



Enthought Tool Suite

Eric Jones SciPy '06 August 17, 2006



Enthought Tool Suite

TRAITS

Initialization, Validation, Observation, and Visualization of Python class attributes

KIVA

2D primitives supporting path based rendering, affine transforms, alpha blending and more.

ENABLE

Object based 2D drawing canvas

CHACO

Plotting toolkit for building complex, interactive 2D plots

MAYAVI

3D Visualization of Scientific Data based on VTK

ENVISAGE

Application plugin framework for building scriptable and extensible applications

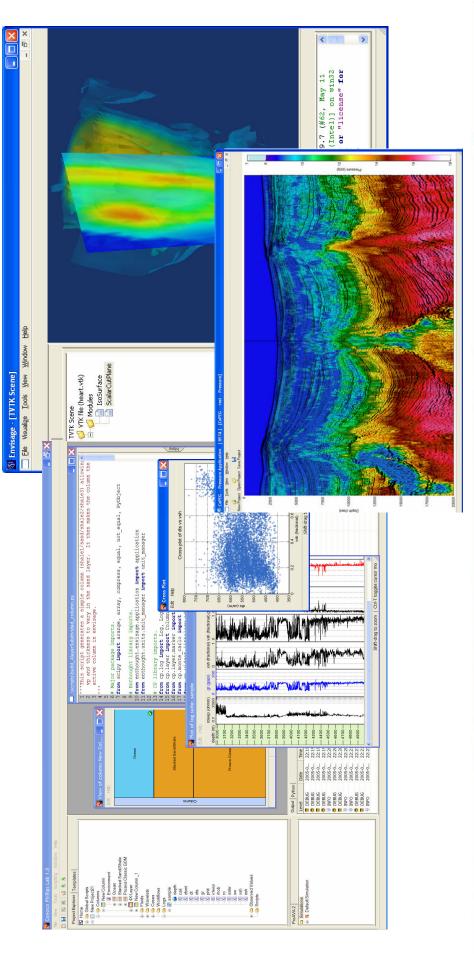


Envisage Applications

- 2D and 3D Visualization
- Workflow Construction

Scriptable

Extensible

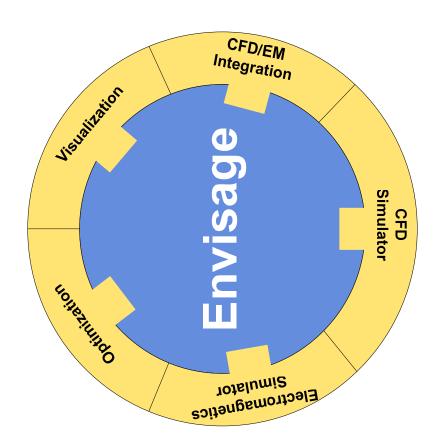




C ENTHOUGHT

Envisage: An Integrated Science Environment

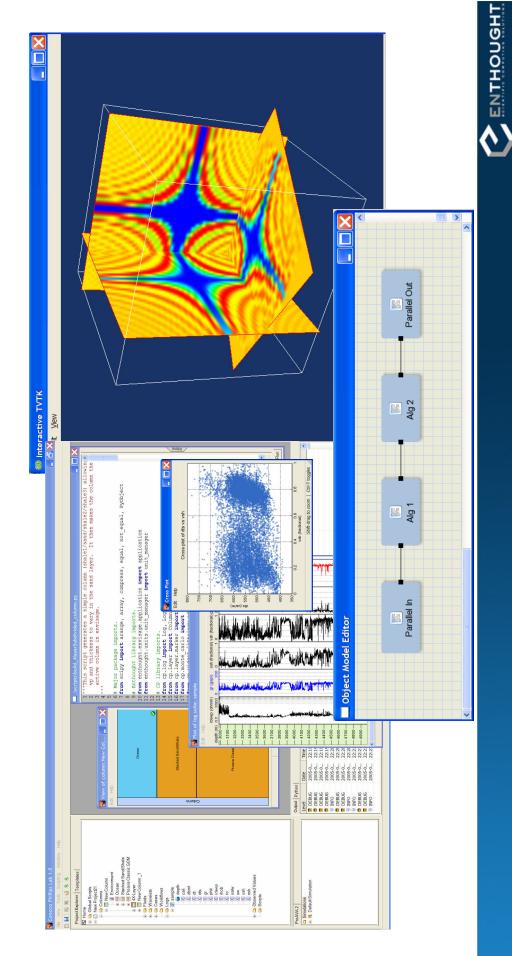
Multiple Plug-ins. One Application.



