The GCM (Grid Component Model) has been designed within Core-GRID and it is currently being developed within GridCOMP. GCM is aimed at providing suitable tools for the efficient development of component based GRID applications.

- Hierarchical components
- Advanced programming models
- Fractal based
- Collective communications and interaction patterns
- Autonomic management of parallel components

**Behavioural skeletons**

provide the programmer with composite components modelling common parallelism exploitation patterns and porting autonomic managers ensuring user supplied performance contracts.

An eclipse-based **Graphic IDE** supports application development.

**GCM applications**

can be seamlessly deployed on a variety of different grid. Several real world applications have been developed by industrial partners (IBM, Atos, Grid Systems) within the **GridCOMP** project.

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