



d4SCIENCE

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Project No	212488

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DNA3.3b**

**Communication and Dissemination activities
progress report**

April 2009

**SEVENTH FRAMEWORK PROGRAMME
Research Infrastructures**

INFRA-2007-1.2.2: Deployment of
e-Infrastructures for scientific communities



e-infrastructure

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LIST OF ABBREVIATIONS

D4Science	Distributed colLaboratories Infrastructure on Grid Enabled Technology 4 Science
DNA	Deliverable Networking Activity
EC	European Commission
FAO	The Food and Agriculture Organization of the United Nations
NA	Networking Activity
VRE	Virtual Research Environment

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SUMMARY

The D4Science Communication and Dissemination strategy is focusing on creating a worldwide community of individuals and institutes interested in using and exploiting the technology delivered by D4Science. The major D4Science Communication and Dissemination objectives were addressed through a number of Communication and Dissemination activities carried out by project members and on several occasions, in conjunction with other projects.

This report highlights the Communication and Dissemination activities accomplished in the M9-M16 period, including those concerning issues raised in DNA3.3a, plus a set of collected metrics. In turn this document presents some points that should be addressed in the coming months.

The document is intended for both internal and external readers and serves as a deliverable for DNA3.3b. Its dissemination level is Public. NA3 will report again on the progress of Communication and Dissemination activities at M24.

1 INTRODUCTION

1.1 Components of NA3

NA3	Communication and Dissemination
TNA3.1	Preparation of a Dissemination and Awareness raising Framework
TNA3.2	Dissemination, contribution to standards and awareness-raising activities

Deliverables and milestones:

- DNA3.1a-b Communication and Dissemination plan
- DNA3.2a-d Production of printed and multimedia promotional material
- **DNA3.3a-c Communication and Dissemination activities progress reports** (M8, M16, M24) to highlight activities accomplished in the period and explain deviations from the dissemination plan, including figures about dissemination success (e.g., use of the D4Science web portal, Scientists linked to the D4Science e-Infrastructure, Institutes participating in the D4Science e-Infrastructure).
- MNA3.1a-b Given the importance of the D4Science public web site as a communication tool, it is a milestone to be delivered in the early months of the project with an initial site scheduled for M2. At M6, the web site will provide full technical capabilities (MNA3.1a-b).

1.2 Outline

The document, DNA3.3b Communication and Dissemination activities progress report, is organised as follows:

- Chapter 1 INTRODUCTION presents the NA3 Communication and Dissemination deliverables and milestones and gives the document outline.
- Chapter 2 PROGRESS REPORT presents the Communication and Dissemination objectives and the activities carried out to help take the objectives forward.
- Chapter 3 PROGRESS EVALUATION includes a section on OUTSTANDING ISSUES AND PRIORITIES that presents a list of points to be addressed in the coming months and a section on METRICS that details a set of data that have been collected and analysed to monitor and evaluate the effectiveness of the Communication and Dissemination activities.
- Chapter 4 CONCLUSION summarizes the points addressed in this document.
- Chapter 5 ANNEXES gives additional valuable information.

2 PROGRESS REPORT

2.1 Communication and Dissemination objectives

As stated in DNA3.1 Communication and Dissemination Plan, the D4Science Communication and Dissemination strategy is focusing on creating a worldwide community of individuals and institutes interested in using and exploiting the technology delivered by D4Science. The major D4Science Communication and Dissemination objectives are:

Objective A	Diffuse information and raise awareness about the D4Science project to the user communities.
Objective B	Promote participation and further strengthen ties with the user communities.
Objective C	Encourage the e-Infrastructure to be a tool assisting the work of scientists.
Objective D	Establish links and encourage synergies with similar projects and initiatives.
Objective E	Raise new synergies and collaboration opportunities among consortium members.

Table 1 - Communication and Dissemination objectives

2.2 Progress towards objectives

To help take the Communication and Dissemination objectives forward a number of Communication and Dissemination activities have been identified, initiated or continued.

Relevant screenshots/images that illustrate Communication and Dissemination activities are available in “DNA3.2 Production of printed and multimedia promotional material”.

2.2.1 D4Science visual identity

Since the beginning of the project the D4Science visual identity has been contributing to the overall perception of the project. The strong and uniform identity makes the project recognizable at a glance. The project logo is used on many web sites, portal, Wikis and documentation. Publicity material, documents and slides created in the context of the project apply the D4Science tailored templates. These activities contribute to **Objective A** - *Diffuse information and raise awareness about the D4Science project to the user communities* (cf. Table 1).

