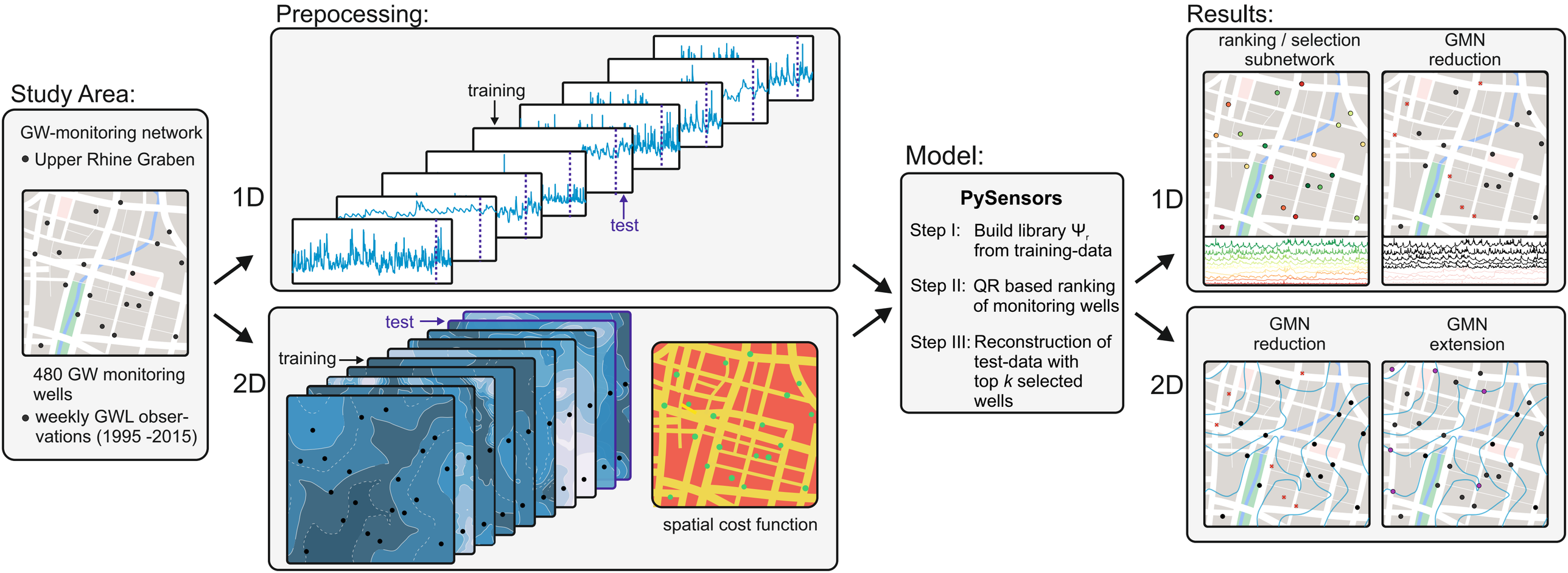
Study Area:
GW-monitoring network
• Upper Rhine Graben
480 GW monitoring wells
• weekly GWL observations (1995 -2015)
Prepocessing:
1D
training
test
2D
test
training
spatial cost function
Model:
PySensors
Step I: Build library Ψ_r from training-data
Step II: QR based ranking of monitoring wells
Step III: Reconstruction of test-data with top k selected wells
Results:
1D
ranking / selection subnetwork
GMN reduction
2D
GMN reduction
GMN extension