

IDGF International Desktop Grid Federation

Introduction 2010-09-01

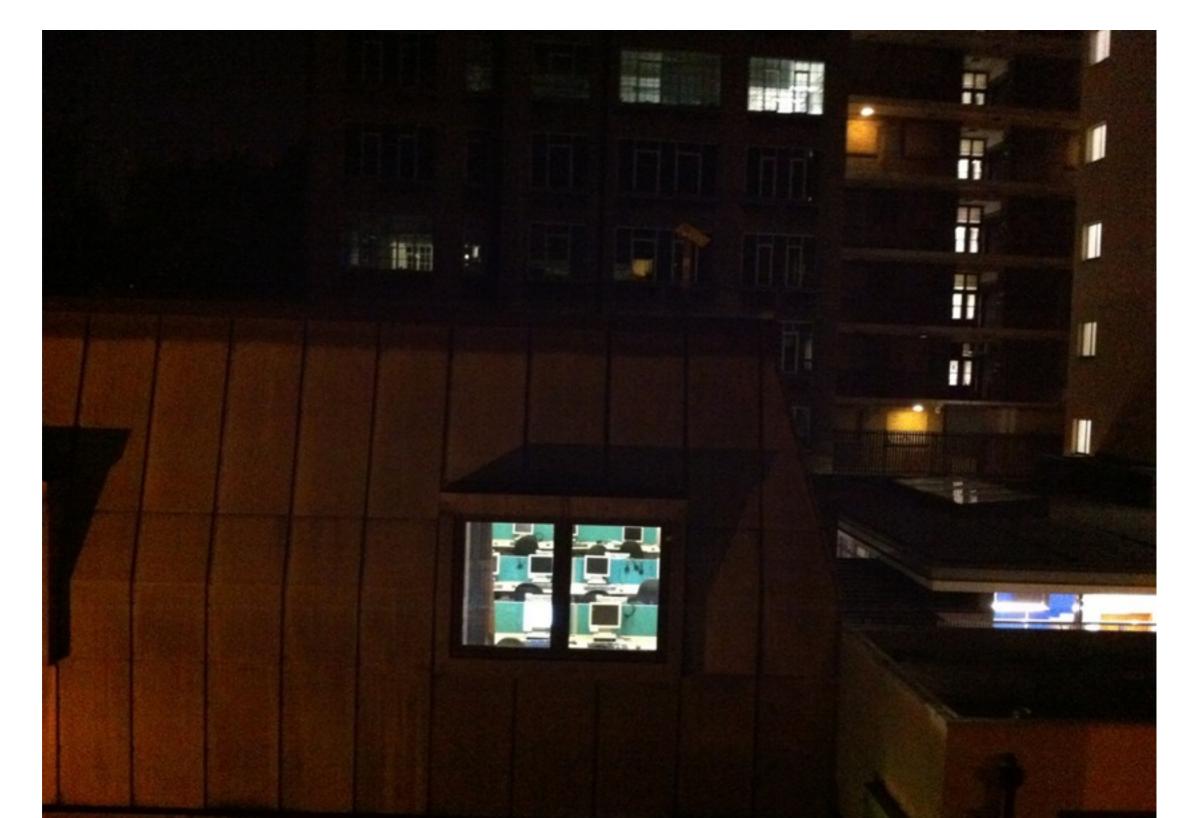
Ad Emmen AlmereGrid

DEGISCO & EDGI projects

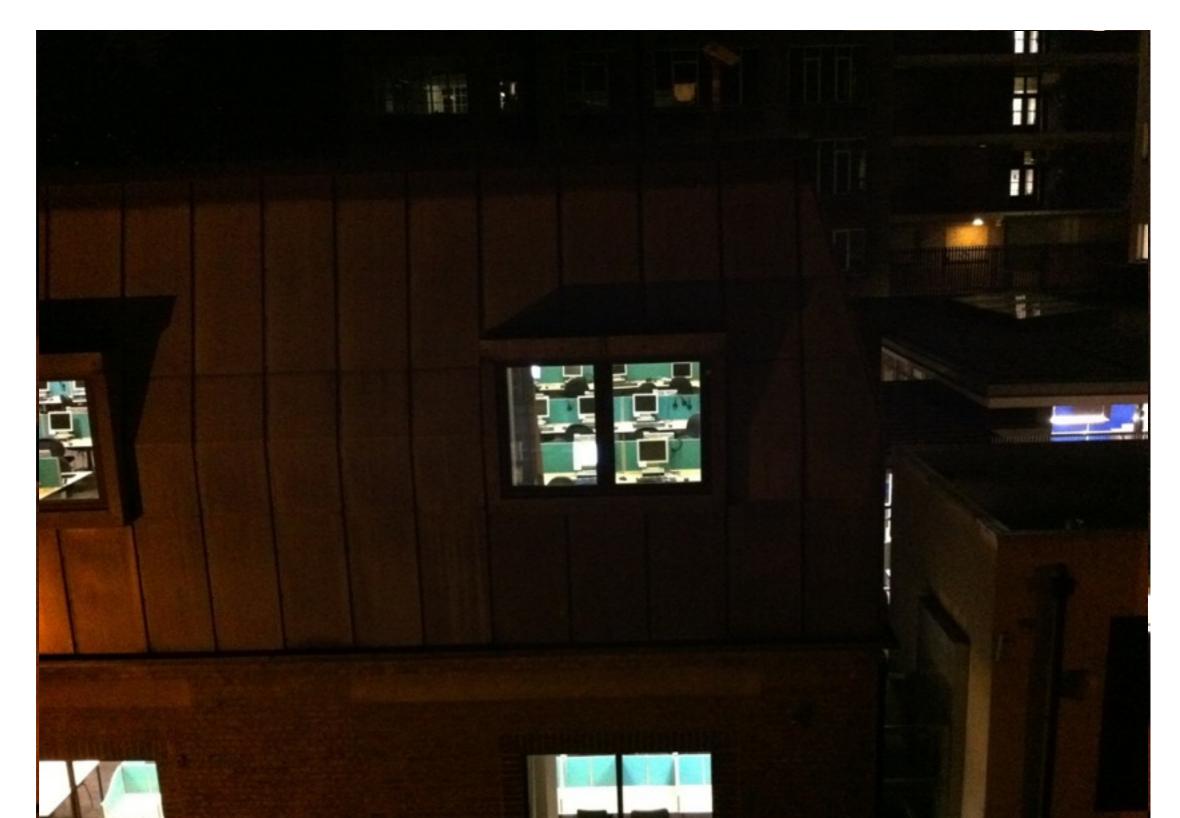


DEGISCO RI-261561 WP4 2010-09-01



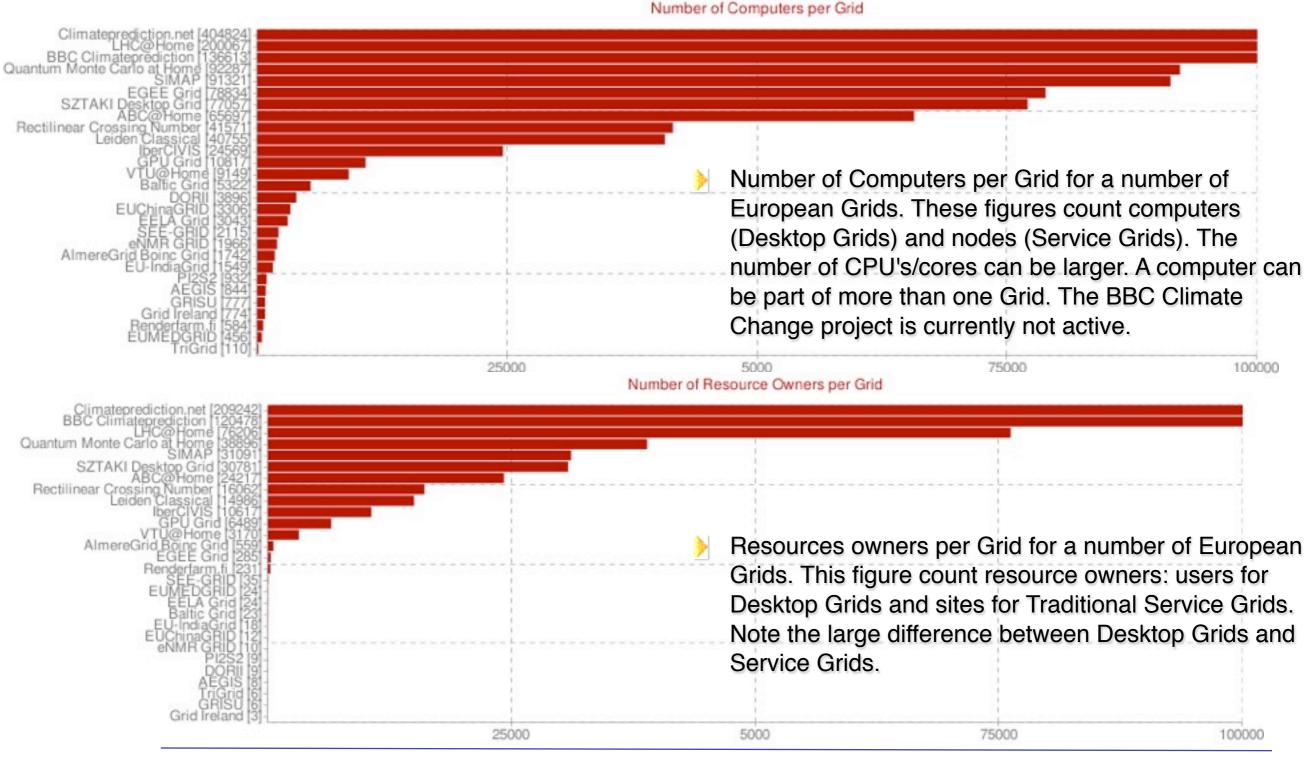








