

e-ScienceTalk

EXPANSION OF GRIDGUIDE TO 100 SITES

EU MILESTONE: MS6

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Abstract

The document describes the expansion to the GridGuide website to include 100 sites, including a list of the sites added.

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II. DELIVERY SLIP

	Name	Partner/Activity	Date
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Reviewed by	Reviewers:	Project team	24/5/2013
Approved by	PMB		29/5/2013

III. DOCUMENT LOG

Issue	Date	Comment	Author/Partner
1	24/5/13	First draft	C Gater/EGi.eu
2			
3			

IV. APPLICATION AREA

This document is a formal deliverable for the European Commission, applicable to all members of the e-ScienceTalk project and its beneficiaries and collaborating projects.

V. DOCUMENT AMENDMENT PROCEDURE

Amendments, comments and suggestions should be sent to the authors.

VI. PROJECT SUMMARY

Over the last 10 years, the European Commission and governments have invested substantial funds in distributed computing infrastructures. Scientists have access to state-of-the-art computational and data resources located around the world, putting European research into a leading position to address the greatest challenges facing us today, such as climate change, pandemics and sustainable energy. The advent of the European Grid Infrastructure, combined with the blurring of boundaries between grids, clouds, supercomputing networks and volunteer grids, means that a clear consistent source of information aimed at non-experts is now more important than ever, through dissemination projects such as e-ScienceTalk, that cross national boundaries.

Objectives:

- e-ScienceTalk will build on the achievements of the GridTalk project in bringing the success stories of Europe's e-Infrastructure to policy makers in government and business, to the scientific community and to the general public.
- e-ScienceTalk will work with EGI-InSPIRE and other collaborating projects to expand the scope of the existing GridTalk outputs, and to report on the interactions of grids with e-Infrastructures such as cloud computing and supercomputing.
- The project will explore options for the sustainability of e-ScienceTalk's products.
- e-ScienceTalk will produce a series of reports aimed at policy makers to disseminate key policy issues underpinning grid and e-Infrastructure development in Europe. The project will also coordinate e-concertation activities.
- The GridCafé, GridCast and GridGuide suite of websites will cover new topics and explore novel web technologies; they will integrate closely with GridPP's Real Time Monitor, combining live views of grid activity with the human aspects of computing.
- The growing weekly publication, International Science Grid This Week (iSGTW) will bring news and events to the existing and potential e-Science community under a new name of The Digital Scientist.

VII. EXECUTIVE SUMMARY

GridGuide (www.gridguide.org) is the youngest of the e-ScienceTalk products and gives a human face to the grid, showing the sites and sights of grid computing. Users can listen to podcasts from grid sites worldwide, read about the ongoing work and watch interviews with researchers. As well as giving a visual overview of current grid work, GridGuide enables users to drill down to more detail about an individual scientist's work and how the grid has produced results. For these reasons, the GridGuide is useful for engaging with policy makers who are able to find out more detail about work going on in their local regions or areas of responsibility, as well as the general public and other scientists.

The GridGuide complements the GridCafé by providing a more in-depth guide to institutions across the globe that are involved in grids and distributed computing. GridGuide has become increasingly interactive and accessible through co-development with the Real Time Monitor (RTM), which shows traffic on the worldwide grid in real time. The current integration with GridGuide allows a visitor to click on a site and view both the technical statistics from the RTM as well as the pages from GridGuide. The RTM is widely used for demonstrating the grid at conferences and events and is an accessible and engaging way to understand more about the grid and is currently being considered for a major exhibition about the Large Hadron Collider at the London Science Museum.

Milestone MS6 is to expand the GridGuide website to 100 sites. In total there are now 102 sites in the GridGuide, including 21 in North America, 5 in South America, 53 in Europe, 7 in Africa, 9 in Asia and 7 in Oceania. This represents an additional 72 sites since the start of the project, and is 102% of the final target for the project.



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1 INTRODUCTION

GridGuide (www.gridguide.org) is the youngest of the e-ScienceTalk products and gives a human face to the grid, showing the sites and sights of grid computing. Users can listen to podcasts from grid sites worldwide, read about the ongoing work and watch interviews with researchers. As well as giving a visual overview of current grid work, GridGuide enables users to drill down to more detail about an individual scientist's work and how the grid has produced results. For these reasons, the GridGuide is useful for engaging with policy makers who are able to find out more detail about work going on in their local regions or areas of responsibility, as well as the general public and other scientists.

The GridGuide complements the GridCafé by providing a more in-depth guide to institutions across the globe that are involved in grids and distributed computing. GridGuide has become increasingly interactive and accessible through co-development with the Real Time Monitor (RTM), which shows traffic on the worldwide grid in real time. The current integration with GridGuide allows a visitor to click on a site and view both the technical statistics from the RTM as well as the pages from GridGuide. The RTM is widely used for demonstrating the grid at conferences and events and is an accessible and engaging way to understand more about the grid. The GridGuide will be incorporated into the e-ScienceCity website in a new GridPort area by the end of PY3. The RTM is also being considered for a major exhibition about the Large Hadron Collider at the Science Museum in London.

2 LIST OF SITES

Milestone MS6 is to expand the GridGuide website to 100 sites to the GridGuide. In total there are now 102 sites in the GridGuide, including 21 in North America, 5 in South America, 53 in Europe, 7 in Africa, 9 in Asia and 7 in Oceania. This represents an additional 72 sites since the start of the project, and is 102% of the final target for the project. Sites are also part of the Real Time Monitor, and others are sites that are part of GÉANT, which corresponds with the GÉANT data layer added to the Real Time Monitor in PY1.

