

Grid Chile Project Description

REUNA (Chilean NREN) – www.reuna.cl
TAGPMA member

REUNA plus the Universities belonging to this Consortium have been working for the past 2 years to **establish a national grid initiative**. So far the group has been involved mainly in dissemination of activities and training focused on HPC and on participating in a few international Grid projects. The group is composed mainly of Mathematics, Computer Science and Engineering background people from Chilean Universities. The interested user community includes Climate, Biomedicine and Astronomy fields.

Highlights:

- REUNA was the 1st ISP in Chile since 1992 to 1997 at 1997 returns to its original focus (Research network only).
- REUNA was the first NREN to be connected to Internet2 at 2000 and the to RedCLARA (www.redclara.net) in 2004
- the Chilean group has been involved in many research and development projects at national and international levels (EELA, EVALSO, RinGrid)
- REUNA is a Consortium, formed by 16 Universities plus AURA, CONICYT and FCV (research in Bioinformatics)
- the group operated the Certification Authority (CA) in Chile, and this CA has been credited by TAGPMA in 2006
- The group currently operates under the NOC of RedCLARA as well as their own REUNA's network

Proposed work:

We have expressed our support towards Chile's proposal submitted to the Government Grant Agency (CONICYT – Fondef Department) to apply for funds for building the first formal grid pilot in Chile (36 months project). The plan is for this project to include 4 nodes distributed along the country, located at 4 main institutions:

- 3 Universities – UFRO (Andres Avila), UCHILE (Claudio Baeza)
- REUNA

Main goals are:

- Build the grid
- Choose one scientific area and run an application related with this area so to demonstrate the impact of grid computing
 - Do training and dissemination activities
 - OSG EOT is involved with offering specialized training to Chilean group via a set of workshops and related activities during 2009-2010

Previous Grid activities:

http://wiki-clgrid.reuna.cl/wiki/index.php/Main_Page

<http://clgrid.reuna.cl/>

<http://clgrid5.cmm.uchile.cl/>

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