Envisage Application

- 2D and 3D Visualization
- Workflow Construction

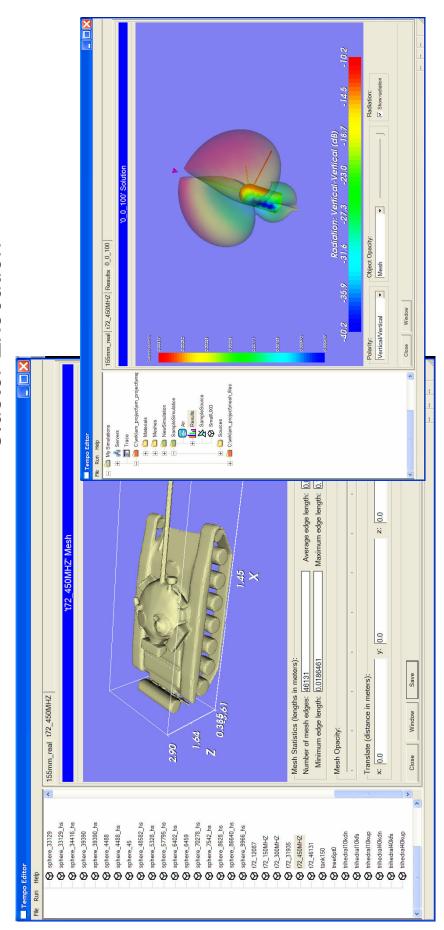
- Scriptable
- Extensible



Army Research Labs (ARL)

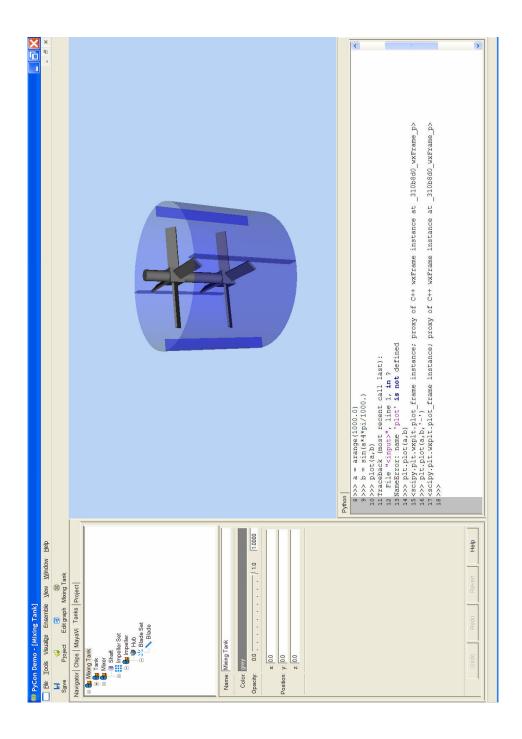
- Electromagnetics Simulation
- Python/C/Fortan90

- Fine grained Parallelism (MPI based)
- **Desktop Application**
- Cluster Execution