Importance of Desktop Grids for Science: http://knowledgebase.e-irg.eu







Volunteer Desktop Grids take their place in the eScience ecosystem

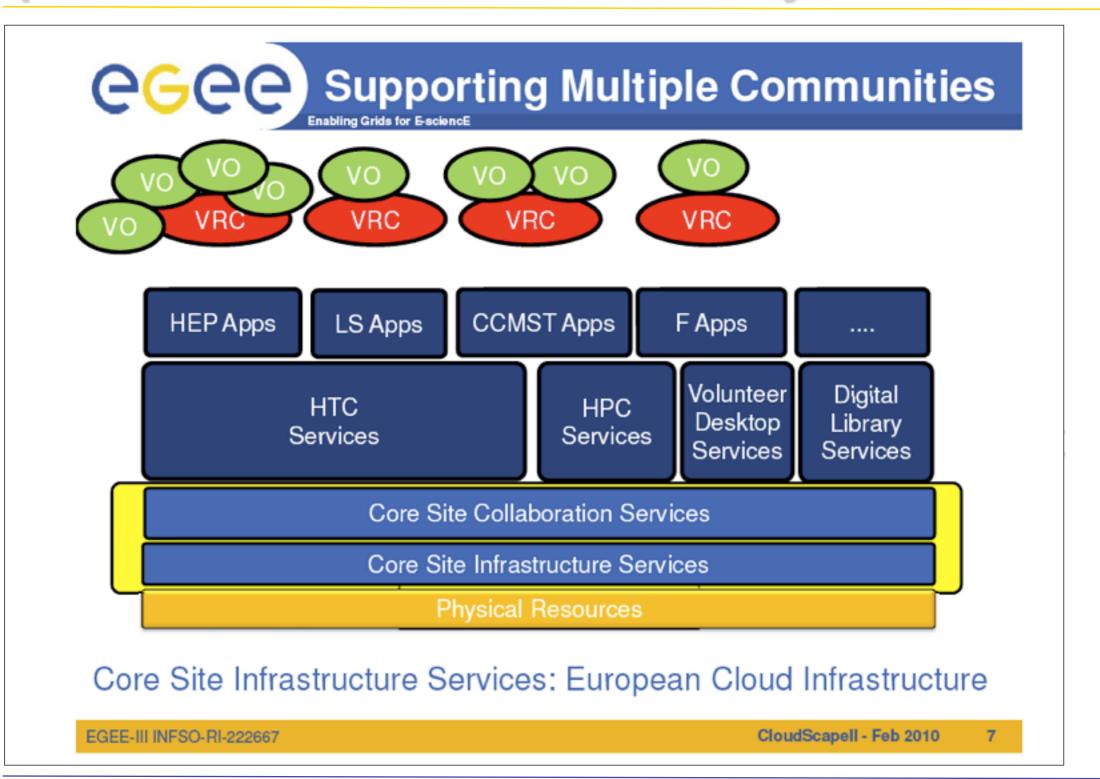
Steven Newhouse

- Director of the European Grid Initiative (EGI)
- February 2010 in Brussels CloudScape II
- European ecosystem for computational support for scientists
