

```
import gstools as gs
import meshio
# load mesh with meshio
mesh = meshio.read("mesh.vtu")
model = gs.Gaussian(dim=2, len_scale=0.5)
srf = gs.SRF(model, seed=314159)
# generate same field on mesh points and cell-centroids
srf.mesh(mesh, points="points", name="p-field")
srf.mesh(mesh, points="centroids", name="c-field")
```