2.2.2 D4Science key message and publicity material

Promotional items were prepared with the contribution of project participants. Communication and Dissemination material are updated regularly to provide the latest project status and newest achievements. The produced materials comply with the D4Science visual identity and convey the key message that D4Science is building a

general scientific e-infrastructure that can exploit resources from many different sources.

Publicity material, such as magazines, flyers were made available at events. Files are also available in electronic format on the D4Science project web site and on the shared BSCW workspace for project members' usage.

In the reported period new publicity material included:

- POSTER: A D4Science poster entitled "Innovative technologies for science across boundaries" was prepared and presented at two simultaneous events held on 02-06 March 2009:
 - the 4th EGEE User Forum, OGF25, and OGF-Europe 2nd International Event;
 - the COFI - FAO's Committee on Fisheries - 28th Session.
- SLIDES: Public PowerPoint files prepared in the reported period were shared on the D4Science web site.
- PAPERS: Eight D4Science papers were published in the reported period (M9-M16) and one has been prepared. When final, all electronic versions of papers are available on the Internet.
 - Tsangaris M., Kakaletis G., Kllapi H., Papanikos G., Pentaris F., Polydoros P., Sitaridi E., Stoumpos V., Ioannidis Y. Dataflow Processing and Optimization on Grid and Cloud Infrastructures, Bulletin of the IEEE Computer Society Technical Committee on Data Engineering, Vol. 32 No. 1, March 2009
 - Simeoni F., Lievens D. Matchmaking for Covariant Hierarchies, 8th Workshop on Aspects, Components, and Patterns for Infrastructure Software (ACP4IS '09), March 2009
 - Pagano P., Simeoni F., Simi M. and Candela L. Taming Development Complexity in Service-Oriented e-Infrastructures, In Zero-In First edition eMagazine on "Building Insights, Breaking Boundaries", January 2009
 - Castelli D. e-Infrastructures designed for demanding science, In eStrategies Europe Vol 2 No 4 on "Europe's new flagship for innovation", British Publishers, November 2008
 - Fusco L., Cossu R., van Bemmelen J., Guidetti V., Li Santi E., and Rossi A. The Advance Technology Fusion for EO Application, 21st International CODATA Conference, Scientific Information for Society - from Today to the Future, October 2008
 - Assante M. and Frosini L. Extensible Digital Library User Portals for e-Infrastructures, In proceedings of the 1st Workshop on Very Large Digital Libraries, VLDL2008, Aarhus, Denmark, September 2008
 - Assante M., Candela L., Castelli D., Frosini L., Lelii L., Manghi P., Manzi A., Pagano P., Simi M. An Extensible Virtual Digital Libraries Generator, In proceedings of the 12th European Conference on Research and Advanced Technology for Digital Libraries, ECDL 2008, Aarhus, Denmark, September 2008, pp 122-134
 - Simeoni F., Castelli D., Pagano P., Simi M. and Connor R. Application-level Research e-Infrastructures: the gCube Approach, UK e-Science All Hands Meeting 2008, September 2008

- *In preparation*: "Functional adaptivity for Digital Library Services in e-Infrastructures: the gCube Approach" submitted to the Infrastructure Special Track at ECDL 2009.
- PHOTOS: D4Science photos, posted on the D4Science Flickr gallery, illustrate the participation at events, reflect the project dynamism and introduce project members to the web community. Many contributors volunteered to take pictures at events.
- A D4Science *Best Wishes for the New Year's 2009* was prepared, published on the web and sent by e-mail.

D4Science in other initiatives:

- VIDEO: An interview of the Technical Director of the D4Science project, was performed by GridTalk during the 4th EGEE User Forum, OGF25, and OGF-Europe 2nd International Event in March 2009. The video is available on the D4Science web site and also on BlipTv.
- BOOKLET: D4Science was included in the joint booklet entitled "Achieving Global Science: Grid-powered solutions from EGEE and Collaborating Projects" that was published by EGEE in September 2008.

Material in preparation:

- A D4Science project member had a phone interview with the Enabling Grids for E-science project for the publication of an article highlighting the AquaMaps application. Photos illustrating AquaMaps were provided.
- A D4Science project member had a phone interview with eResearch2020 to include D4Science in the study that will investigate the utilization of e-Infrastructure in (virtual) research communities and to propose strategies to enhance uptake and use.