- Volunteer Desktop Grids have their place in that ecosystem.





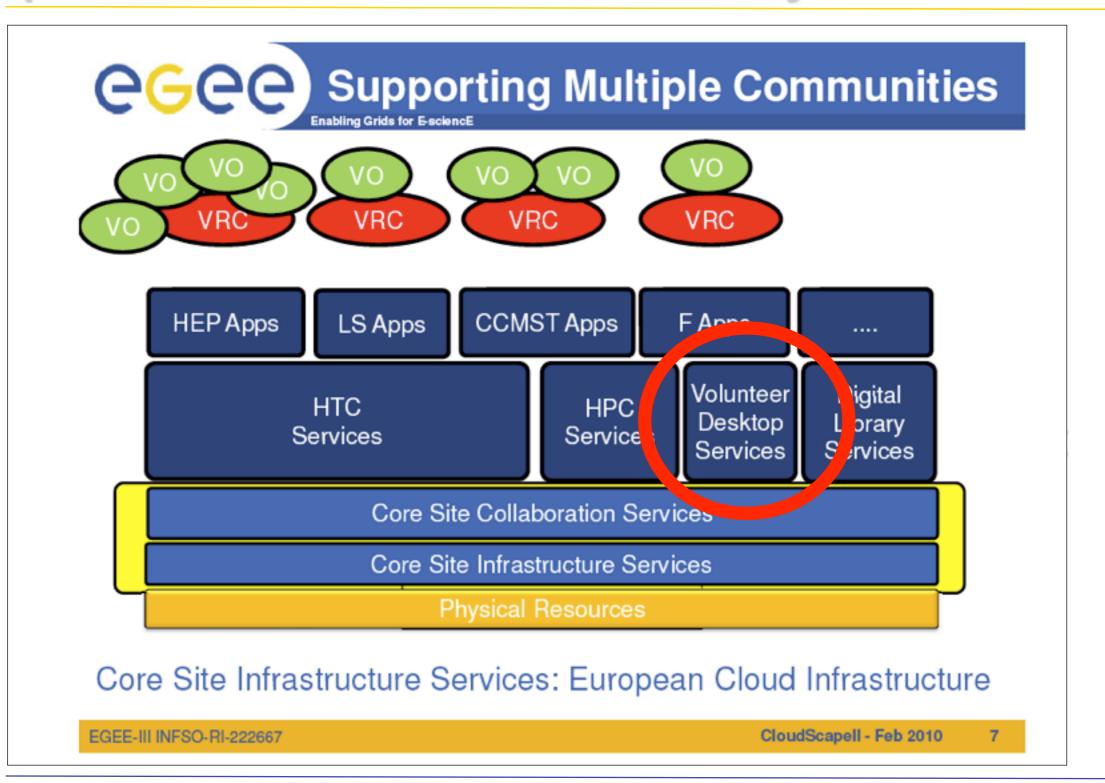
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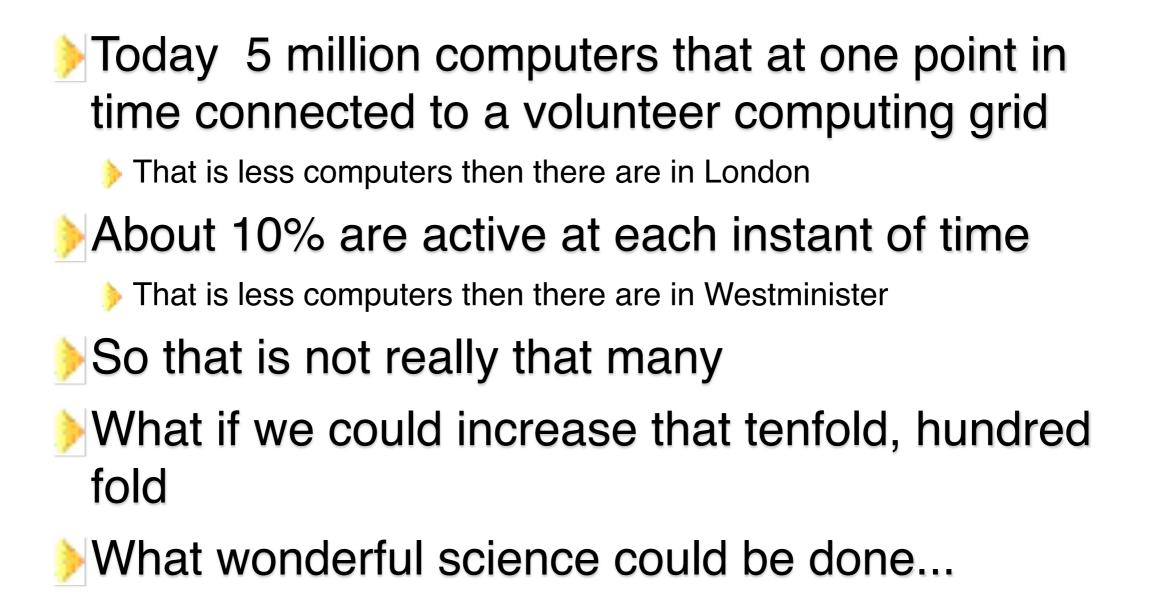
Volunteer Desktop Grids take their place in the eScience ecosystem















