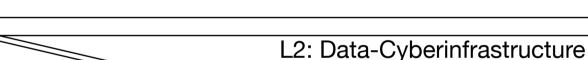
## L0: Application and User Tools

Application Specific Data Structures

## L1: Runtime Environments

Resource Management Abstractions: Pilot Abstractions (Pilot Job/Pilot Data)



L2: Infrastructure Abstractions

e.g. File-Systems, SQL/no-SQL

Templated Appliances and Virtual Clusters

L4: Execution Environment e.g. XSEDE, OSG, Clouds