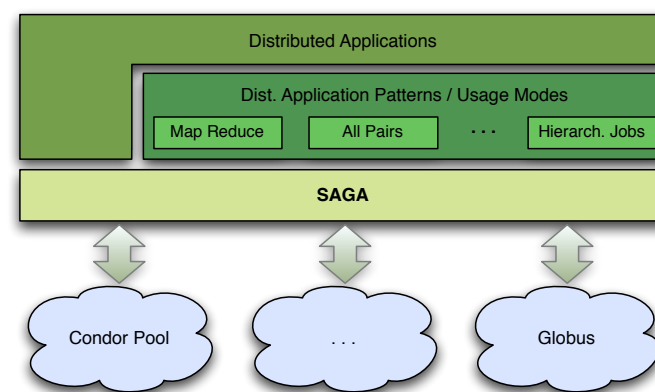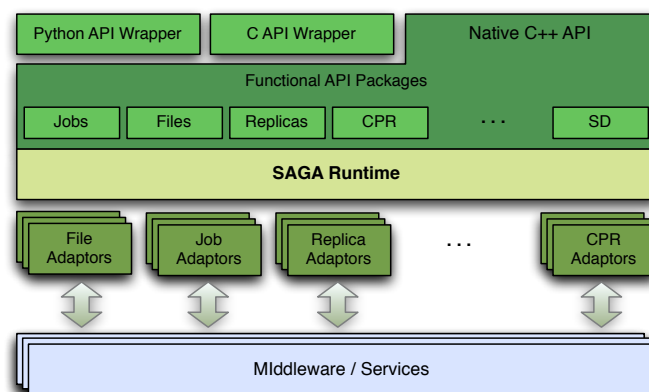# SAGA

A Simple and Powerful Abstraction Layer

SAGA - the *Simple API for Grid Applications* is a proposed recommendation of the Open Grid
Forum (OGF) and defines a high-level programmatic interface for developers of Distributed Applications.
The fundamental idea of SAGA is to lower the barrier for applications and application scientists to utilize
distributed infrastructure by providing a simple and uniform interface to the most often required functionality
in order to construct general purpose, extensible, dynamic and scalable applications.

Implementation

The SAGA team at CCT strives to implement a fully OGF compliant SAGA C++ reference implementation including the
runtime system, middleware adaptors and API language bindings for Python and C [l. fig.]. Currently, the implementation
comprises the functional packages and middleware adaptors for:

o Job Submission & Management (Globus GRAM. OMII GridSAM, Condor, Fork)
o Filesystem Access (Local Filesystems, Globus GridFTP)
o Replica Management (SQL-based, Globus RLS)
o Advert Services (SQL-based)
o Checkpoint & Recovery Services (Migol)
o Stream Handling & Remote Procedure Calls

Enabling Distributed Application

SAGA can support a wide range of applications types [r. fig]. SHANTENU - Any ideas for this paragraph. 1 or 2 sentences maybe
mentioning
SAGA projects like REMDManager, Kalman, etc... ? Or something completely different? .... bla bla... for more information, please see:
http://saga.cct.lsu.edu