

# As easy as a web portal: facilitating access to Grid and Cloud Infrastructures

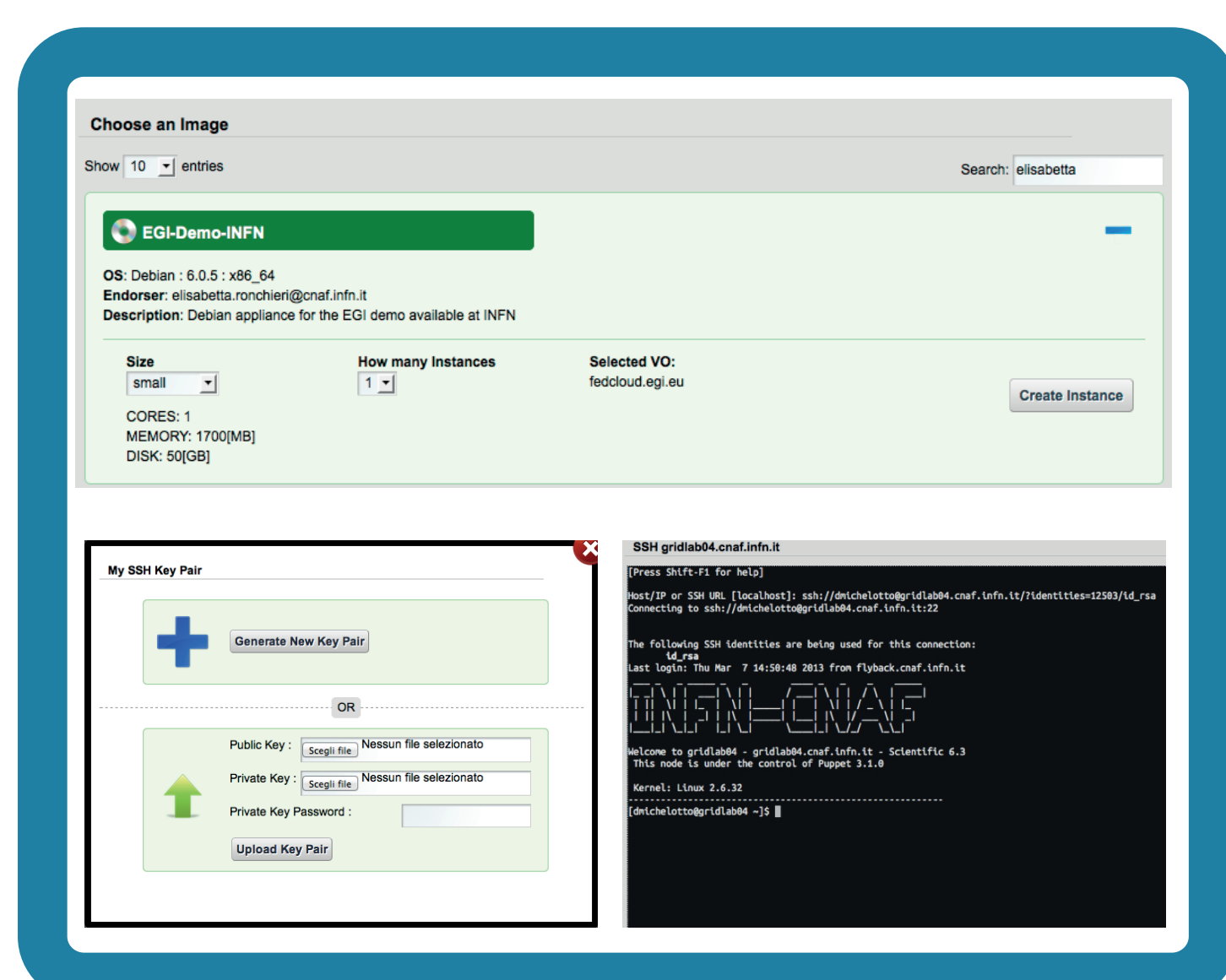