These initiatives contributed to **Objective A** - *Diffuse information and raise awareness about the D4Science project to the user communities* and **Objective D** - *Establish links and encourage synergies with similar projects and initiatives* (cf. Table 1).

2.2.3 Web presence

An updated and lively D4Science public web site as a communication tool is of the utmost importance. In the reported period web activities focused on its further development, maintenance and addition of content. It also focused on the use of free Web 2.0 tools that offer more and powerful alternative ways to communicate and reach our audience. Furthermore project members have worked on several D4Science thematic Wikis and portal that also increase the D4Science web presence. Project members disseminated information about the project on their corporate web sites. The web publication of articles and papers also contributed to raise awareness of the project.

The D4Science comprehensive web presence contributes to many of the Communication and Dissemination objectives, in particular to **Objective A** - *Diffuse information and raise awareness about the D4Science project to the user communities* and to

Objective B - Promote participation and further strengthen ties with the user communities and **Objective D** - Establish links and encourage synergies with similar projects and initiatives (cf. Table 1).

- **D4Science web site:** www.d4science.eu

The D4Science website is regularly updated and evolves with the life of the project. New content is added to reflect the on-going work. One example was the creation of a new section entitled “Collaborating projects” which was created following the submission of the deliverable DNA2.2a Report on inter-projects coordination and collaboration. The collaborations are of vital importance for the D4Science project and needed to be emphasized on the web site. This section will grow/be updated together with the publication of DNA2.2b. The “Collaborating projects” section not only presents the projects, their logos and the types of collaboration, but it also automatically displays the projects’ Latest News. Indeed, this is the case for a number of projects that have implemented the RSS technology (i.e. BELIEF, Dublin Core, EGEE, EGI_DS, NeOn and OGF-Europe).

Other new and highly visited web pages relate to the Virtual Research Environments (VREs). In fact all available VREs are now detailed and illustrated with various materials such as images, relevant documentation, links and citation. To coincide with the release of VREs, blog stories have been published to inform the user communities.

Indeed three areas are frequently updated: the D4Science blog, the D4Science calendar and the documentation area. Web statistics show that these three areas of the D4Science web site are among the most visited webpages (cf. Table 5). The participation to events, listed in the dynamic web calendar, is usually reported in the form of blog stories with attachments to the presented material. The D4Science blog is lively and shares important and new information with the project participants and user communities. Project members can contribute to the D4Science blog by proposing news stories. News can be tagged following pre-defined categories but also with free text.

- **D4Science thematic Wikis:** <http://www.d4science.eu/resources>

Thematic Wikis have been updated in the reporting period to cover important topics. The “D4Science Resources” web page is regularly updated and provides links to Wikis and other useful tools and facilities.

- **D4Science e-Infrastructure portal:** <http://portal.d4science.research-infrastructures.eu/vre/vre>

The D4Science production infrastructure homepage is public. By logging to the portal users can access the Virtual Research Environments (VREs).

- **D4Science photos on Flickr:** <http://www.flickr.com/photos/d4science/>

The gallery now includes 120 D4Science photos organized in 13 sets that correspond to 13 events. The Flickr slideshows are embedded in the D4Science web site. In total, the photos have been viewed 3,250 times (about 300 views per month). Group photos have a higher success.

- **D4Science videos on Blip.Tv:** <http://blip.tv/file/1912552>

Blip.tv (a free hosting, distribution and advertising platform for creators of videos) is used to share D4Science videos. Blip.tv includes one D4Science video - interview of the Technical Director of the D4Science project performed by GridTalk during the 4th EGEE User Forum, OGF25, and OGF-Europe 2nd International Event in March 2009 - which is also embedded in the D4Science web site.

- **D4Science slides on SlideShare:** <http://www.slideshare.net/d4science>

SlideShare (a free presentation sharing web site where users can upload, view and share presentation files) is a new entry point to share D4Science slides and reach communities of users. In particular, the intention is to share slides related to Virtual Research Environments and User Communities. For example, a presentation about "VRE - User And Role Management" has been viewed 63 times in 2 weeks. The same slides are also available on the D4Science web site.

- **D4Science links on Delicious:** <http://delicious.com/d4science>

Delicious (a free social bookmarking service) is used by D4Science to provide a quick and easy access to web sites that relate to the project. Also, to make it easier to bookmark and share D4Science information, the AddThis button and D4Science on Delicious have been added on the D4Science web site.