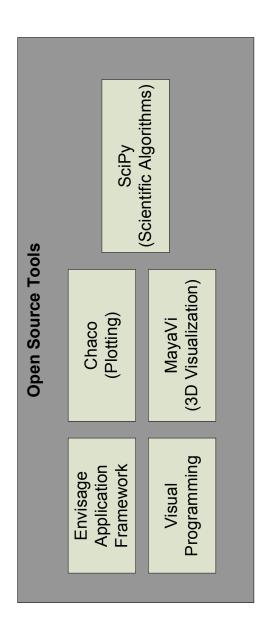




Fluid Dynamics



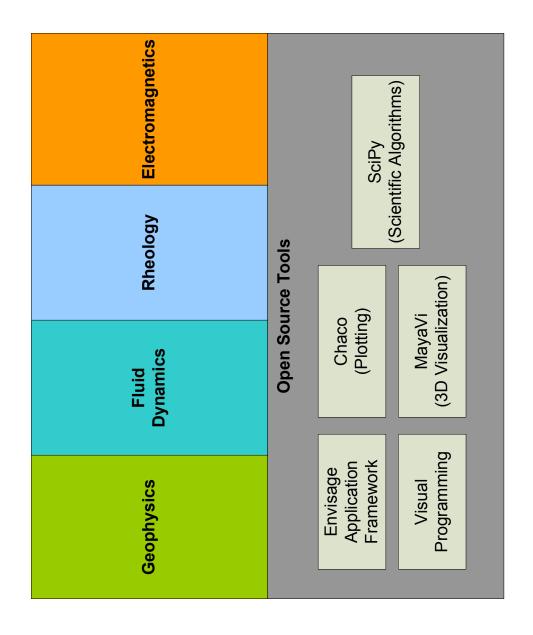
Open Source Tools





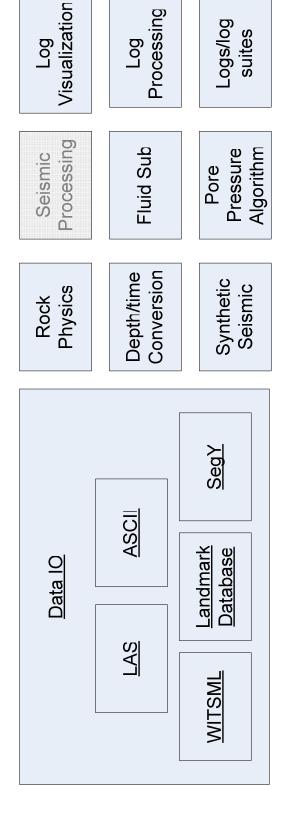


Commercial Application Areas



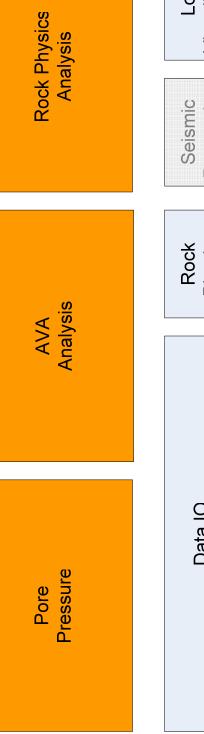


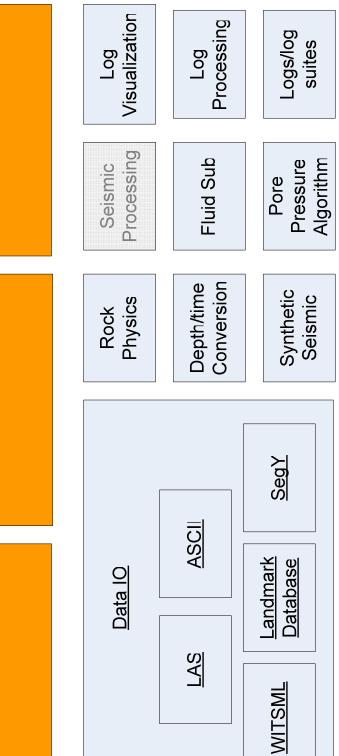
Geophysics Modules



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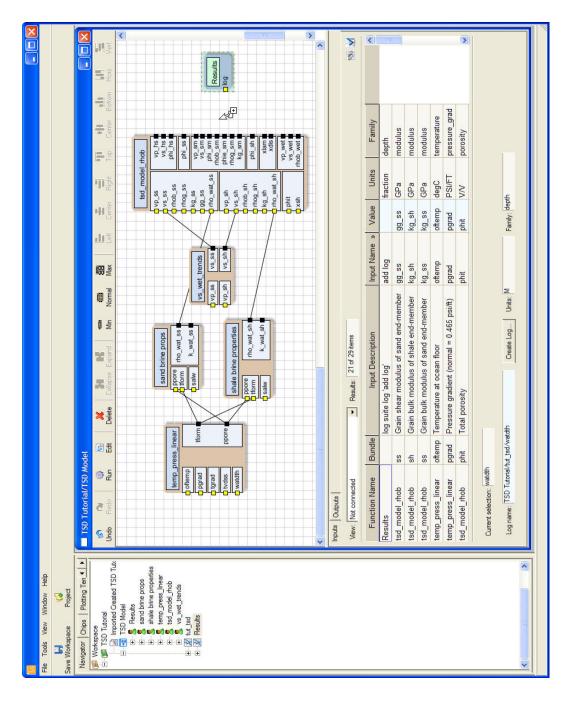
Geophysics Applications





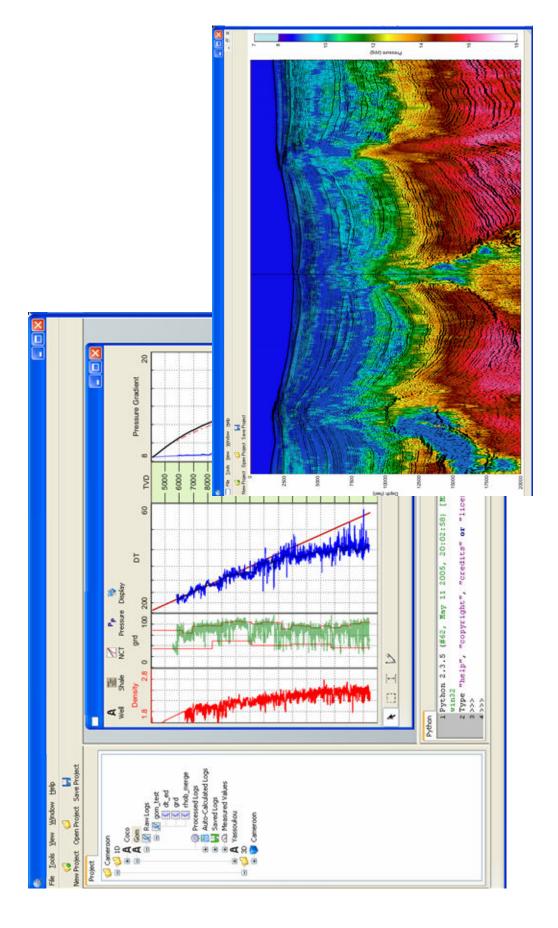


-og Processing Through Workflows



SENTHOUGHT

Pore Pressure



V ENTHOUGHT