But dreaming will not get us there

- Hard work, smart work and co-operation can
- It is the *co-operation* that IDGF wants to foster and facilitate
- Co-operation between Desktop Grids, between Desktop Grids and Service Grids/clouds
- Co-operation between Grids and developers, scientific and funding organisations
- Lot of capacity also from local desktop Grids at Universities, institutes. Not volunteer, but planned





IDGF is not a replacement or competitor for existing cooperations or groups

- Like the pangalactic BOINC workshop
- But it is aimed at extending the community
- Help the community crossing the chasm, and get Volunteer Desktop Grid computing into the main stream







Providing services for its members

IDGF is a member organisation

- You can become member, your organisation can, your company can, so do it
- IDGF provides services to its members. Services aimed at improving cooperation between those involved in Desktop Grids:
 - Member administration, including interest group and chapter management
 - Dissemination services
 - News service
 - Discussion fora
 - Support services
 - Meetings and event organisation





Know other members and their area of expertise

Member administration, including interest group and chapter management

> There are several interest groups that one can join.

Two chapters: European and International

Dissemination services

Tell what you do, know what others do. Share experiences. Joint campaigns

News service

Blog, RSS/Atom, Twitter

News for and from members

Discussion fora





Create material for citizens that works

If it does: translate and reuse in other countries

In IDGF already: French, Dutch, Hungarian, Russian, Chinese, Danish, Portugese, Spanish, and even English speakers



that work:

material for schools

> media campaigns

Even do joint campaigns





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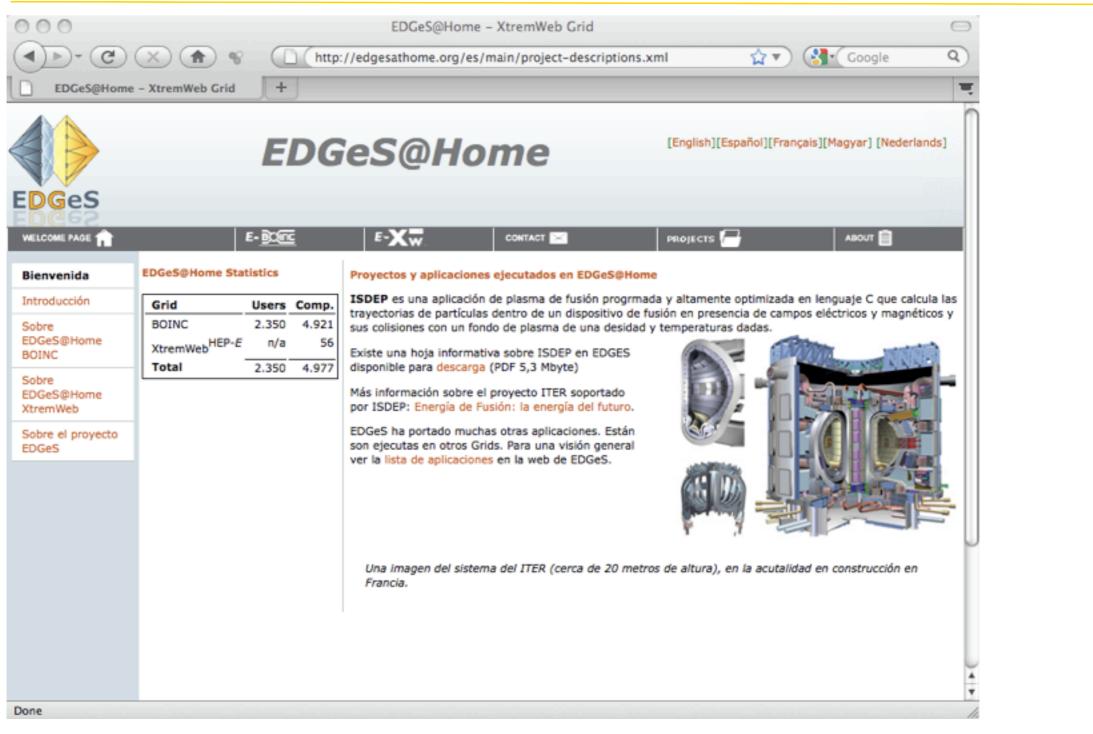
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http://www.omroepflevoland.nl/nieuws/recent? NewsKey=5479D73C07E37DA0C12575A5004E84D5

