

# Collaboration GRID

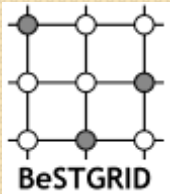
Advanced Video Conferencing

Access GRID

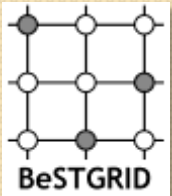
EVO (Enabling Virtual Organisations)

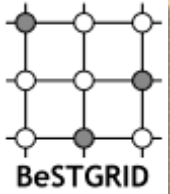
VRE (Virtual Research Environment)

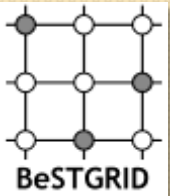
*“Low-hanging fruit”*



- UKERNA Introduction to AccessGRID











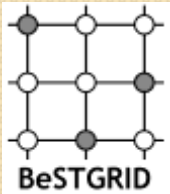




# What researchers really want....

A transparent tool that:

- **Absolutely no barriers to getting started**
- User operated
- Requires just a web cam and headset plugged into **my** computer
- Has **no** associated software installation...
- ...and I can tell my collaborators to go to a just a web link
- Is **Cross-platform**: Windows, Linux, Macintosh
- Has **no associated costs** ... research can continue when the grant runs out
- Hi-quality video and sound, multiple cameras, low-latency
- Bridges to standard **H.323 MCU, and SIP sessions**
- **Shared Whiteboard**
- Ability to **share my computer** screen/desktop and 'point'
- Share files, pictures, video
- Works with Unicast or Multicast, no complicated firewall settings





- Funded by Department of Energy (US)
- Developed at Caltech
- Used by researchers worldwide

EVO, the future of collaboration service - Mozilla Firefox


File Edit View History Bookmarks Tools Help

http://nextgen-caltex.cern.ch/evogate/

Wikipedia (English)

google unistaff bestgrid evo Isabel Plaza - Quick I... karen-ag bestgrid-sakai Memetic ScreenStrea... NZIMA Support WAND Network Rese...

English



Register

Profile

Start

Monitor

Documentation

Can't remember your login/password?

This is a pre-release. You can use it for regular meetings

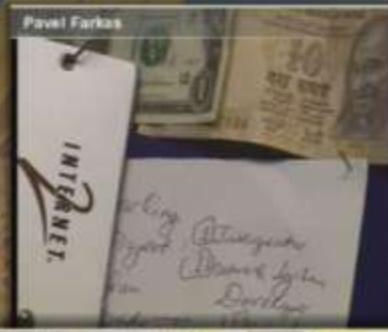
Feedback/Help  
F.A.Q.

Join

BYO

Background

35



Team meeting





Kasala - Paul Dunnington to BeSTGRID

BeSTGRID

This is a test

Leave this meeting

VIDEO SETTINGS

Zoom: 2.00 x

Frame rate: 30 fps

Quality: 2

Camera: Desktop Picture Encoder

Select camera Configure camera

Participants (6/6)

David 107 8.0.1 Paul 5655 5655

Name: Paul Dunnington

Available

My EVO Builders

My EVO Commandline

- PAUL Paul Dunnington
- Arday
- Delewan
- Martin
- Paul Dunnington
- Paul Dunnington
- Paul Dunnington
- James T. Hall
- Paul Dunnington
- Arday
- Paul Dunnington
- Chris

14:44:00 Meeting Successfully Started

BeSTGRID BeSTGRID

14:30:00 - 14:30:00

14:40:20 Meeting Successfully Started

BeSTGRID BeSTGRID

14:30:00 - 14:30:00

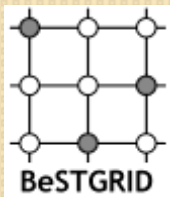
14:47:30 Paul Dunnington has been removed





# Virtual Research Environment

SAKAI-VRE



# Virtual Research Environments

- At their most basic, these are collaborative environments that enable:
  - communicating via both asynchronous (email, bulletin boards) and real-time (instant messaging, text chat, and less commonly, voice- and videoconferencing) channels
  - sharing documents
  - managing a "virtual organisation" e.g. meeting calendar, project management tools
  - aggregating information e.g. through RSS feeds from sites of relevance.
- “myspace.com” for Researchers