- **D4Science article on Wikipedia:** <http://en.wikipedia.org/wiki/D4Science>

This article about D4Science provides a project summary and important links. Anyone can contribute to the article, add information and cross-references.

It is classified under the following categories:

European Union and science and technology | European Commission projects | FP7 Projects | Science and technology in Europe | Grid computing | Distributed computing | FP7 grid computing projects | Grid computing projects

- **D4Science article on Wikigender:**
<http://new.wikigender.org/index.php/D4Science>

Coinciding with the International Women's Day on 8 March 2009, D4Science has published an article on Wikigender, which includes project information and a paragraph dedicated to D4Science and Gender.

- **Project participants' web sites**

Project members published information about D4Science on their corporate web sites:

- CERN: EU Projects Office
http://cerneu.home.cern.ch/cerneu/eu_projects/fp7/#D4Science
- FAO: D4Science news related to COFI and the Fisheries and Aquaculture Resources Management (FARM) User Community was published on two FAO web sites.

- Agricultural Information Management Standards (AIMS):
<http://www.fao.org/aims/news.jsp?show=news>
- Knowledge Exchange and Capacity Building Division (KCE):
<http://www.fao.org/kce/news2/en/>

- **Collaborating partners web sites**

D4Science registered to the BELIEF Community. With the D4Science account it is possible to insert D4Science news related to infrastructure <http://www.beliefproject.org/search?SearchableText=d4science>.

- **Other web sites**

Even though the 1st D4Science official press release “D4Science – How e-Infrastructures can help Environment and Biodiversity” was published in July 2009, a few web sites have been publishing it in autumn 2009.

2.2.4 Dialogue, debate and networking

D4Science’s dialogue, debate, networking activities and its participation at external events contributed to many of the Communication and Dissemination objectives, in particular to **Objective A** - *Diffuse information and raise awareness about the D4Science project to the user communities*, **Objective B** - *Promote participation and further strengthen ties with the user communities*, **Objective D** - *Establish links and encourage synergies with similar projects and initiatives* and **Objective E** - *Raise new synergies and collaboration opportunities among consortium members* (cf. Table 1).

2.2.4.1 Networking activities and external events

D4Science is collaborating with other FP6 & FP7 projects and R&D programmes. Joint events are excellent opportunities to improve these collaborations and start new ones. Collaborations are of different nature, as they range from technical exchanges involving mutual exploitation of technologies to the sharing of e-Infrastructure resources and to the joint organisation of networking and dissemination events. Collaborations are clustered into: technological projects, user communities related projects, other projects and initiatives, and standardization working groups. The number of collaborations does increase proportionally to the awareness-raising communication activities and also to the availability of the production infrastructure. Deliverable “DNA2.2 Report on inter-projects coordination and collaboration” as well as the D4Science web site cover the ongoing collaboration.

D4Science had a strong presence at many international events, being actively involved in important and varied activities, such as talks, panel discussions, paper presentations, tutorials, demonstrations, posters, video registration and information booth.

List of external events
UK e-Science All Hands Meeting 2008 Start: 08/09/2008 End: 11/09/2008 Edinburgh - United Kingdom
European Conference on Research and Advanced Technology for Digital Libraries ECDL2008 Start: 14/09/2008 End: 19/09/2008 Aarhus – Denmark
24th Open Grid Forum - OGF24 Start: 15/09/2008 End: 19/09/2008 Singapore
First Workshop on Very Large Digital Libraries Start: 19/09/2008 End: 19/09/2008 Aarhus – Denmark
Third Workshop on Foundations of Digital Libraries Start: 19/09/2008 End: 19/09/2008 Aarhus – Denmark
EGEE'08 conference Start: 22/09/2008 End: 26/09/2008 Event location Istanbul – Turkey
21st International CODATA Conference Start: 05/10/2008 End: 08/10/2008 Kyiv – Ukraine
RCDL 2008 Start: 07/10/2008 End: 11/10/2008 Dubna - Russian Federation
4th International Conference on Universal Digital Library Start: 31/10/2008 End: 02/11/2008 Allahabad – India
6th e-Infrastructure Concertation Meeting Start: 24/11/2008 Lyon – France
ICT 2008 Start: 25/11/2008 End: 27/11/2008 Lyon – France
Open European Conference on Global Change and Marine Ecosystems Start: 25/11/2008 End: 27/11/2008 Rome – Italy
4th International Digital Curation Conference Start: 01/12/2008 End: 03/12/2008 Edinburgh - United Kingdom
REpository CUration Service Environments (RECURSE) Workshop Start: 01/12/2008 End: 03/12/2008 Edinburgh - United Kingdom

