

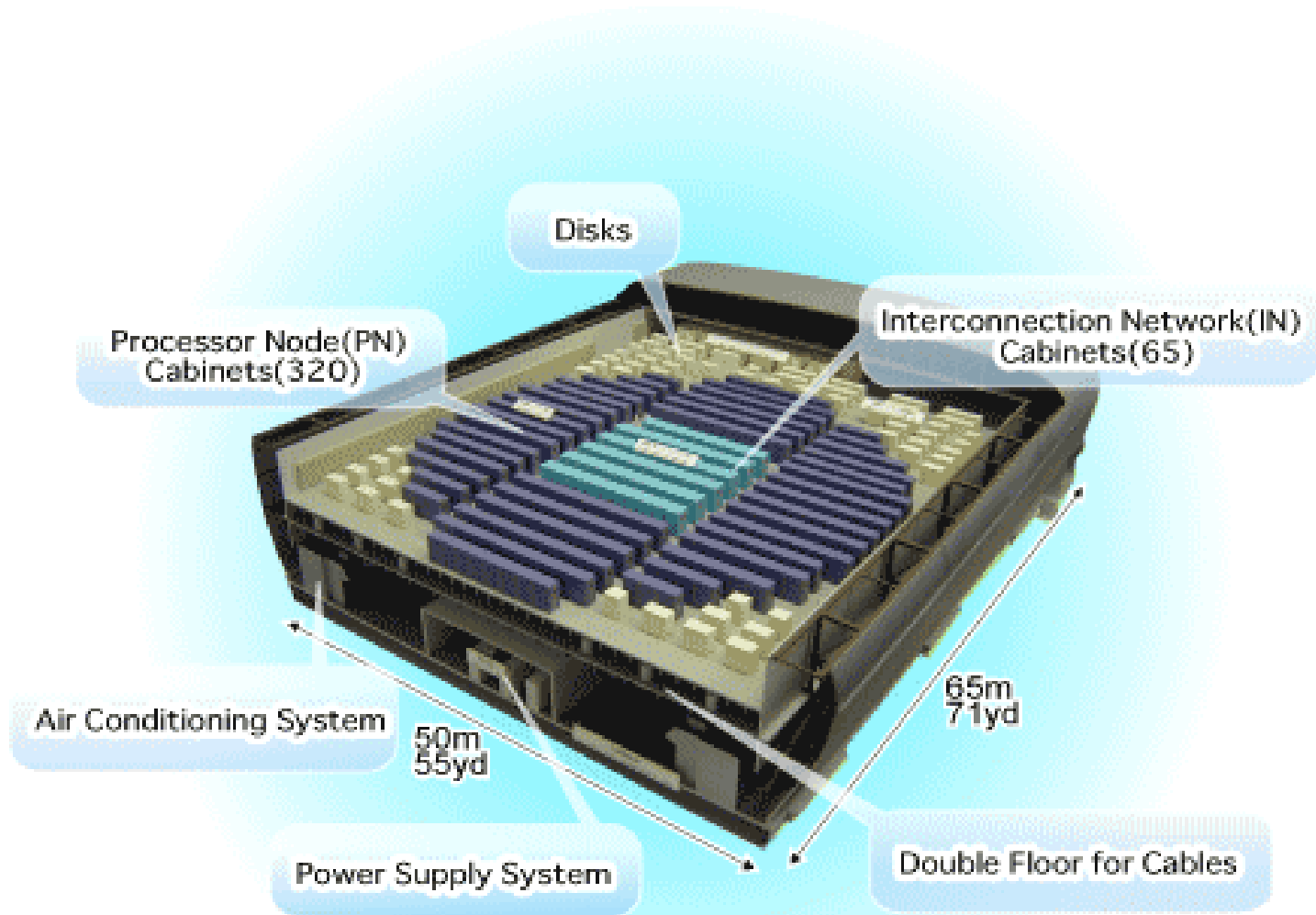
Introduction

- Reading
 - Papers
- Questions about project #1

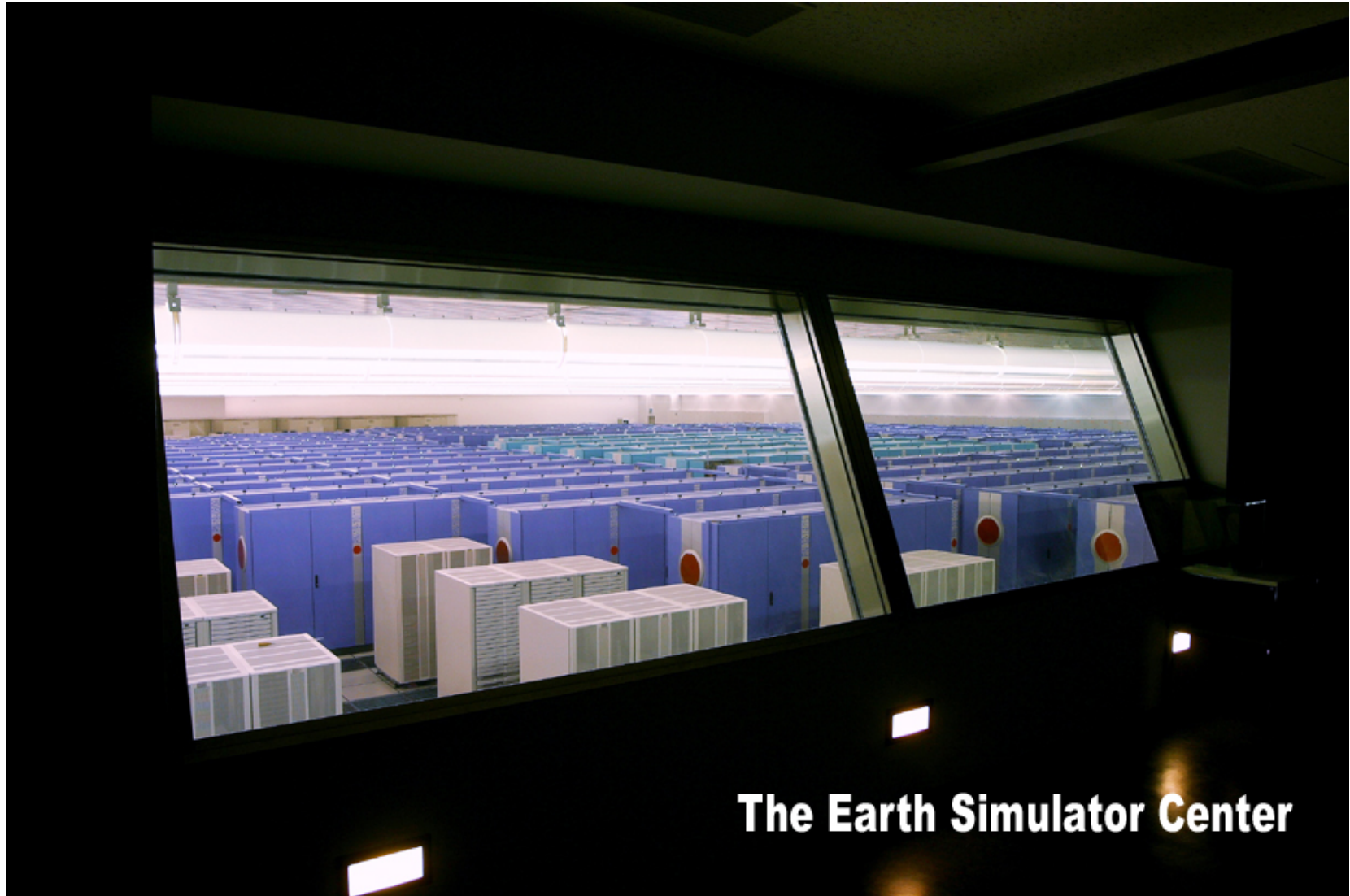
Programming Assignment Notes

- Assume that memory is limited
 - don't replicate the board on all nodes
- Need to provide load balancing
 - goal is to speedup computation
 - must trade off
 - communication costs of load balancing
 - computation costs of making choices
 - benefit of having similar amounts of work for each processor
- Consider “back of the envelop” calculations
 - how fast can mpi move data?
 - what is the update time for local cells?
 - how big does the board need to be to see speedups?

