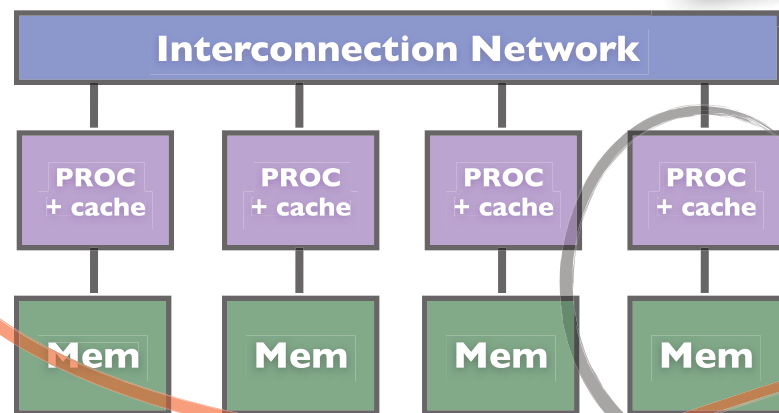


virtual shared memory: nws, Rdsm 

## Distributed Memory

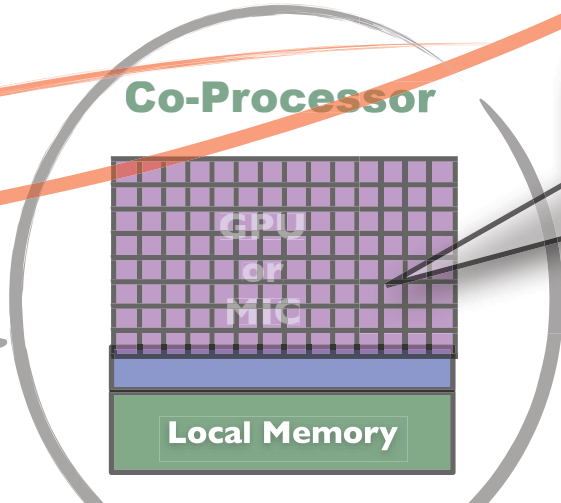


**Data Parallelism:**  
Focus on who owns what data and what communication is needed

MPI,  
Sockets

Rmpi,  
pbdMPI, Sockets 

**Simple Task Parallelism:**  
Same Task on Block of data



GPU: Graphical Processing Unit  
MIC: Many Integrated Core


CUDA,  
OpenCL

OpenCL 

OpenMP

**Task Parallelism:**  
Focus on who does what task

OpenMP,  
Threads,  
fork

multicore,  
fork 

snow + multicore = parallel 

## Shared Memory

