



# SHARE

## FINAL PLAN FOR USING & DISSEMINATING KNOWLEDGE

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### **Abstract:**

The final plan for using and disseminating knowledge summarises the dissemination activities planned by SHARE partners during the project for the coming future. The deliverable consists of going over the main dissemination ways to promote the adoption of the SHARE roadmap.



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## **1. INTRODUCTION**

SHARE aims at producing a roadmap for the wide adoption and deployment of grid technologies for healthcare and biomedical research in Europe within 10-15 years.

Disseminating knowledge and results is a crucial part of a project like SHARE, as in order to be successful, it is important that different communities as scientific communities, researchers or government are awareness about the result of the project.

During its two years of existence, the project SHARE has lived many experiences at the dissemination level. Now it is time to look in the future and define how the project can be spread after its main conclusion.

The final plan for using and disseminating knowledge describes the different ways and means that the project will use as well as the main messages.

### **1.1. PURPOSE OF THE DOCUMENT**

This document presents ways to disseminate the roadmap in order to be adopted and used, and made health grid available to a wide public within these ten years.

### **1.2. APPLICATION AREA**

The document is intended for internal and external use. It will be used as dissemination guidance for the SHARE project. The target audiences for this document are all partners involved in the SHARE project.

### **1.3. REFERENCES**

DoW	Document of Work updated on 18 <sup>th</sup> July 2007
D2.2	Plan for using & disseminating knowledge
D2.3	Report on and improvement of plan for using & disseminating knowledge
D6.1	Integrated roadmap I
D6.2	Final Roadmap

### **1.4. DOCUMENT EVOLUTION PROCEDURE**

The document itself will be updated incrementally through further consultation and interaction in WP2.

Comments should be sent to Yannick Legré at [yannick.legre@healthgrid.org](mailto:yannick.legre@healthgrid.org).



## **1.5. TERMINOLOGY**

CA	Consortium Agreement
EAC	External Advisory Committee
EC	European Commission
EU	European Union
HCA	Health Care Authorities
ICT	Information and Communication Technologies
KB	Knowledge Base
MB	Management Board
PD	Project Director
PEC	Project Executive Committee
PO	Project Office
PR	Periodic Reports
QMR	Quarterly Management Report
RTD	Research an Technological Development
WP2	Work Package about Liaison & Dissemination



## **2. EXECUTIVE SUMMARY**

### **Responsibilities**

Plans, role and responsibility of the partners for using and disseminating knowledge are defined and managed by the Work Package 2. As stated in the technical annex "the activity of this workpackage will focus on two major items: raising awareness and disseminating information about the SHARE roadmap.

### **Audiences**

All partners involved in the SHARE project.

### **Where are we now**

The project has been running for two years now, and a number of activities to raise awareness about SHARE and its findings have been carried out and some others are planned.

The final roadmap is now produced and will be published in a few months. Efforts need to be carried on to disseminate this roadmap to the widest audience possible.

### **Conclusions**

Project is now ending, but efforts in dissemination need to be kept to reach the final goal of the project: adopt a roadmap for the development and adoption of health grids.



### **3. DISSEMINATING KNOWLEDGE AND ITS USE**

#### **3.1. OBJECTIVES**

Substantial progress has been made by SHARE in disseminating information on the specification, and coordinating debate.

It is important that there is a sustainability effort to ensure that the programmed achievements made to date are carried forward and that future attempts at adoption are supported.

To this end, it has been proposed that contact still be maintained with the SHARE participants and the HealthGrid Community, as well as relationship with research groups, or institutions. These contacts will enable the continuity of the SHARE results dissemination and the following of the process of sharing relevant knowledge.

Sustaining the work of SHARE involves also the maintenance of the Web infrastructure by the SHARE partners. The SHARE website ([www.eu-share.org](http://www.eu-share.org)) will carry on providing the results through validated deliverables in one hand, and on the other hand will follow the dissemination of the roadmap through indicated links.

SHARE involves the HealthGrid Community and is essential for the development of healthgrids. The roadmap will be used as a bridge between the SHARE project and healthgrids users.

#### **3.2. THE TOOLS**

As previously reported in the D2.3, tools created by SHARE project help the evolution, spread, and application of the roadmap planned to be used within 10 years.

##### **The Knowledge Base**

The Knowledge Base is the main tool that SHARE has created to give to the opportunity to spread knowledge about health grids technologies, in order to help the adoption of this technology.

The necessity of creating a knowledge base was obvious after noticing that something was missing in the range of tools already existing in biomedical research. The Knowledge Base was built in this objective and is translating today the idea of sharing knowledge.

##### **The Wiki**

The Wiki is a tool which allows sharing online data and other information necessary for the creation of main dissemination tools.

The Wiki enables collaborative work and mass collaborative authoring by adding, removing or editing content by simply being authenticated.

##### **The HealthGrid portal**

The HealthGrid portal allows the access to the Knowledge Base, the Wiki and the Trac SVN (the Trac SVN is an open source software which allows users to keep track of changes made over time to any type of electronic data). This portal also allows sharing of news and events in an easy way by using a CMS (Content Management System) and a LDAP server.

