a) setup of test cluster for global redirector with Fabrizio

- status: up and working, but:
  - currently only sequential file copy is possible
  - several bugs were detected and submitted
- procedure: bugs were submitted to Andy. As soon as they are fixed Fabrizio provides new tarball which will be installed at GSI.

already now the cluster can be used to copy files from Castor to GSI:
procedure (not official way, though).

alien:
</sim/2007/LHC07c/pp_minbias/6000/006/ >whereis root_archive.zip
Feb 20 11:30:29 info   The file LHC07c/pp_minbias/6000/006/root_archive.zip is in
            SE => ALICE::CERN::CASTOR2 pfn =>
root://lxgate38.cern.ch:1094//castor/cern.ch/alice/2005_castor2/07/54219
/dd33f5fc-2d28-11dc-afa9-000e0c3e6d91.1183881444

xrd:
xrdcp -f   root://lxts07.gsi.de:1094//alien/05/27473/e7e519e4-2c93-11dc-878d-kschwa
rz@lxg0503:/tmp$ xrdcp
root://lxts07.gsi.de:1094//alien/07/54219/dd33f5fc-2d28-11dc-afa9-000e0c
3e6d91.1183881444 /tmp/root_archive.zip
XrdClientConn::GoToAnotherServer: log id: 0, streamid: 1
Disabling apmon monitoring since env variable APMON_CONFIG was not found
[xrootd] Total 61.16 MB |====================| 100.00 % [9.4 Mb/s]

now the file can be accessed on local disk or at lxts07 cluster as if they were local at GSI.

kschwarz@lxg0503:/tmp$ unzip root_archive.zip
Archive: root_archive.zip
 extracting: galice.root
 extracting: geometry.root
 extracting: Kinematics.root
 extracting: TrackRefs.root
 extracting: AliESDs.root
 extracting: AliESDfriends.root

b) File transfer via AliEn
Currently transfer efficiency: 39%. 92 successful transfers today. A further problem occured. The queue was stuck when too many files were requested which were not staged yet. Fixed yesterday night by Andreas Joachim Peters. So far no transfer completed from our list of transfers.

c) lxfs47 back
the machine which was burned has been put back to our xrd cluster

d) xrd works now with gStore, seemingly reliable. The gstore backend is being tested on the lxfs50 cluster

e) Software: all ROOT, AliRoot and AliEn versions + software dependencies will be supported on Debian Sarge (32) and Debian Etch (32 and 64). Currently several updates are in progress and the login scripts are reorganised. Result will be published on Wiki.

f) currently is being investigated how many machines we can safely operate in RZ2. The issues concerning elecricity and cooling are being optimised under the given circumstances.