"2012 Marine Targets" : European Marine Strategy and Issues in the High Seas Start: 09/12/2008 End: 11/12/2008 Brest – France
Open Access Infrastructures: The Future of Scientific Communication Start: 15/12/2008 End: 16/12/2008 Athens - Greece
User Community Transition from EGEE to EGI Start: 17/12/2008 End: 17/12/2008 Paris - France
Knowledge Share Fair Start: 20/01/2009 End: 22/01/2009 Rome - Italy
4th Session of the IODE Group of Experts on Biological and Chemical Data Management and Exchange Practices (GE-BICH-IV) Start: 27/01/2009 End: 30/01/2009 Oostende - Belgium
Global Research Library 2020 Asia Start: 25/02/2009 End: 26/02/2009 Taipei, Taiwan
4th GRID & e-Collaboration Workshop – Digital Repositories Start: 25/02/2009 End: 26/02/2009 Frascati - Italy
EGEE-User Forum/OGF25 Start: 02/03/2009 End: 06/03/2009 Catania - Italy
COFI - FAO's Committee on Fisheries - 28th Session Start: 02/03/2009 End: 06/03/2009 Rome - Italy
8th Workshop on Aspects, Components, and Patterns for Infrastructure Software (ACP4IS 2009) Start: 02/03/2009 End: 02/03/2009 Charlottesville, Virginia - United States of America
Third FAO Fisheries Department brainstorming session on "A new business process for the development of Fishery Country Profiles" Start: 11/03/2009 End: 11/03/2009 Rome - Italy
1st BELIEF II & CASPAR Brainstorming Workshop Start: 06/04/2009 End: 07/04/2009 Athens - Greece

Table 2 – List of external events

2.2.4.2 D4Science World User Meeting

D4Science started the organization of a D4Science World User meeting that will be held on 25-26 November 2009 in FAO Headquarters (Rome, Italy). Preliminary documents such as the agenda, invitation letter and list of invitees have been circulated among Networking Activities staff and are under discussion.

3 PROGRESS EVALUATION

3.1 OUTSTANDING ISSUES AND PRIORITIES

The previous section of this document highlighted activities that contributed to the Communication and Dissemination objectives detailed in Table 1. Addressing the following point will maximize the success of the D4Science project.

As stated in deliverable DNA3.1 Communication and Dissemination Plan, the D4Science communication and dissemination strategy is focusing on creating a worldwide community of individuals and institutes interested in using and exploiting the technology delivered by D4Science. When the D4Science production infrastructure becomes available to the public, the User communities and scientists will be able to exploit a Virtual Research Environment (VRE), get familiar with the interface, run demonstrations, show and discuss concepts with other users. It is expected that the e-Infrastructures will provide synergies across currently fragmented scientific communities.

The Release of the 1st version of the D4Science production infrastructure was done in July 2008 and the release of the 2nd version was done in February 2009. In both cases only project members could access the D4Science production infrastructure by completing a registration form. This emphasizes the importance of constantly documenting the project's progress, of providing updated dissemination material, of capitalising on existing Web 2.0 technologies and of maintaining a high level of participation/leadership in events in order to establish interaction with the community of users and collaborating projects.

3.2 METRICS for the M9-M16 period

As an attempt to monitor and evaluate the effectiveness of Communication and Dissemination activities, some data has been collected and analysed. Figures in the following tables are extracted from both AWStats¹ and Google Analytics.² Annex 5.2 gives further details.

To better identify the progress, strengths and weaknesses, some figures from the previous period M1-M8 have been kept.

	Unique visitors	Number of visits	Pages viewed
Total M1-M8	15528	73040	252387
Total M9-M16	32106	116318	571934

Table 3 – Web log statistics³

[Source: AWStats]

	Flyer	Project summary	Posters
Total M1-M8	301	249	38
Total M9-M16	6199	6254	699

Table 4 – Web downloads of publicity material

[Source: AWStats]

Rank	URL	Description
1.	/	Homepage
2.	/resources	D4Science resources, tools and facilities
3.	/home	Homepage
4.	/dlorg	Collaborating project page about DL.org
5.	/digitallibrary	Documentation
6.	/about	About D4Science
7.	/event	Events calendar
8.	/deliverables	Project deliverables
9.	/communities	Scientific user communities
10.	/vre	Virtual Research Environments

Table 5 – Top web pages

[Source: Google analytics]

¹ AWStats is a Web analytics reporting tool. It is provided by SiteGround, the D4Science web site hosting service.