##### **Publication**

Some scientific results have been published in specialised publication to spread the roadmap to specific public with higher impact.

### **3.3. THE TARGETS AND AUDIENCES**

One of the key objectives of the SHARE project is to spread information about e-health, road mapping and global activities in the domain of healthgrids.

The main targets are:

- EU RTD (Research and Technological Development)  
As said in the first deliverable, EU integration begins to impact strongly on health systems.
- The European Commission.
- Member States RTD (Research and Technological Development)
- ICT Industry (Information and Communication Technologies)
- The wider environment

It was said in the first plan of using and disseminating knowledge (D2.2) that identifying the audiences would very much depend on the success of the first 12 months of the project.

Now that the project lifetime is close to its end, we notice that we manage to keep some audiences and develop specific messages to each of them. Current targets are so:

- doctors,
- scientists,
- patient,
- policy makers,
- industry,
- pharmaceutical company,
- and hospitals

### **3.4. MESSAGES AND FUTURE DISSEMINATION**

#### **3.4.1. The channels**

Universities, organisations and research institutes will stay the channels through which the SHARE messages will carry on disseminating. Indeed, such places are gathering diverse audiences and are emphasising the interest among them by raising their participation and awareness.

Non-governmental organizations mainly involved in healthcare research will also be targeted by this dissemination strategy.

#### **3.4.2. The messages**

Since the very start, the project has defined a comprehensive and detailed European R&D roadmap, covering both technology and policy aspects, to guide and promote beneficial EU-wide uptake of HealthGrid technologies and applications into health research, and into healthcare service provision.

The messages were well defined and have always comprised the key objectives and the vision of the project. Moreover they always attempted to be relevant according to the audience.

Message can be gathered in two major parts: one concerning the technical challenges and the other one dealing with the legal and ethical issues.



**Ethical message:**

The legal and ethical aspects need to still well consider in the future. It is important to remember that the ethical principle of autonomy is legally supported by the duty of data protection, which is included into the privacy protection of the European charter of fundamental rights. Thereby, the EU has developed the directive on data protection to promote privacy.

It is important to note in all dissemination work than this legislation will be respected by the healthgrids technology and that it is a major point in the SHARE roadmap.

**Technical aspects messages:**

It is recommended that grid infrastructures tools continue to be made available to applications requiring computing services and data management.

Like for the legal and ethical aspects, some recommendations were already made in the D6.2 as well. They consider:

- more attention should be paid to such initiatives so that they may influence the evolution of the technology to make it better fit the needs of the community.
- it should link certain advanced health domains to an e-science infrastructure

At the same level, by fostering the uptake of grids in the biomedical research and healthcare communities, it has been recommended to:

- do the release of open-source components for medical data interfacing
- build a core reference database of validated experimental and clinical research data extracted from the literature in innovative medicine and to explore whether a grid infrastructure could support this activity
- create a disease-specific European networks towards the establishment of standards, validation of imaging biomarkers, development of regional centres of excellence in innovative medicine and exploration of grid infrastructure to support such activity.

These following recommendations were already mentioned to the roadmap evolution. They consider:

- the active pursuit of standards for the sharing of medical images and electronic health records on the grid within the already existing medical informatics standardisation bodies
- the active pursuit of ontology matching and development for healthgrids

### **3.5. EXTENSION AND RELEVANCE OF THE ROADMAP OUTSIDE OF EUROPE**

Healthcare and biomedical research cannot be any longer restricted or considered at a regional level and should be envisaged only at a global level, as well as threats which could emerge due to the increasing mobility of the worldwide population. Since the creation of the HealthGrid initiative in 2002, Europe has been far in advance compare to the other worldwide regions and it is worth sharing the results of our project with the other as it could save a lot of work and benefit to the whole mankind.

#### **3.5.1. Extension and Relevance of the SHARE Roadmap to the USA**

In close collaboration with the newly created HealthGrid.US Alliance, we'll present the European Roadmap in the USA and start working on an extension for the North America.



### **3.5.2. Extension and Relevance of the SHARE Roadmap to Latin America**

Some of the more active HealthGrid members and SHARE partners, namely UPV among others, are also partner in the EGEE Extension to Latin-America (EELA) project which we will use to disseminate the result of the roadmap and extend its relevance to the whole South America continent.

### **3.5.3. Extension and Relevance of the SHARE Roadmap to Asia-Pacific**

The HealthGrid Association is also member of the newly EU funded EUAsiaGrid project which started on April 1<sup>st</sup> 2008. Thanks to this project it will possible for us to assess the similarities and differences between the various Asian-Pacific countries and Europe.

The SHARE Roadmap will serve as a basis to strengthen collaboration between these two world regions



#### **4. CONCLUSION**

This final plan for using and disseminating knowledge summarises what has been done, what are the results and finally what will be done after the end of the project life time.

Following internal meetings and external demonstrations, the best way to use and disseminate knowledge stays in the best new communication tools such as the internet through the website but also apparently through main publications reported by the scientists involved into the project.