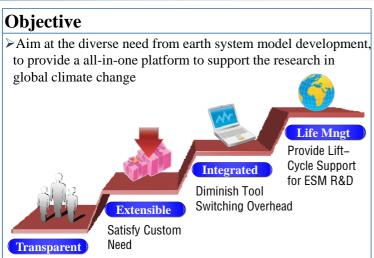
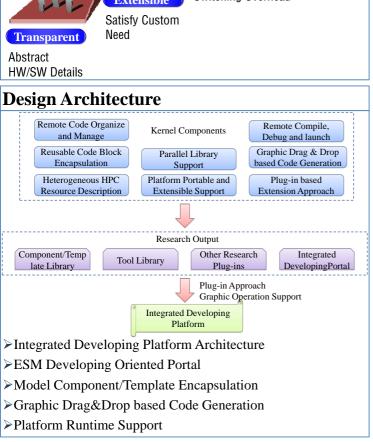


National High Technology Research and Development Program (863 Program) key projects

Nova Team Sino-German Joint Software Institute(JSI) Beihang University

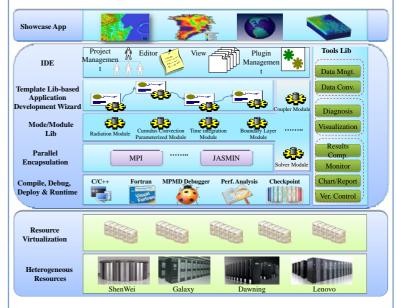
Earth System Model Integrated Developing Platform





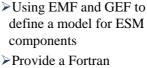
Reusable Model Code Encapsulation Component Encapsulation Radiation Component Component Time Integral Component High Performance Reusable olver Component **Boundary Region Component Library**

ESM HPC Software System Overview

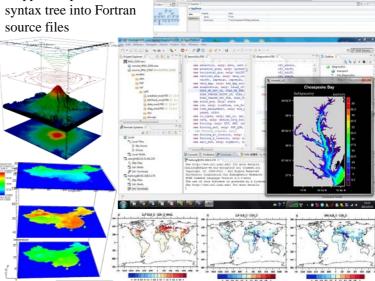


- Massive Heterogeneous Data Extraction and Management
- ➤ Massive Data Visualization and Diagnosis
- MPMD Program Debug and Analysis
- ► Integrated Developing Platform

Model Code Auto-Generation



- syntax tree node generation API
- ➤ Support to persist syntax tree into Fortran source files





Coupler Component

Component



Extensible

Ecosystem





