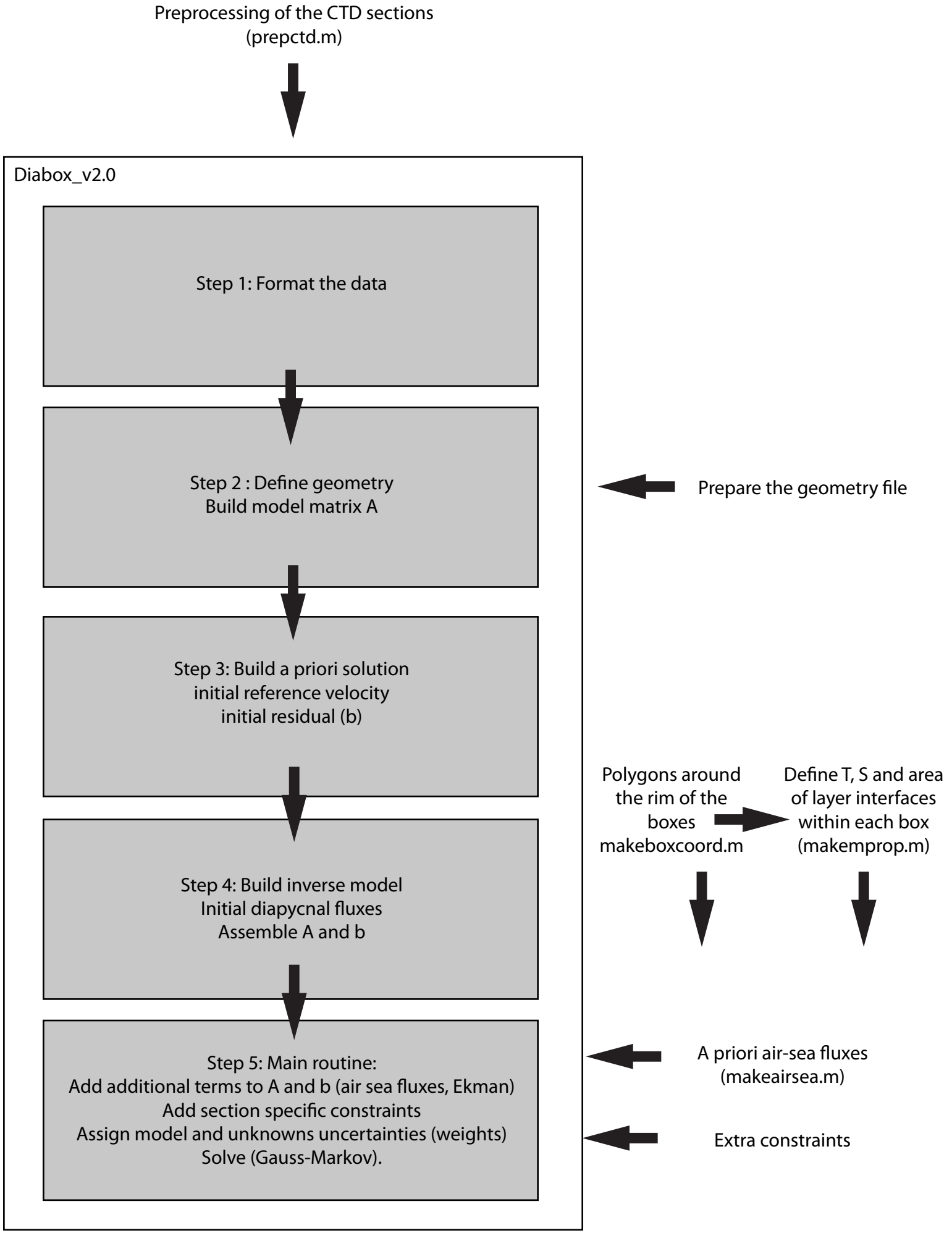
Preprocessing of the CTD sections
(prepctd.m)
Diabox_v2.0
Step 1: Format the data
Step 2 : Define geometry
Build model matrix A
Prepare the geometry file
Step 3: Build a priori solution
initial reference velocity
initial residual (b)
Polygons around the rim of the boxes
makeboxcoord.m
Define T, S and area of layer interfaces within each box
(makemprop.m)
Step 4: Build inverse model
Initial diapycnal fluxes
Assemble A and b
Step 5: Main routine:
Add additional terms to A and b (air sea fluxes, Ekman)
Add section specific constraints
Assign model and unknowns uncertainties (weights)
Solve (Gauss-Markov).
A priori air-sea fluxes
(makeairsea.m)
Extra constraints