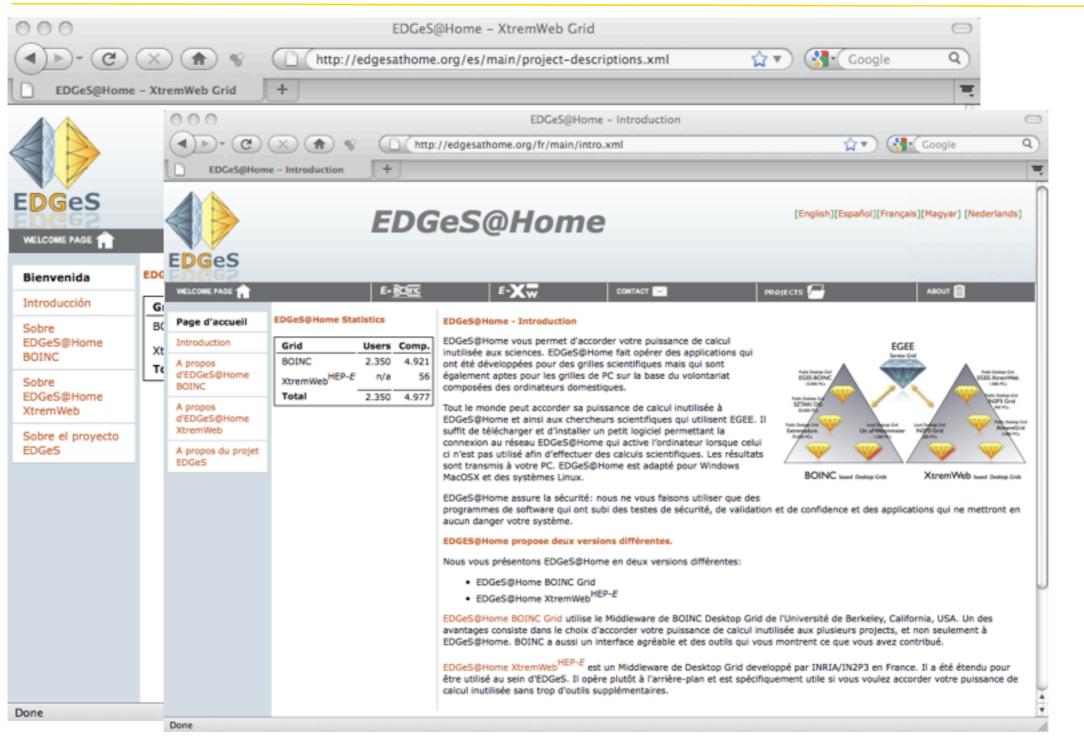






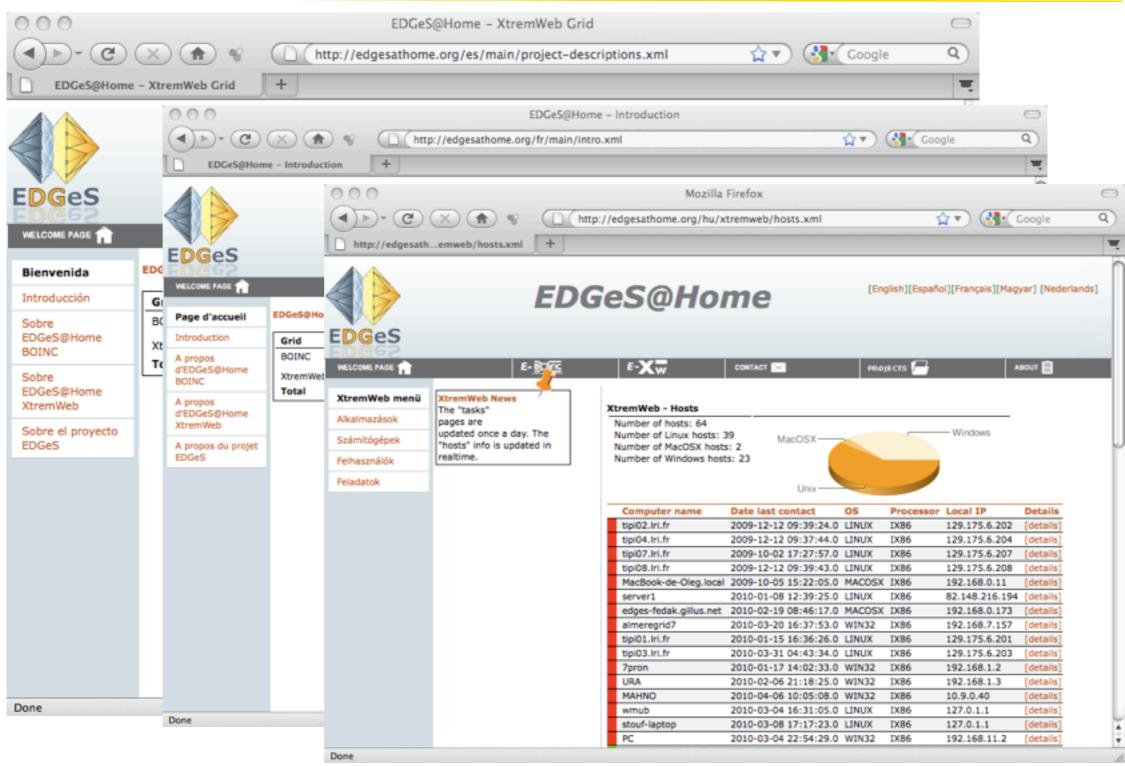
















Good message

With EDGeS@Home you can help solve the world's energy crisis

Donate unused computing time to fusion research

Program ISDEP of Spanisch scientists

Good initial coverage

Fusion communication departments

Press, radio

Available in local languages, local press releases

But...