EGI Community Forum 2013 - Manchester



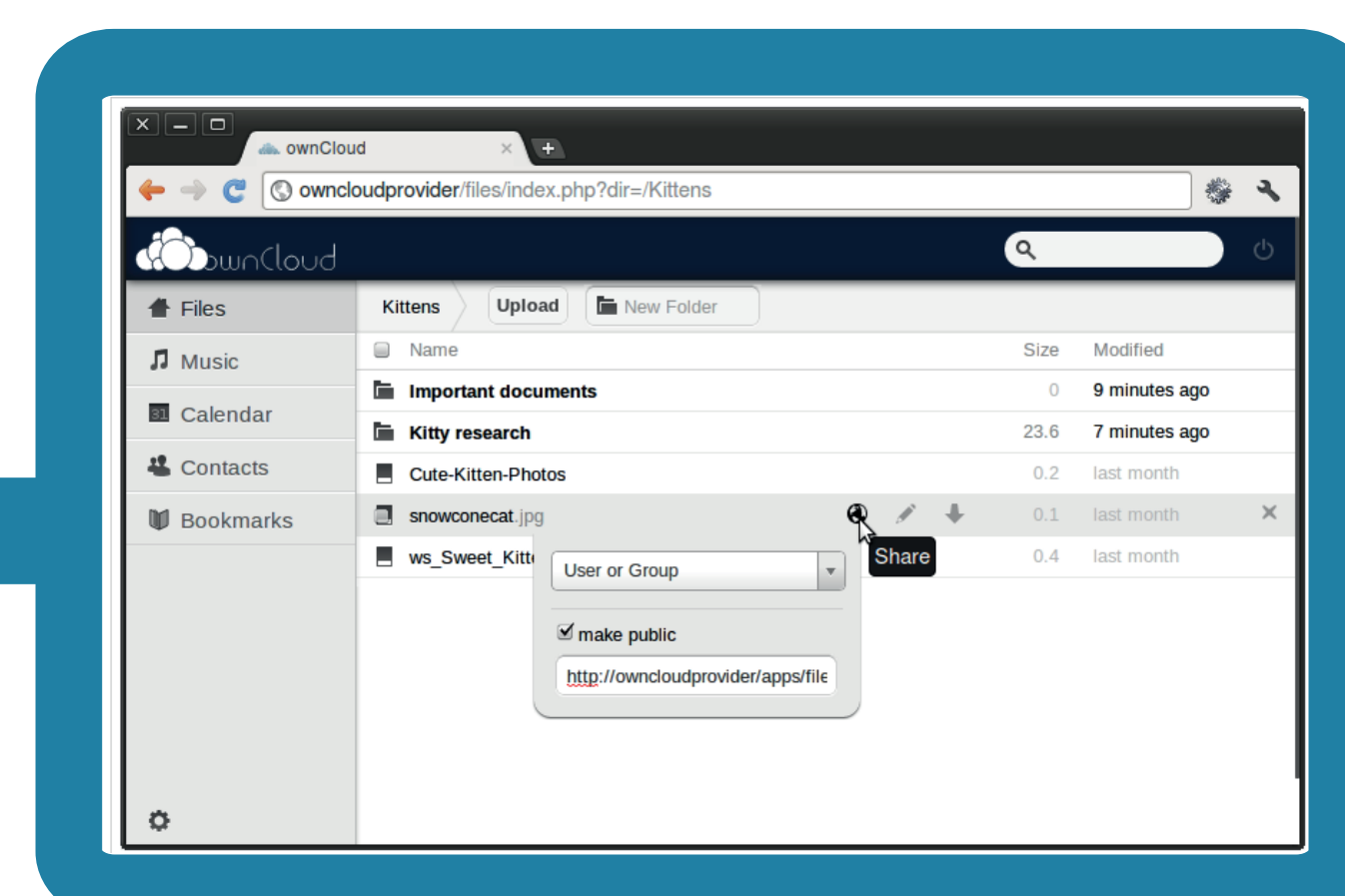
VMs instantiation  
SSH keys mangement  
Image size choosing  
Web terminal