No	NAME	COUNTRY	REGION
1	Academia Sinica Grid Computing	Taiwan	Asia
2	ARCHIE-West	Scotland	Europe
3	ARCS	Australia	Oceania
4	BELNET	Belgium	Europe
5	BeSTGRID	New Zealand	Oceania
6	Brookhaven National Laboratory	United States	North America
7	Budapest University of Technology and Economics	Hungary	Europe
8	CEFET-RJ	Brazil	South America
9	CERN	Switzerland	Europe
10	CESNET	Czech Republic	Europe
11	CETA	Spain	Europe
12	Chinhoyi University of Technology	Zimbabwe	Africa
13	Clemson University	United States	North America
14	CNGrid	China	Asia
15	Computing Centre of the National Institute of Nuclear Physics and Particle Physics	France	Europe
16	Cornell	United States	North America
17	Croatian National Grid Infrastructure	Croatia	Europe
18	DCSC	Denmark	Europe
19	e-Infrastructure South Centre for Innovation	United Kingdom	Europe
20	Eb@le, DRC	Congo	Africa
21	EGI	The Netherlands	Europe
22	Fermilab	United States	North America
23	GCS	Germany	Europe
24	Goethe University	Germany	Europe
25	Greek Research & Technology Network	Greece	Europe

26	GridRepublic	United States	North America
27	Harvard University	United States	North America
28	HealthGrid	France	Europe
29	High Performance Computing (HPC) Wales	United Kingdom	Europe
30	ICHEC	Ireland	Europe
31	Indian Institute of Science	India	Asia
32	Indiana University	USA	North America
33	InGrid	Indonesia	Oceania
34	INICTEL-UNI	PERU	South America
35	Institut de Grilles et du Cloud	France	Europe
36	Institute of Physics of Cantabria	Spain	Europe
37	Institute of Informatics SAS	Slovakia	Europe
38	Institute of Nuclear Physics, Polish Academy of Sciences	Poland	Europe
39	Institute of Physics Belgrade	Serbia	Europe
40	Istituto Nazionale di Fisica Nucleare	Italy	Europe
41	Kasetsart University	Thailand	Asia
42	KENET	Kenya	Africa
43	KFKI RMKI Research Institute for Particle and Nuclear Physics	Hungary	Europe
44	KISTI	Korea	Asia
45	Lund University	Sweden	Europe
46	Maat-G	Spain	Europe
47	MidPlus	United Kingdom	Europe
48	MNM team	Germany	Europe
49	MTA SZTAKI	Hungary	Europe
50	N8 HPC- North of England	United Kingdom	Europe
51	National Center for Supercomputing Applications	USA	North America
52	National Institute for Computational Sciences	USA	North America
53	National Institute of Physics and Nuclear Engineering	Romania	Europe
54	NDGF office	Denmark	Europe
55	NeSI	New Zealand	Oceania
56	Niels Bohr Institute/e-Science Centre	Denmark	Europe
57	Nikhef	The Netherlands	Europe

58	Ohio Supercomputer Center	USA	North America
59	Pittsburgh Supercomputing Center	USA	North America
60	PSciGrid	Philippines	Asia
61	PSNC	Poland	Europe
62	Purdue	United States	North America
63	Queen Mary, University of London	United Kingdom	Europe
64	Queensland University of Technology	Australia	Oceania
65	REsources liNKage for E-Science RENKEI	Japan	Asia
66	REUNA	Chile	South America
67	Rochester Institute of Technology	United States	North America
68	Rudjer Boskovic Institute	Croatia	Europe
69	SAGrid	South Africa	Africa
70	San Diego Supercomputer Center	USA	North America
71	Shodor Education Foundation	USA	North America
72	SomaliREN	Somalia	Africa
73	Tel-Aviv University	Israel	Europe
74	TERNET	Tanzania	Africa
75	Texas A&M	United States	North America
76	Texas Advanced Computing Center	United States	North America
77	Texas Tech University	United States	North America
78	Triumpf	Canada	North America
79	TUBITAK ULAKBIM	Turkey	Europe
80	ULFME	Slovenia	Europe
81	Universidad de Los Andes	Venezuela	South America
82	Universidade Federal de Campina Grande	Brazil	South America
83	Universitat Autònoma de Barcelona	Spain	Europe
84	University of Amsterdam	The Netherlands	Europe
85	University of Cyprus	Cyprus	Europe
86	University of Florida	United States	North America
87	University Of Glasgow	United Kingdom	Europe
88	University of Groningen	The Netherlands	Europe
89	University of Latvia	Latvia	Europe
90	University of Melbourne	Australia	Oceania
91	University of Michigan	United States	North America
92	University of Naples Parthenope	Italy	Europe
93	University of Oslo	Norway	Europe

94	University of Salerno	Italy	Europe
95	University of Utrecht	The Netherlands	Europe
96	University Putra Malaysia	Malaysia	Asia
97	University of Indonesia	Indonesia	Oceania
98	Uppsala University	Sweden	Europe
99	Variable Energy Cyclotron Centre	India	Asia
100	Vilnius University	Lithuania	Europe
101	White Rose Grid	United Kingdom	Europe
102	ZAMREN	Zambia	Africa



3 CONCLUSION

During the final year of e-ScienceTalk, GridGuide has been integrated into the e-ScienceCity website. The redevelopment work and integration with RTM is covered in D1.4 RTM Final Report and D2.5 Final Report on GridGuide, GridCast and GridCafé.