Not a large amount of production work

Technical problems with part of the Grid

New "test" applications blurred the message





Educate, train, support

Support services:

- Expert support for Desktop Grid operators
- Expert support for application developers

Call for Operators and Developers (through EDGI) with financial support for 2 x 2 small projects.

- Open later this month
- Connected Cloud/Desktop Grid/Service Grid infrastructure

Meetings and event organisation:

- Tutorials on Desktop Grids and integration into the standard scientific e-Infrastructure (EGI,...)
- About one each month already
- Next one: September 17, Amsterdam, EGITF
- And session in large Grid training school in Beijing September 8





Who pays for it?

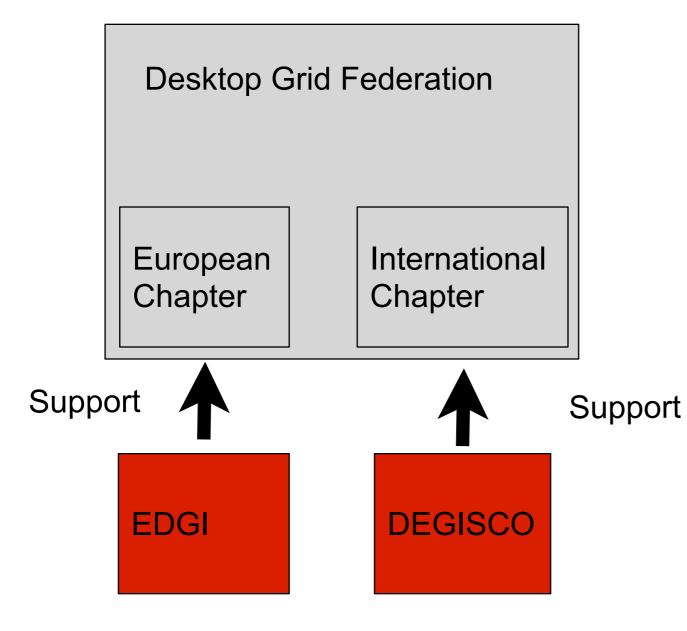
It is a member organisation, guess who...

- We are looking at member contributions and paid services
- But the good news: IDGF is supported by two European projects for the next two years: DEGISCO and EDGI
- The projects bring in a lot of experts, support, documentation, website support, etc.
- Valued at over € 1 million per year
- So let us not waste that money





Relation between entities



- Desktop Grid Federation entity independent of the projects
- Membership organisation
- Partners of DEGISCO and EDGI are members of the Federation (about 20 organisations)
- All activities of the Federation either "supported by EDGI" or "supported by DEGISCO" when appropriate and for reporting in the projects
- Work in progress: choose legal vehicle if any, develop bylaws, etc.