WNoDeS - ok  
OpenNebula - ok  
Openstack - develop



Cloud Computing

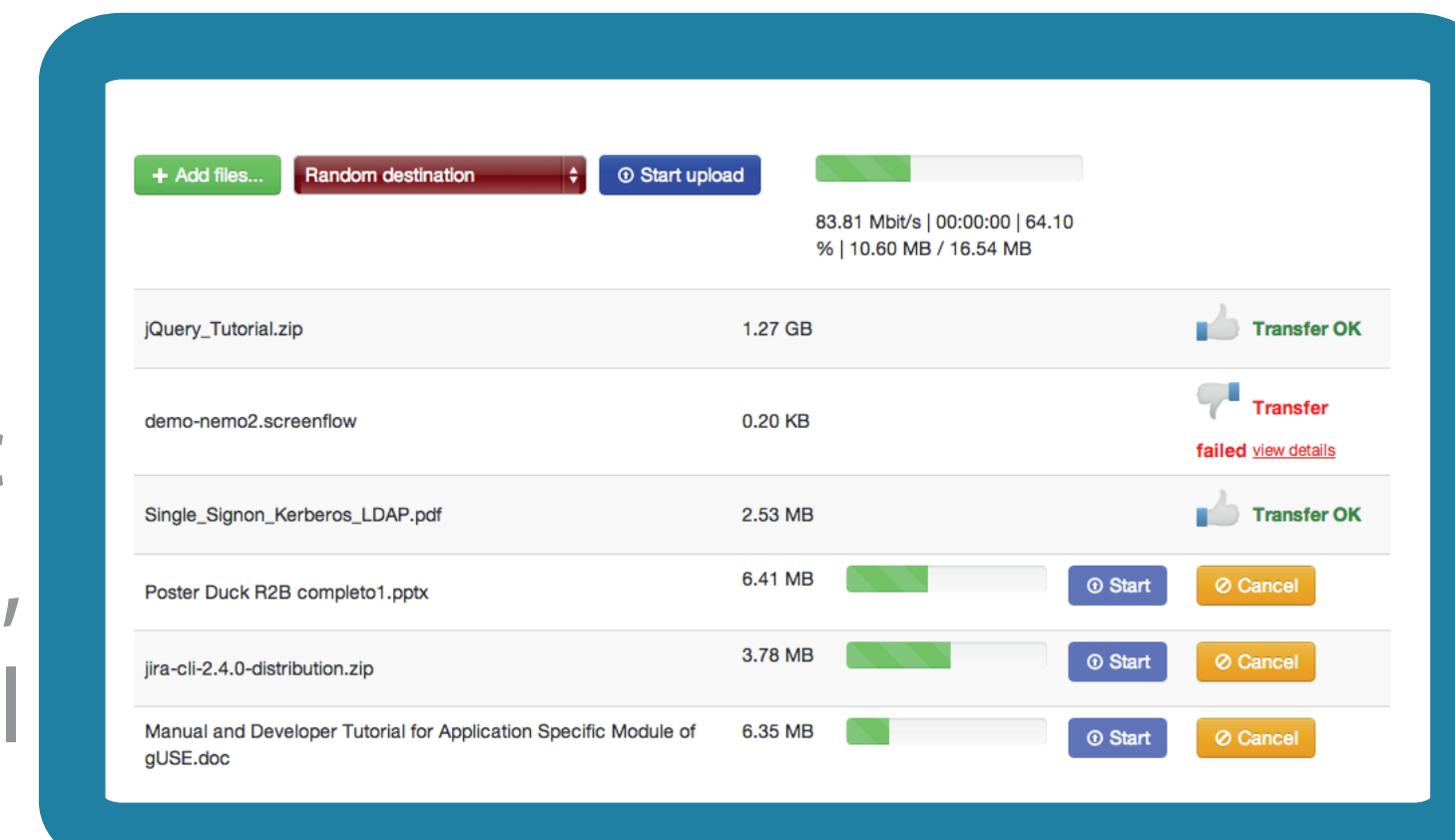
Cloud Storage



Files transfer from/to Grid  
(in test phase using  
GARRbox  
and STORM EMI 3 )