² Google Analytics is a free service offered by Google that generates detailed statistics about the visitors to a website.

³ For a definition of Unique visitors, Number of visits, Pages viewed cf. AWStats Glossary: http://AWStats.sourceforge.net/docs/AWStats_glossary.html

	ICIS	FCCPS	GCM	GVM	AquaMaps
Total M9-M16	6744	6774	3140	3093	578

Table 6 – Access to VREs web pages

[Source: AWStats]

Note regarding Table 6: The numbers of visits are given to emphasize the interest in each VRE. They cannot be used for comparison between each VRE, as the dates of availability of the VRE web pages were different (for example: FCCPS=M1, GCM=M12, AquaMaps=M15).

4 CONCLUSION

The present document has described the D4Science Dissemination and Communication activities that have been carried out during M9-16 in order to raise awareness with the largest pool of potential users and user communities, to promote and deepen the understanding of the D4Science project and to foster action and participation.

The D4Science project is developing innovative technologies that will improve the way scientists perform their work. Ongoing dissemination, dialogue and participation will help their adoption by the user communities. In the coming months the Communication and Dissemination work will proceed and evolve so that the user communities, collaborating FP6 & FP7 projects and R&D programmes get even more acquainted with the D4Science project and its evolution.

5 ANNEXES

5.1 Planned events for D4Science dissemination

	Event title	Date	Location
2009			
J	D4Science-DARIAH Meeting	15 May	Pisa, Italy
J	2nd BELIEF International Symposium	16-17 Jul	São Paulo, Brazil
J	International Conference for Digital Libraries and the Semantic Web 2009	08-11 Sep	Trento, Italy
E	Digital Libraries: Advanced Methods and Technologies. Digital collections (RCDL'2009)	17-21 Sep	Petrozavodsk, Russian Federation
E	EGEE'09 Conference	21-25 Sep	Barcelona, Spain
	ECDL 2009 - 13th European Conference on Digital Libraries	27 Sep -02 Oct	Corfu, Greece
D	D4Science World User Meeting	25-26 Nov	Rome, Italy
E	UK e-Science All-Hands Meeting 2009 "Past, Present and Future"	07-09 Dec	Oxford, United Kingdom
E	5th IEEE International Conference on e-Science	09-11 Dec	Oxford, United Kingdom

Table 7 – Preliminary list of coming events

Legend:

D=D4science event

E=External event

J=Joint event (synergies)

5.2 Detailed metrics for the M9-M16 period

Description	Data collected
Flyer	Number: 1 Date: May 2008 (last updated) Language: EN Downloaded on web site: 6228
Project summary	Number: 1 Date: April 2008 Language: EN Downloaded on web site: 6254
Project posters	Number: 2 Date: April 2008 and March 2009 Language: EN Downloaded on web site: 737
Project web site	Number of visits: 116318 Unique visitors: 32106 Pages: 571934