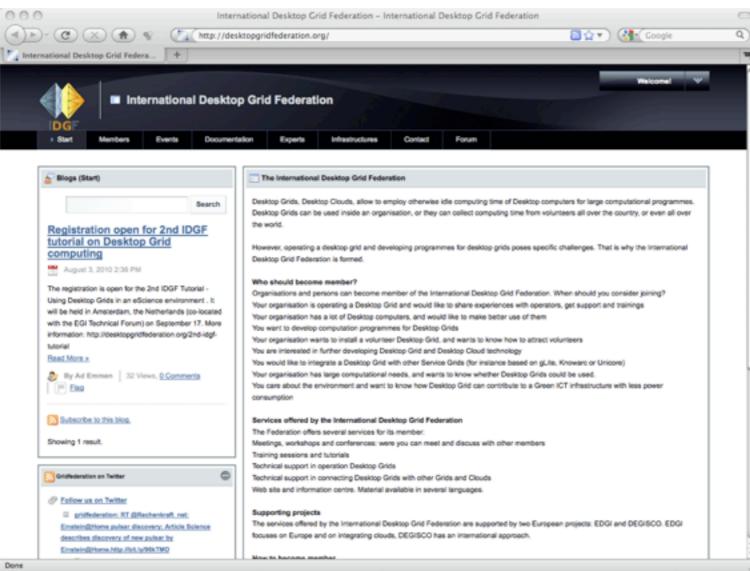


What is already there





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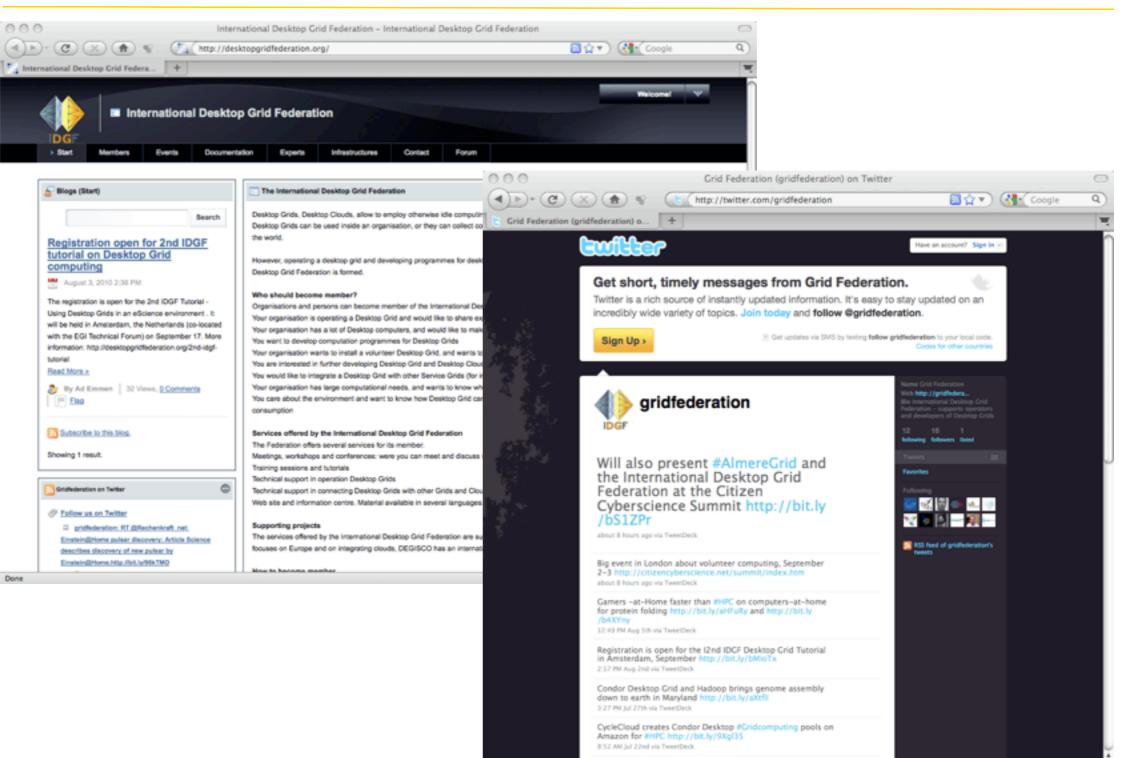