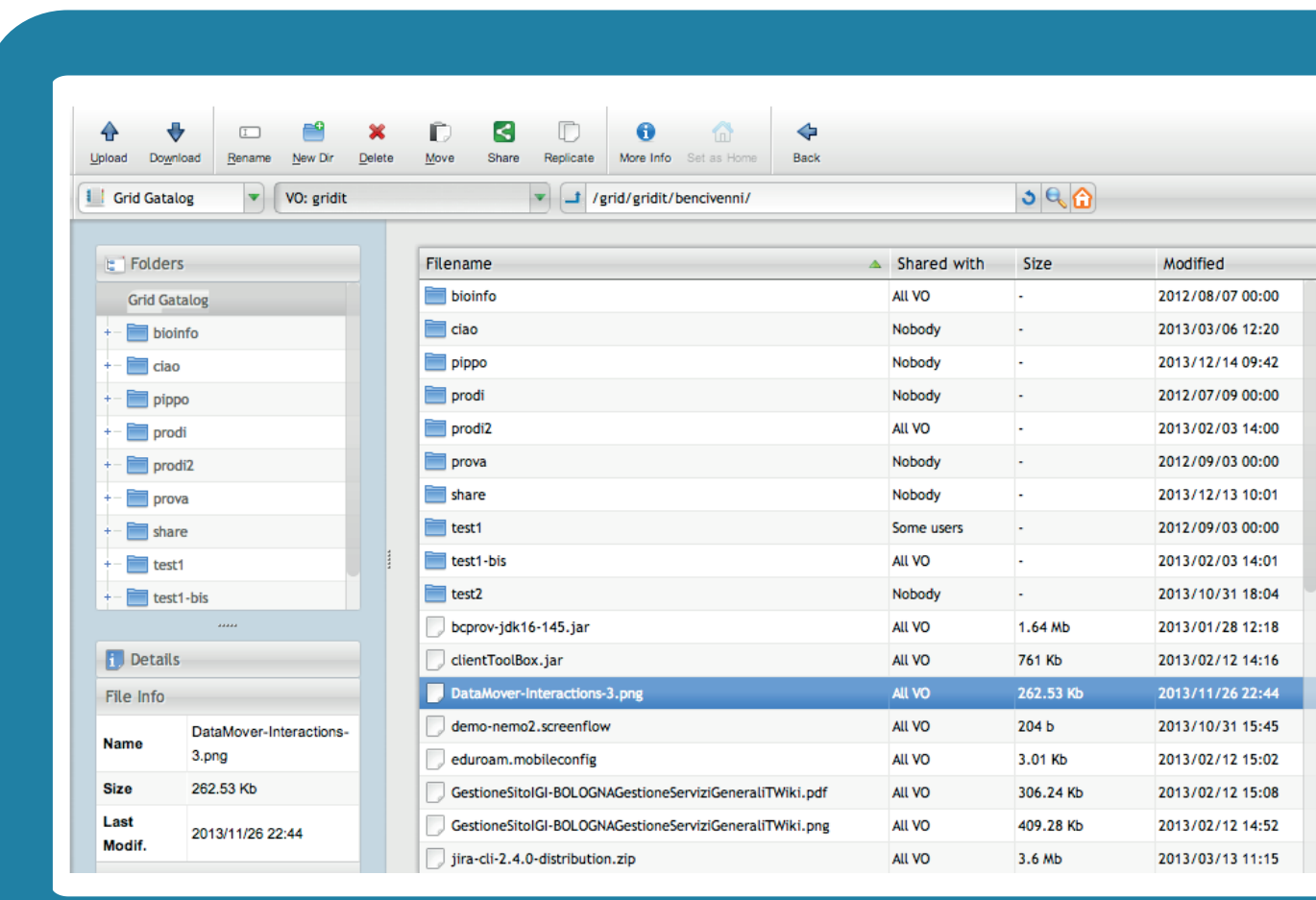
Grid Upload

SE destination choosing, automatic  
retry, resumable upload,  
final status info and error detail



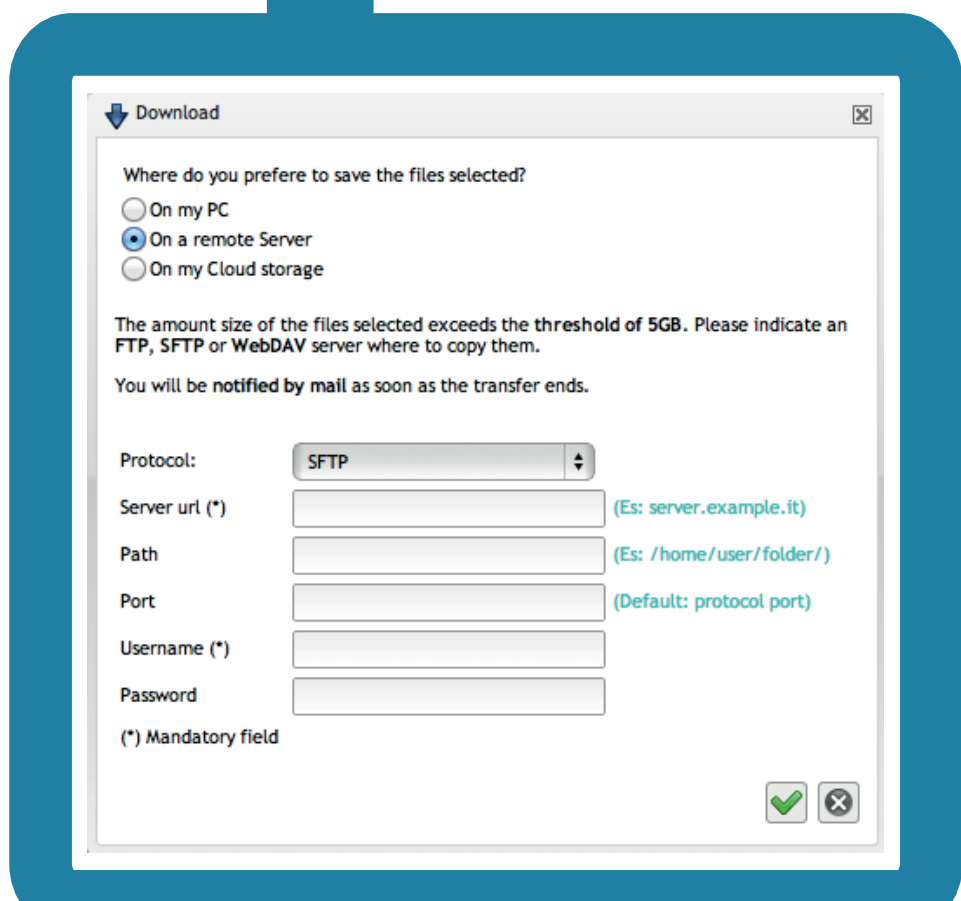
Data Management

Files replica, rename, share, delete,  
create and detail (LFC and SE)



