<OpenPDAC SC6.1>

Description: Workflow for Urgent, high resolution 3D multiphase flow simulation of phreatic eruptions

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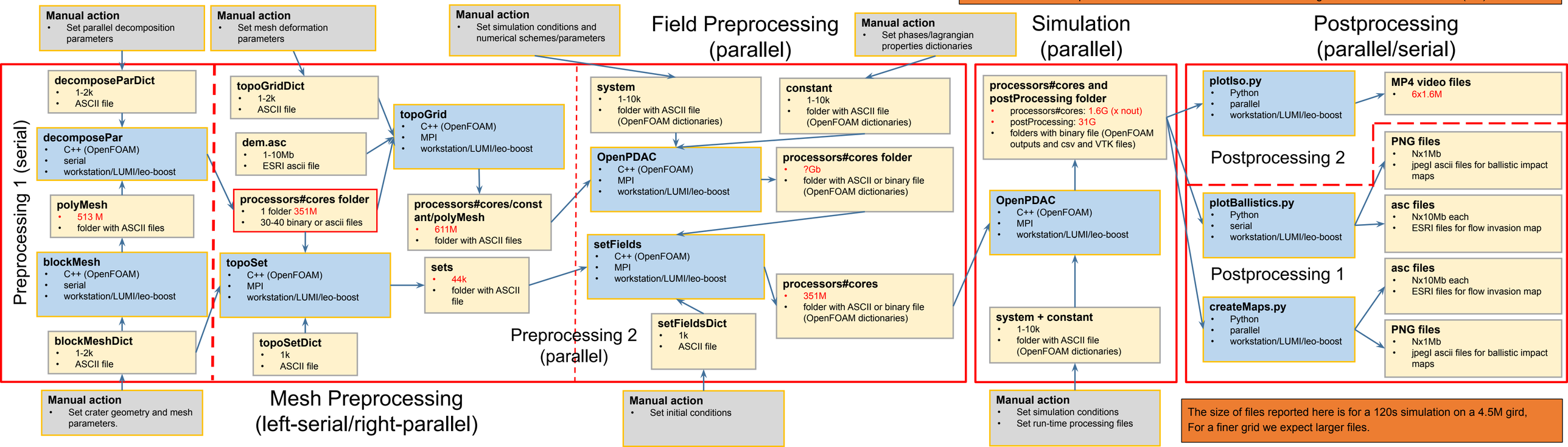
This workflow consists of a limited number of uncorrelated high-resolution (order of 1m at the ground) 3D numerical simulations of phreatic explosions.
Each simulation will require between 10^7 and 10^8 elements and $>10^9$ degrees of freedom solved on $O(10^4)$ cores



The size of files reported here is for a 120s simulation on a 4.5M gird, For a finer grid we expect larger files.