Start

MPI task distribution

Process 1
- Thread manager
- Thread 1 (CPU)
- Thread 2 (CPU)
- Thread T (GPU)
- distribute templates
- combine correlation/index maps

Process 2
- Thread manager
- Thread 1 (CPU)
- Thread 2 (CPU)
- Thread T (GPU)
- distribute templates
- combine correlation/index maps

Process P
- Thread manager
- Thread 1 (CPU)
- Thread 2 (CPU)
- Thread T (GPU)
- distribute templates
- combine correlation/index maps

MPI reduction + OpenMP

End