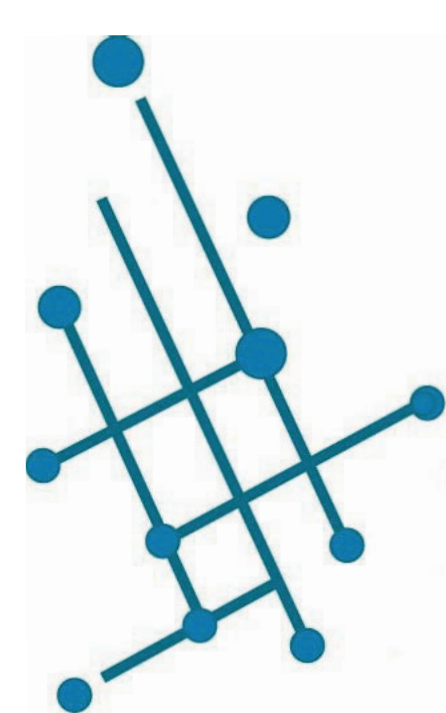
Grid Download

On user's PC or on remote server  
(FTP,SFTP, webDAV), mail notification



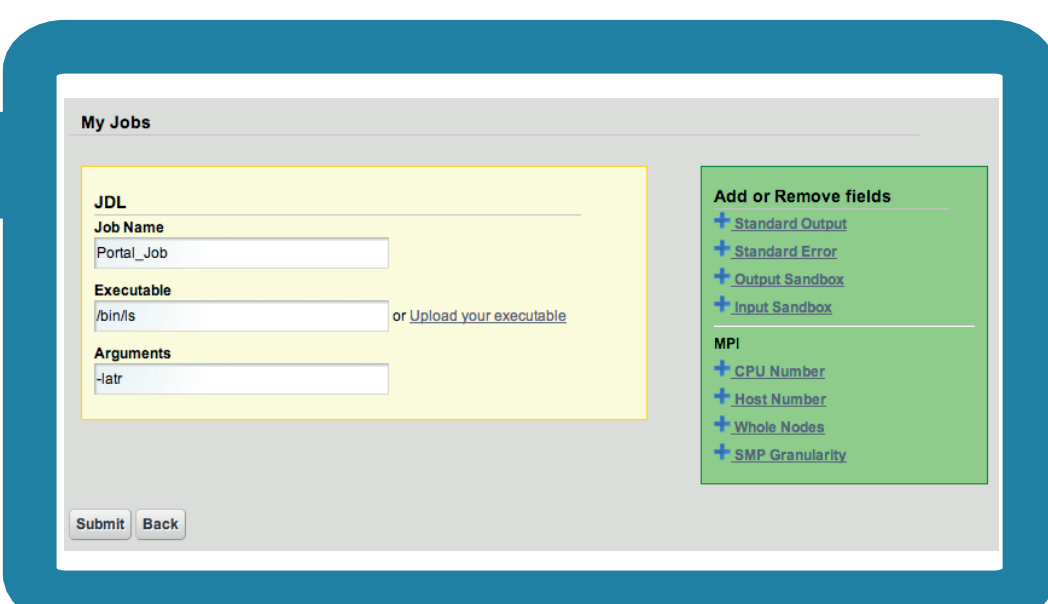
Applications

Interface ad hoc, runtime output and log,  
high customization, licences manager.  
Applications: Blast,Ansys,  
(WS-Pgrade based - ASM)



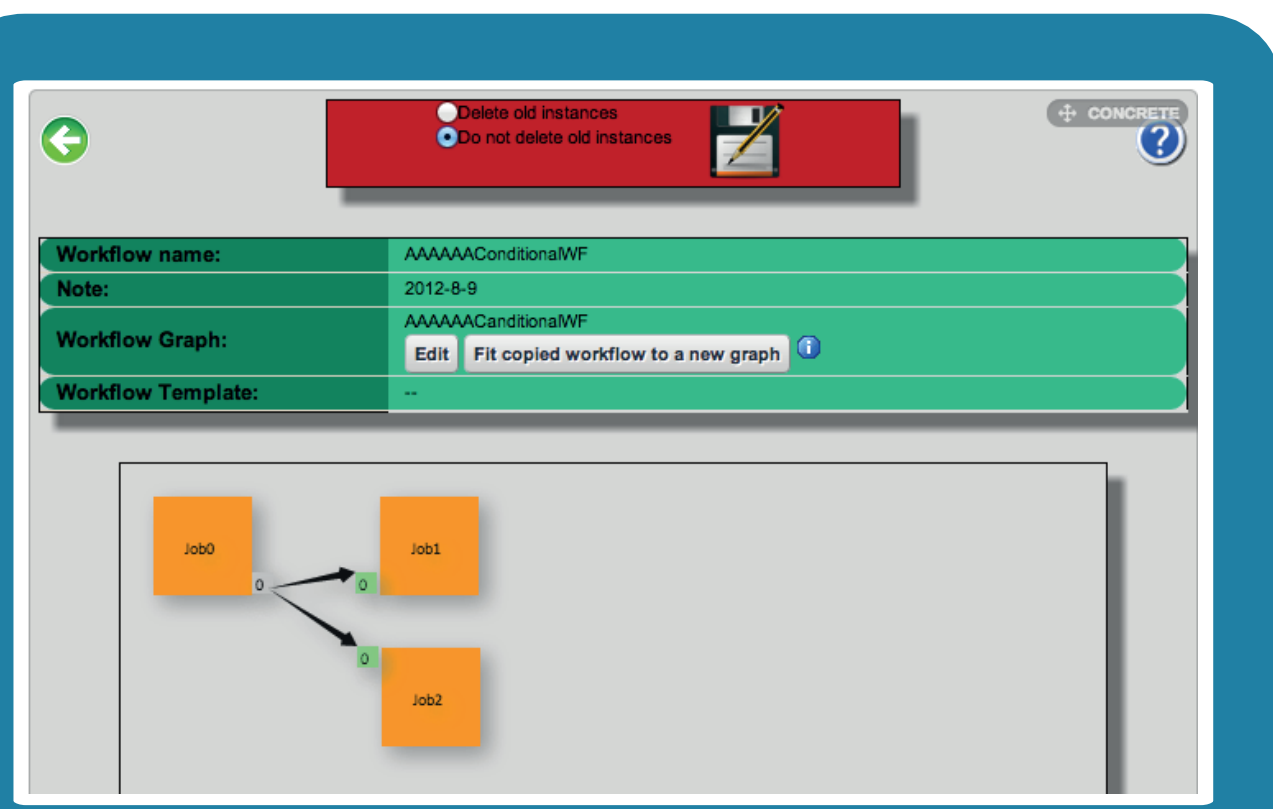
Simple Job

JDL constructor, pilot job,  
executable and input upload,  
output retrieve, job status  
info, mail notification ecc.  
(DIRAC based)