# Uptake

- Launched last month, our VRE already has
  - Over 200 self-registered participants
  - involved in over 30 projects in Humanities, Science and Engineering
- Based on the UK JISC work on the SAKAI Virtual Research Environment



Log

- [My Workspace](#)
- [Administration Workspace](#)
- [Auckland eResearch Task Force](#)
- [BeSTGRID Development](#)
- [NetExCNC](#)



### Worksite Information



[Options](#)

Welcome to "Network of Excellence for CNC (NetExCNC)"

- [Home](#)
- [Schedule](#)
- [Announcements](#)
- [Resources](#)
- [Discussion](#)
- [Drop Box](#)
- [Chat Room](#)
- [Wiki](#)
- [Email Archive](#)
- [Web Content](#)
- [Presentation](#)
- [Site Info](#)
- [Discussion and Private Messages](#)
- [Help](#)

Users present:

Paul Bonnington

### Recent Discussion Items

[Options](#)

**Probing Strategy in Part 16**  
 (Xun Xu - May 1, 2007 10:23 pm)

### Recent Chat Messages

[Options](#)

**Hi All**  
 (Paul Bonnington - May 10, 2007 2:32 pm)

### Recent Announcements

[Options](#)

**Probing Strategy in STEP-NC Part 16**  
 (Xun Xu - May 1, 2007 10:26 pm)

**Research Seminar on STEP-NC**  
 (Xun Xu - May 1, 2007 4:42 pm)



## Resources

[Site Resources](#) | [Upload-Download Multiple Resources](#) | [Permissions](#)

Location: NetExCNC Resources

[Remove Checked](#) | [Move Checked](#) | [Copy Checked](#)

<input type="checkbox"/>	<a href="#">Title</a>	Actions	Access	<a href="#">Created By</a>	<a href="#">Modified</a>
	NetExCNC Resources	<a href="#">Add</a>   <a href="#">Revise</a>   <a href="#">Reorder</a>			
<input type="checkbox"/>	Official Launch of NetExCNC	<a href="#">Add</a>   <a href="#">Revise</a>   <a href="#">Permissions</a>	Entire site	Xun Xu	3/16/07
<input type="checkbox"/>	NetExCNC Program of the Launch	<a href="#">Add</a>   <a href="#">Revise</a>   <a href="#">Permissions</a>	Entire site	Xun Xu	3/16/07
<input type="checkbox"/>	Presentations	<a href="#">Add</a>   <a href="#">Revise</a>   <a href="#">Permissions</a>	Entire site	Paul Bonnington	3/16/07
<input type="checkbox"/>	Presentations at NetExCNC Launch	<a href="#">Add</a>   <a href="#">Revise</a>   <a href="#">Reorder</a>   <a href="#">Permissions</a>	Entire site	Xun Xu	3/16/07
<input type="checkbox"/>	Original Photos at NetExCNC Launch (07/03/07)	<a href="#">Add</a>   <a href="#">Revise</a>   <a href="#">Reorder</a>   <a href="#">Permissions</a>	Entire site	Xun Xu	3/16/07
<input type="checkbox"/>	Intelligent and Interoperable Manufacturing Systems (IIMS)	<a href="#">Add</a>   <a href="#">Revise</a>   <a href="#">Permissions</a>	Entire site	Xun Xu	3/16/07
<input type="checkbox"/>	STEP-NC Introduction	<a href="#">Add</a>   <a href="#">Revise</a>   <a href="#">Reorder</a>   <a href="#">Permissions</a>	Entire site	Xun Xu	3/16/07
<input type="checkbox"/>	STEP-NC related meetings	<a href="#">Add</a>   <a href="#">Revise</a>   <a href="#">Reorder</a>   <a href="#">Permissions</a>	Entire site	Xun Xu	4/6/07

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[Private Messages](#)

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Users present:

Paul Bonnington

- Home ▶
- Site Info ▶
- Announcements ▶
- Chat Room 2 ▶
- Resources 2 ▶**
- Discussion and Private Messages 1 ▶
- Help ▶

Site Members:

- Chris Amelung** R
- Jim Laffey** R
- Bosung Kim** D
- Paul Turner** C
- Xinxin Huang** C

Christiana Kumalasari  
Pei-Ju Liu  
Piyanan Nuankhieo  
David Reid  
De Mei Shen  
I-Chun Tsai

C: Chat  
D: Discussion and Private Messages  
R: Resources

↑ RESOURCES ?