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What is already there



DECISCO and EPIKH projects to collaborate on Desktop Grid

Done



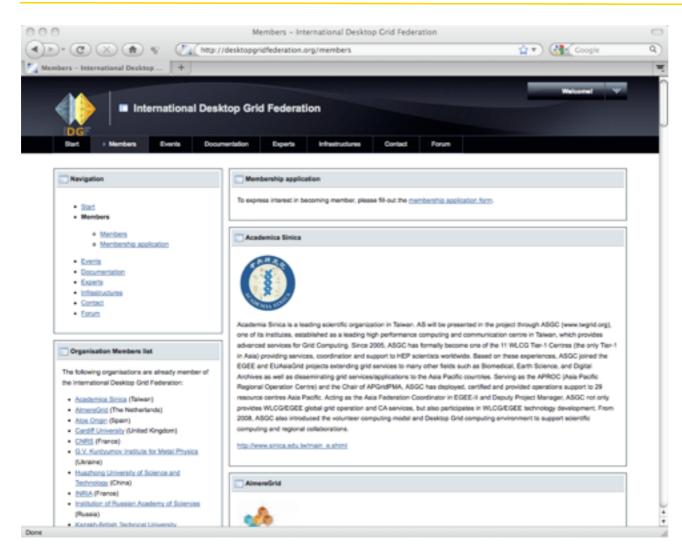


List of organisation and individual members



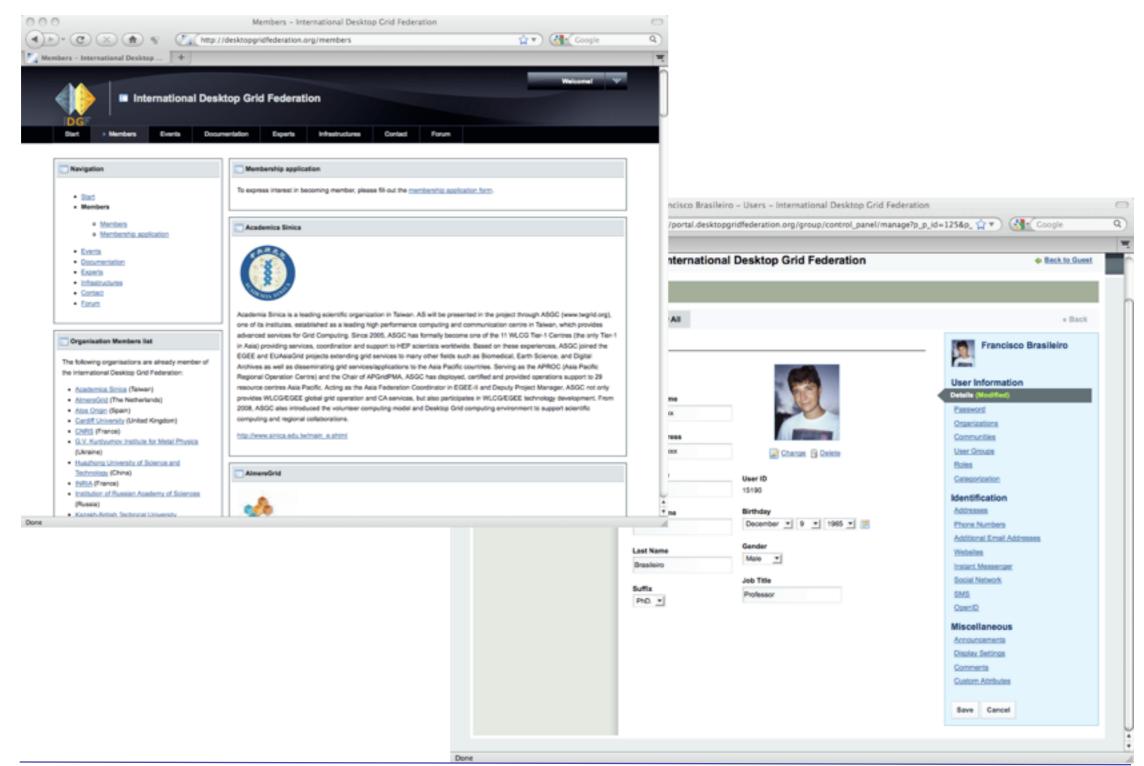


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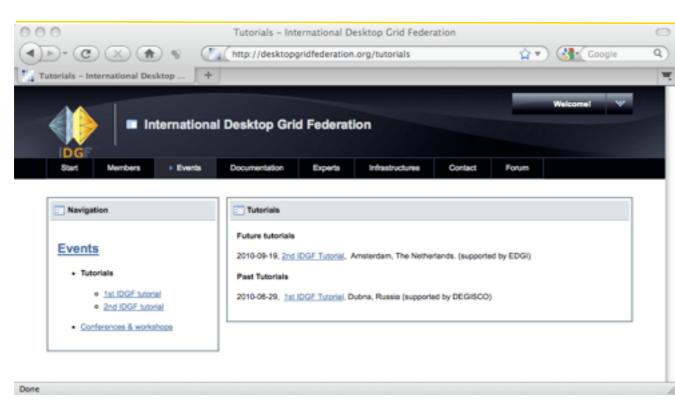


Events: tutorials, workshops



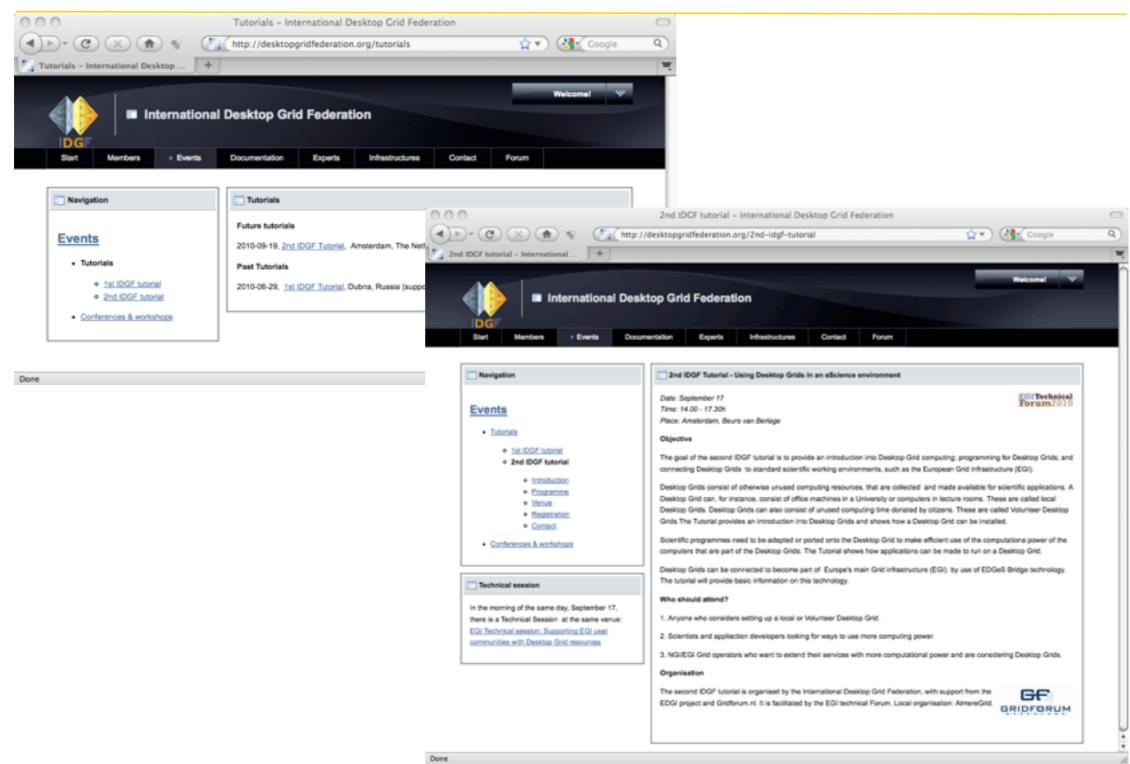


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Green Desktop Grids

Are Desktop Grids green?

- In London they probably are
- In Dubai they probably are not
- Airco takes a lot of energy
- Within IDGF (DEGSICO)
 - we are systematically investigating the energy costs of Desktop Grids
- You can join the survey and discussion forum
- Results useful for any Desktop Grid









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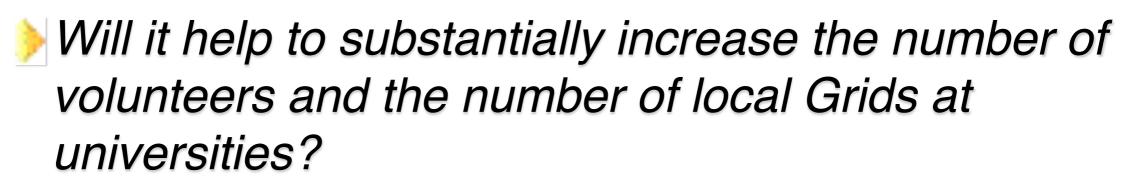




What do you think

Are you interested in joining?
What should we focus on?
Which pitt falls to avoid?

Main question:







http:// desktopgridfederation.eu

Globe adapted from http://upload.wikimedia.org/ wikipedia/commons/f/fa/ Globe.svg







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