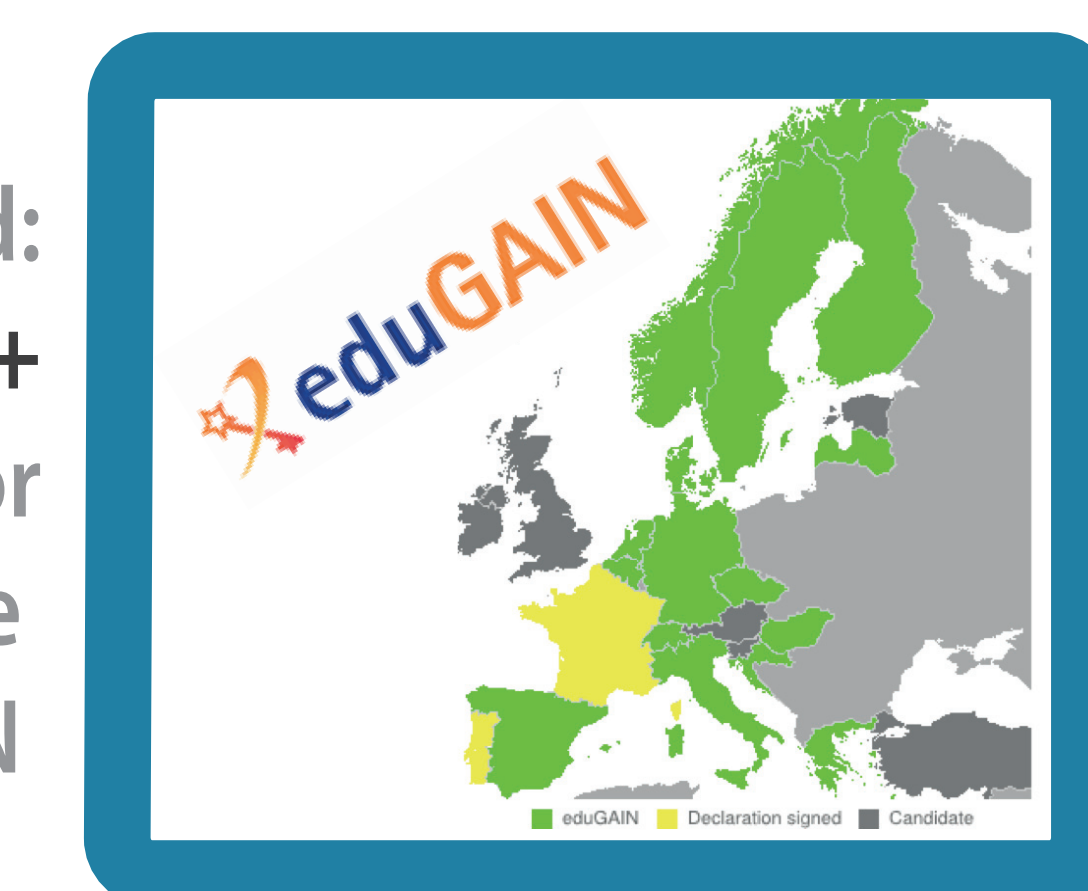


Workflow

Graphical editor, multi middleware,  
JDL constructor, ecc. (WS-Pgrade based)



IDP based:  
eduGAIN federation +  
dedicated IDP for  
user with certificate  
but not in eduGAIN