Earth Simulator – The Building

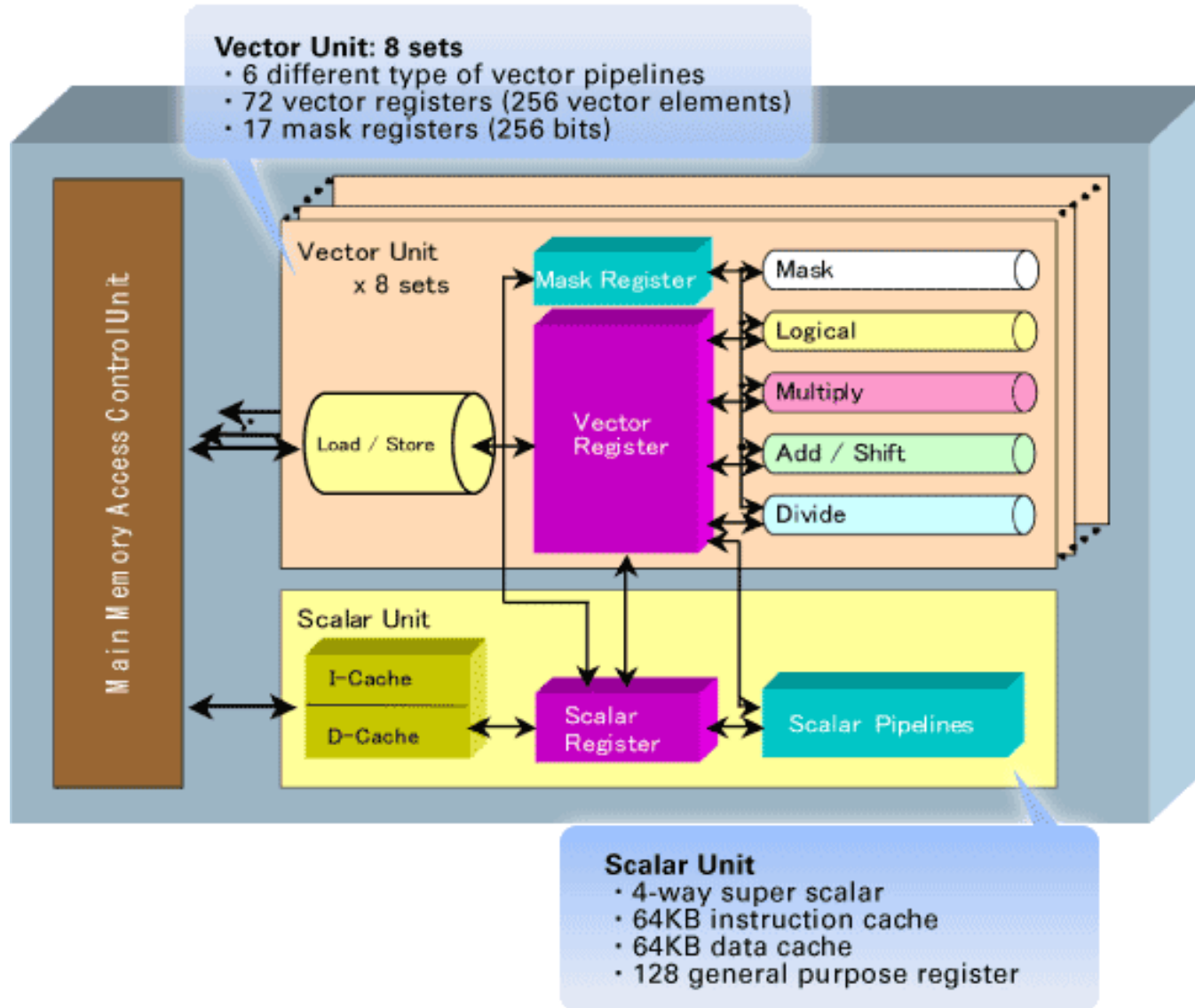


Earth Simulator



The Earth Simulator Center

Earth Simulator - Processor



Earth Simulator

Interconnection Network

