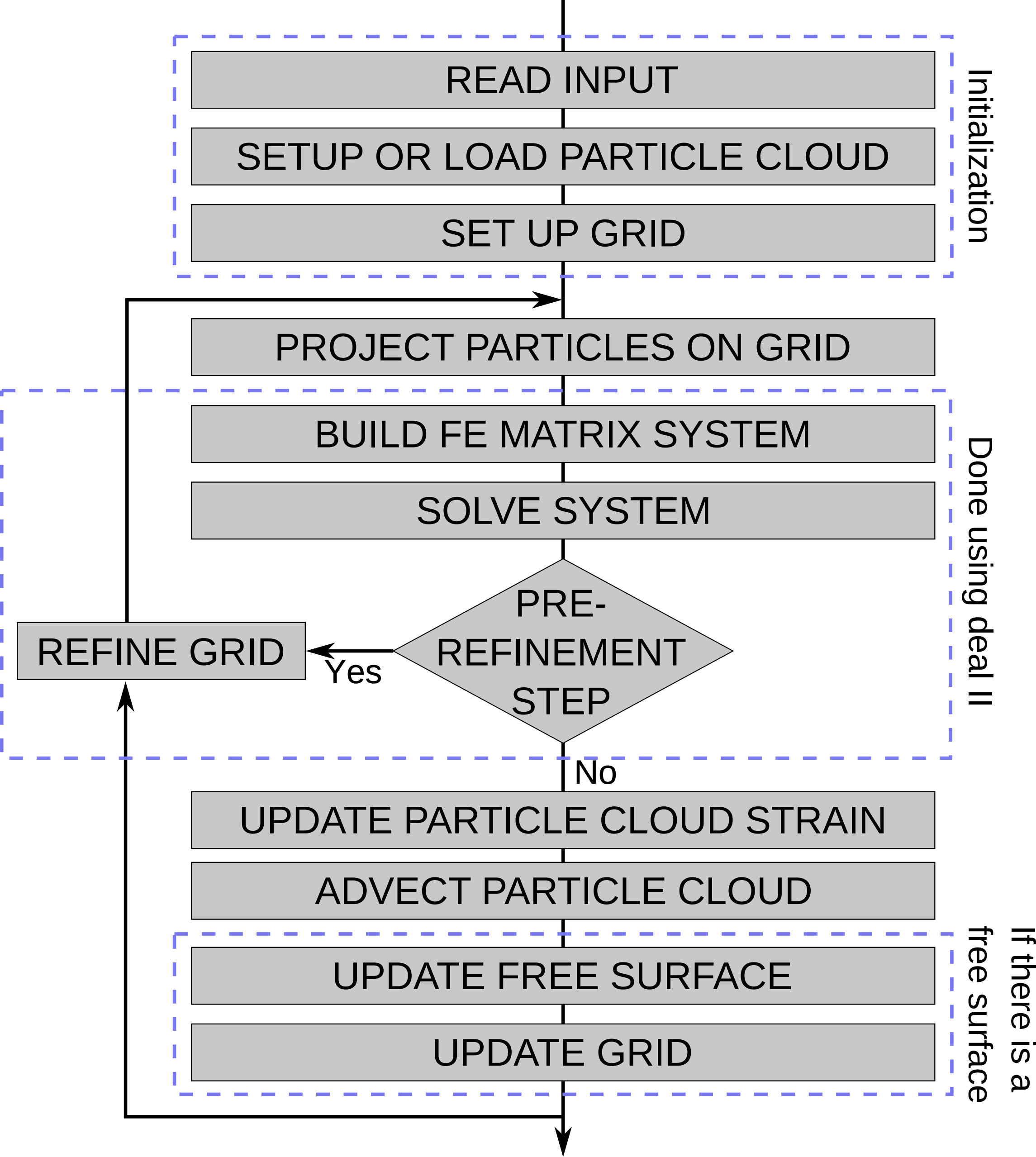
READ INPUT
SETUP OR LOAD PARTICLE CLOUD
SET UP GRID
Initialization
PROJECT PARTICLES ON GRID
BUILD FE MATRIX SYSTEM
SOLVE SYSTEM
PRE-REFINEMENT STEP
Yes
REFINE GRID
No
Done using deal II
UPDATE PARTICLE CLOUD STRAIN
ADVECT PARTICLE CLOUD
UPDATE FREE SURFACE
UPDATE GRID
If there is a free surface