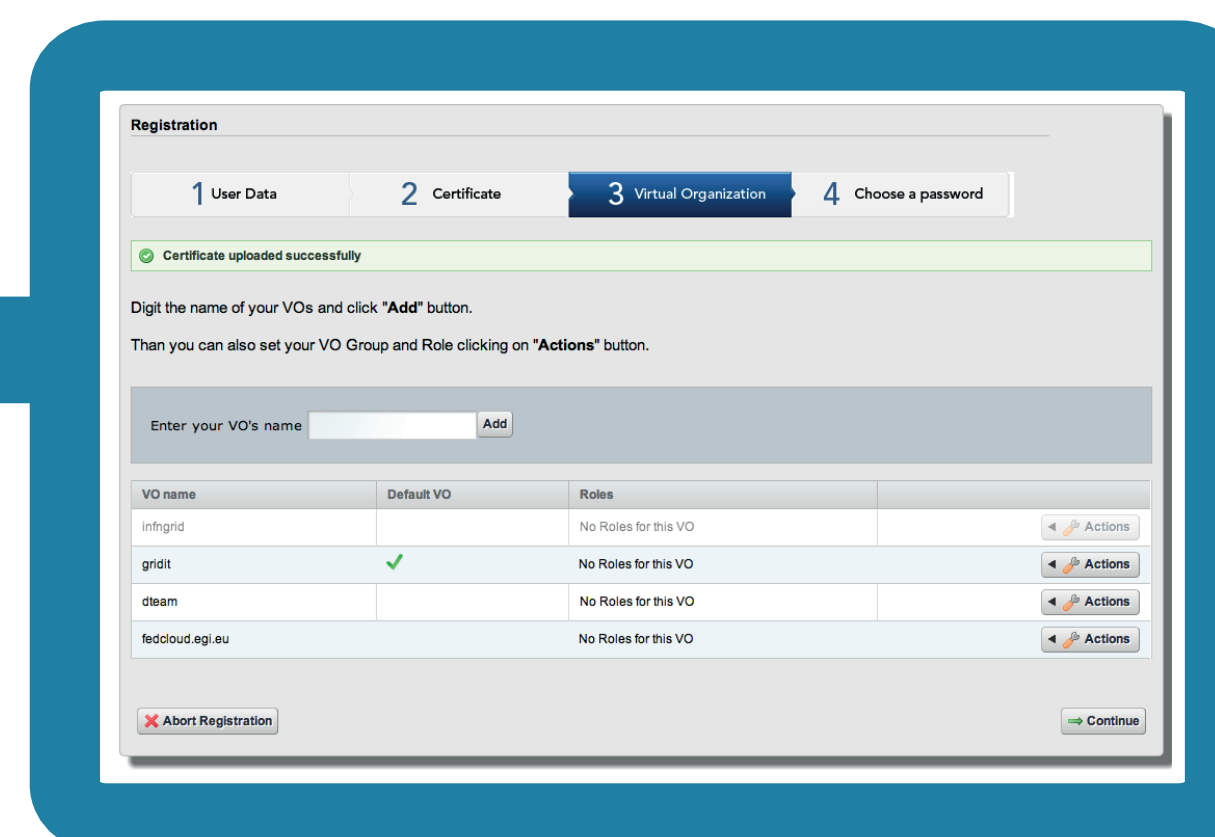


Authentication

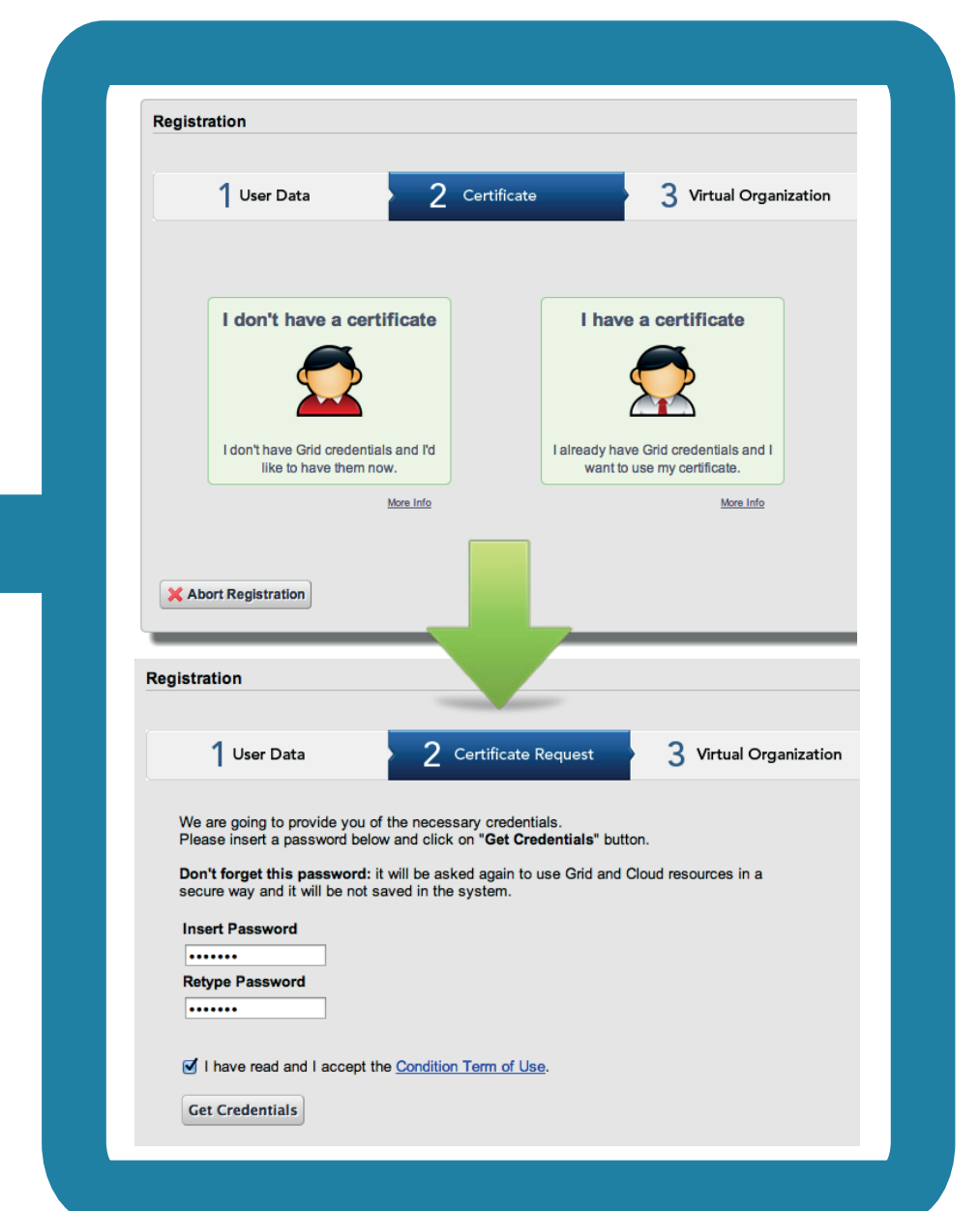


Authorization

4 steps registration to collect user info, user  
proxy, VO membership and set a secure  
password --> user automatically enabled



