Compile and run in grid environment

- **Powerful tools**
  - D2E
  - ETICS 2

- **MPI:**
  - MPI-Start

- **UNICORE:**
  - Script GB (compilation & execution)
  - Workflow: generic GB + custom executable
  - Execution environment for MPI (hard in case of compilation).
New solution features

- Simple, dynamically built user interface embedded in the URC.
- Ability to use a source code from local or remote machine.
- „Compile and run” in a single job which may be part of a workflow.
- Convenient execution and compilation of MPI applications. Support for various MPI implementations (by means of MPI-Start).
- Support for applications which use autotools.
Architecture

Client side

UNICORE RICH CLIENT

CaR Gridbean

Server side

UNICORE middleware

UNICORE/X

IDB

Main script entry
Compilers entries
INFO section

Target System Interface

Local RMS

Worker nodes

Installed applications:
- main script
- compilers: gcc, g++, etc.
- MPI-Start
DEMO