

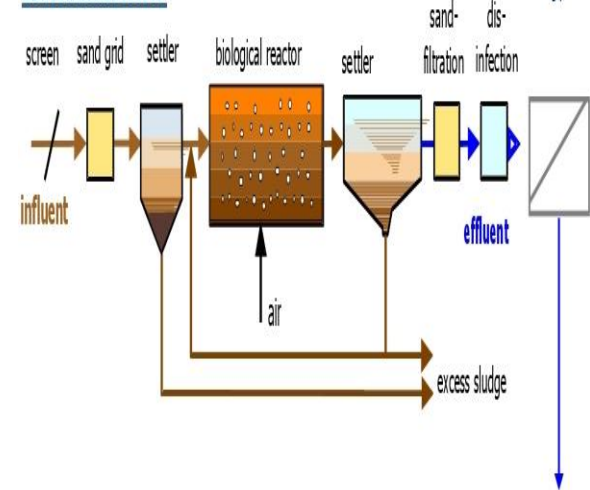
Task 1: Design

Carefully design the experiment to produce a good coverage (LHS)

Task 2: LAMMPS

Run LAMMPS for fixed number of days to obtain **microscale** simulation data

Conventional WWTP



Task 3: Data Processing

Summarize the relevant outputs from **microscale** to **mesoscale** (floc)

Task 4: Emulation

Perform **Gaussian process (GP)** in form of kriging metamodels

Task 5: Outputs

Emulator provides prediction at **mesoscale** level