Interfacing to an online CA  
for a Certificate managemnt  
transparent to the user

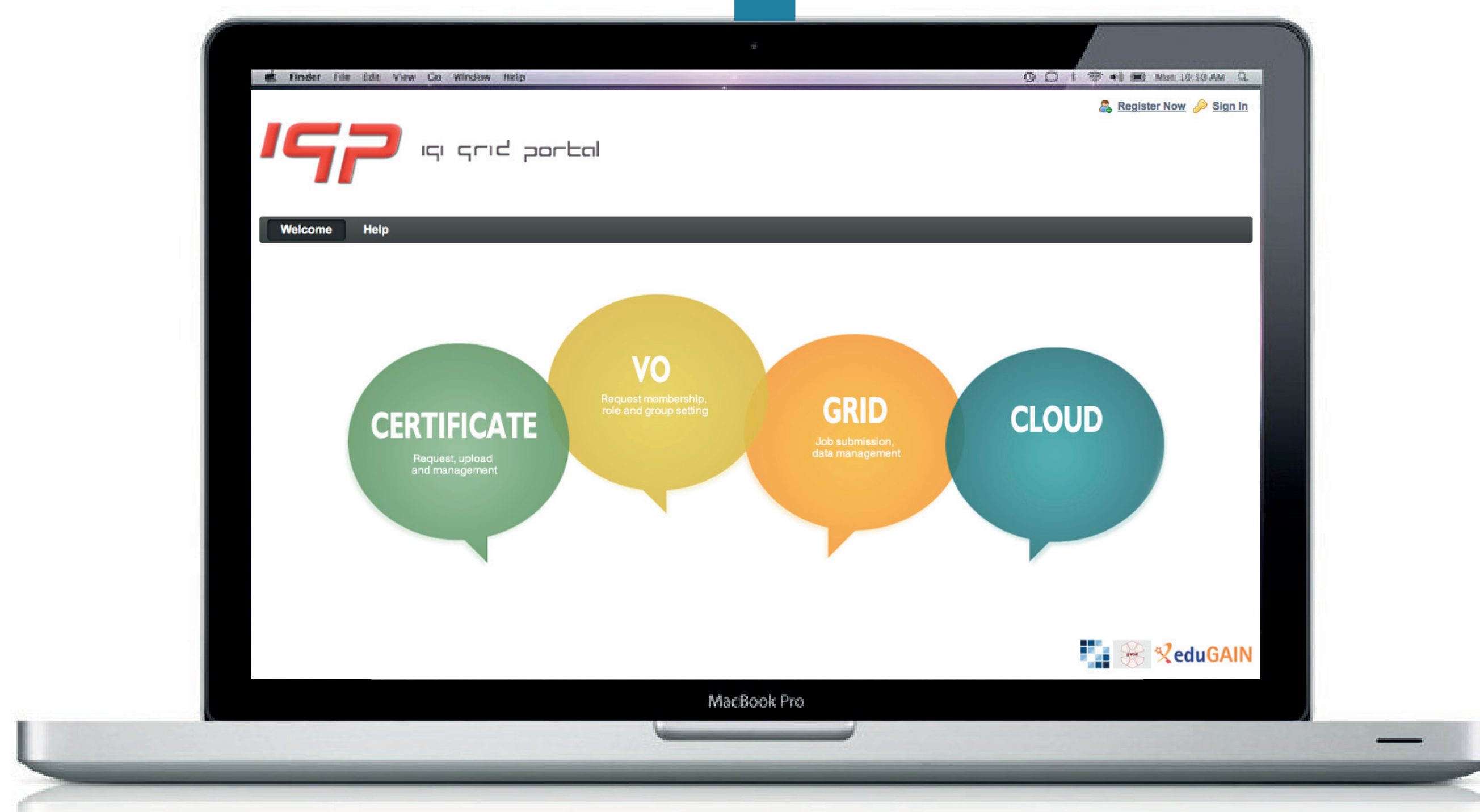


Online CA

In Production

In Development

Proof of concept



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