Table 8 – Metrics

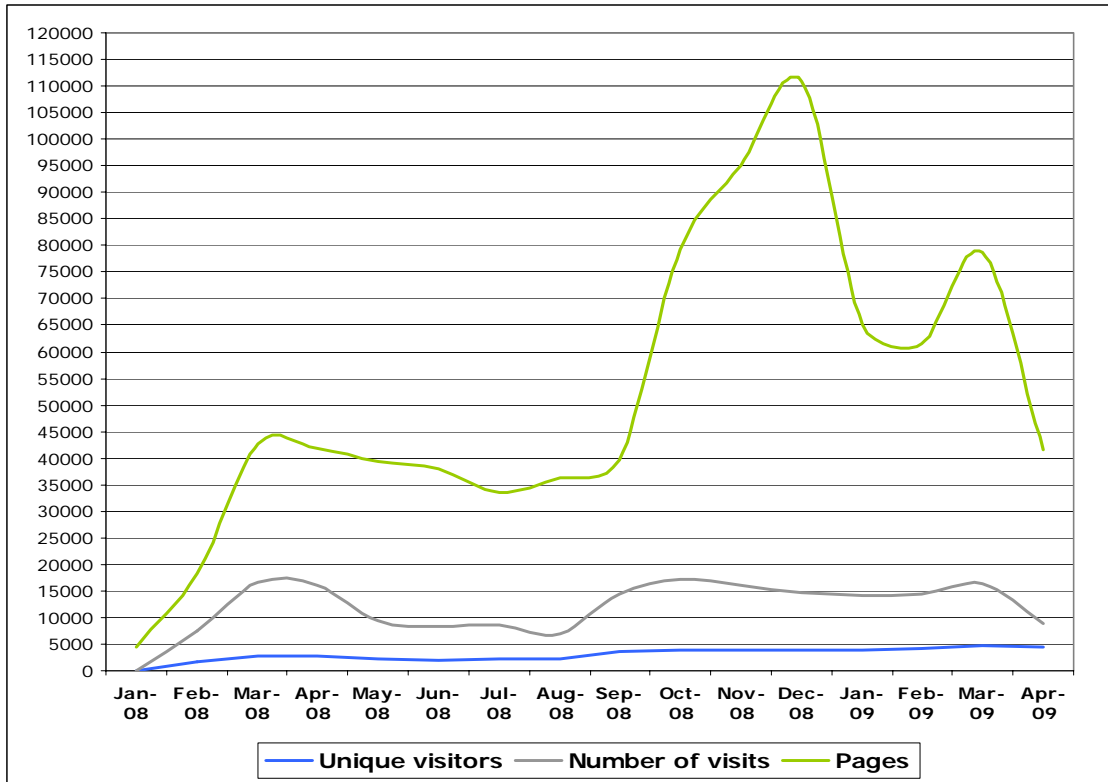


Figure 1 – Evolution of D4Science web site access⁴

[Source: AWStats]

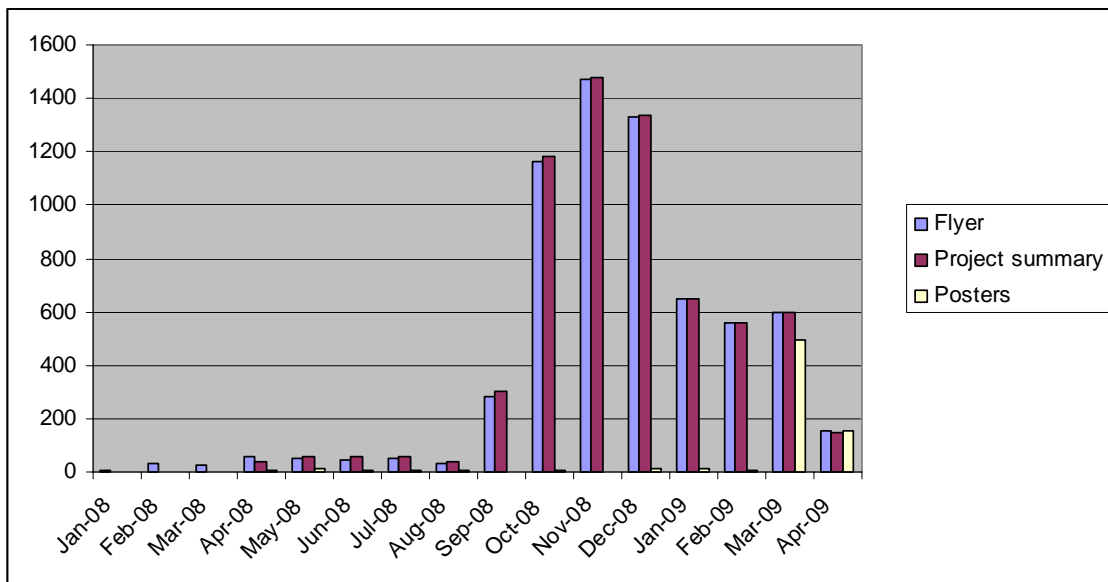


Figure 2 – Publicity material downloaded on web site⁵

[Source: AWStats]

⁴ During M15-16, critical server errors problem occurred and could be at the origin of a drop in usage statistics. Contact was established with the hosting company and server's behaviour is being monitored.

⁵ The new D4Science poster was produced in March 2009.

REFERENCES

- [1] DNA3.1a Communication and Dissemination Plan
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