
to
1
Rotation Angle
35
to
65
Submit

Image Fusion Evaluation

- Step 1 : Click on Evaluate tab.
- Step 2 : Load predicted file into QGIS.
- Step 3 : Click on Get Layers button.
- Step 4 : Select ground truth and predicted layers from combo box.
- Step 5 : Click browse button, select output directory and enter output file name.
- Step 6 : Click on submit button.