Site Resources | Upload-Download Multiple Resources | Permissions

Location: CANS Exploration Resources

Remove Checked | Move Checked | Copy Checked

<input type="checkbox"/>	Title	Activity	Created By	Modified	Size
CANS Exploration Resources					
<input type="checkbox"/>	Desktop Awareness Widgets		Chris Amelung	01/31/06	
<input type="checkbox"/>	1) EyeOnSakai v4.1		Chris Amelung	02/01/06	
<input type="checkbox"/>	2) EyeOnSakai v3.0		Chris Amelung	02/01/06	
<input type="checkbox"/>	3) EyeOnSakai v2.0		Chris Amelung	02/01/06	
<input type="checkbox"/>	Email Digest		Chris Amelung	01/31/06	
<input type="checkbox"/>	_README First.html		Chris Amelung	01/31/06	1 KB
<input type="checkbox"/>	DigestExample.html		Chris Amelung	01/31/06	3 KB
<input type="checkbox"/>	EmailDigestFAQ.html		Chris Amelung	01/31/06	6 KB
<input type="checkbox"/>	Relevant Articles		Chris Amelung	01/31/06	

▶ Show other sites

Co-Present Members

[Chris Amelung](#)  
[invite to chat](#)  
[recent activity](#)

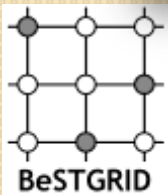
... is viewing the \_README First.html file...

[Jim Laffey](#)  
[invite to chat](#)  
[recent activity](#)

... just created Research.doc in Relevant Articles...

Most Active Resources

- 1) [\\_README First.html](#)  
 Author: Chris Amelung  
 Edits: 2  
 Views: 35
- 2) [EyeOnSakai.widget](#)  
 Author: Chris Amelung  
 Edits: 0  
 Views: 14
- 3) [carrot2003-awareness.pdf](#)  
 Author: Jim Laffey  
 Edits: 0  
 Views: 12





Logout

My Workspace Administration Workspace mercury site

- Home >
- Users >
- Aliases >
- Sites >
- Realms >
- Worksite Setup >
- MOTD >
- Resources >
- On-Line >
- Memory >
- Site Archive >
- LDAP Browser >
- WSRP Consumer <
- Help >

↑ WSRP CONSUMER ?

File Transfer Change Portlet

view edit help normal maximized minimized

### File Transfer Portlet - Browse

grid-compute.oesc.ox.ac.uk:2811/home/ngs0229

Name	Size	Time		
CoGtutorial.pdf	4026746	2005 May 25		<input type="checkbox"/>
date.out	29	12:35 Dec 9		<input type="checkbox"/>
largefile.junk	1073741824	2005 Jan 31		<input type="checkbox"/>
ls_270705.out	93	11:35 Jul 28		<input type="checkbox"/>
ls.out	5432	15:47 Dec 7		<input type="checkbox"/>
sleep.out	0	15:24 Jun 23		<input type="checkbox"/>
testdir1		11:26 Jun 10		<input type="checkbox"/>

Upload file:

grid-data.rl.ac.uk:2811/home/ngs0229

Name	Size	Time		
CoGtutorial.pdf	4026746	16:53 Jun 10		<input type="checkbox"/>
createlargefile	6113	2004 Dec 3		<input type="checkbox"/>
date.out	29	12:56 Jun 15		<input type="checkbox"/>
largefile.junk	1073741824	2005 Jun 9		<input type="checkbox"/>
ls.out	1006	12:21 Aug 15		<input type="checkbox"/>
testdir1		16:54 Jun 10		<input type="checkbox"/>

Upload file:

Host 1 is connecting to grid-compute.oesc.ox.ac.uk:2811/home/ngs0229  
Host 2 is connecting to grid-data.rl.ac.uk:2811/home/ngs0229

[Back](#) [New File Transfer](#)