Output from FWI
iteration i

Getting the size map

Output model
(point cloud)
triangulation
Intermediate mesh
to adapt
compute
size map
Size Map

Getting the mesh

Size Map
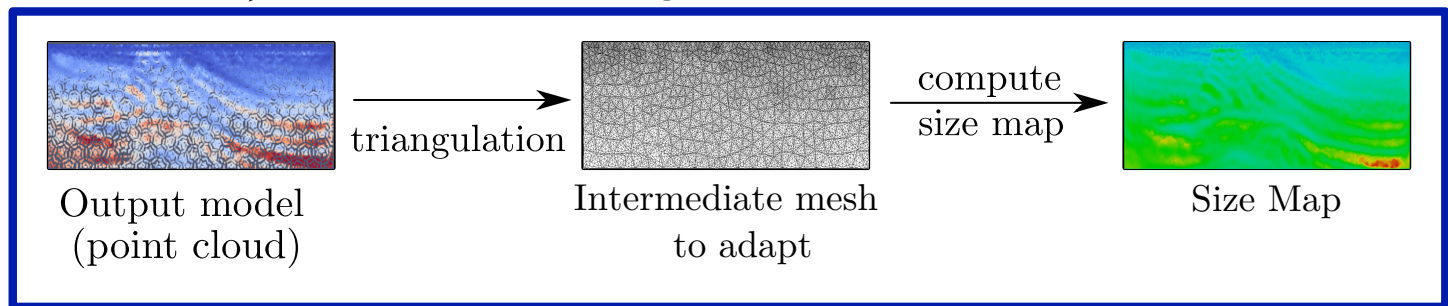
Intermediate mesh
mesh
adaptation
New mesh
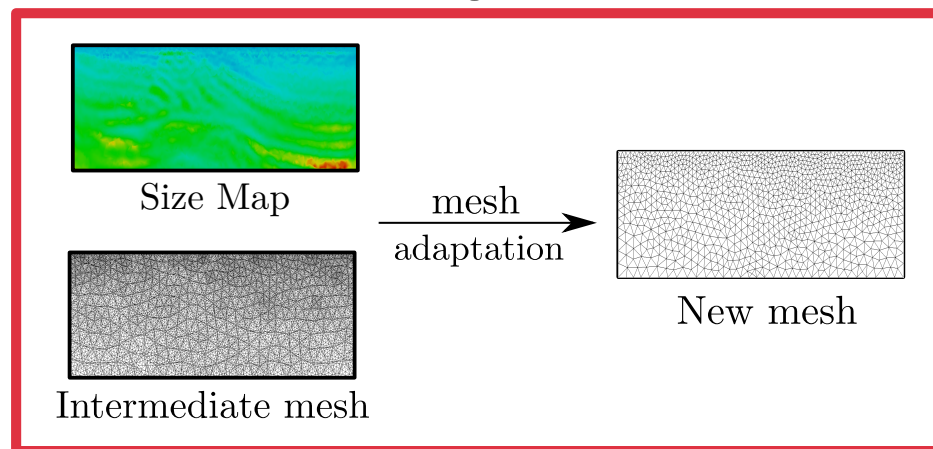
Preprocessing requirement

New mesh

New model
coordinates

Projected new model

p-adaptivity map

Begin of FWI
iteration $i + 1$