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## Project Communication and Dissemination Plan

### D6.2

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- **\*Deliverable type:**
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  - *RE = Restricted to a group of the specified Consortium,*
  - *PP = Restricted to other program participants (including Commission Services),*
  - *CO= Confidential, only for members of the MobiThin Consortium (including the Commission Services)*
  
- **\*\* Nature of Deliverable:**
  - *P= Prototype,*
  - *R= Report,*
  - *S= Specification,*
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  - *Preliminary,*
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#### **Abstract:**

This objective of this document is to set out the terms of Communication so as of the Use and Dissemination of the knowledge arising from the project. In order to give a cumulative overview of the project's undertaken and planned activities, regular updates should be implemented, leading to a final plan giving a complete view of activities undertaken (exhaustive list of all the papers, contributions to standardization and public demonstrations published or performed within the lifetime of the MobiThin project, it means from January 1<sup>st</sup>, 2008 to June 30<sup>th</sup>, 2010) and describing future route to full use and dissemination of the knowledge

*“The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 216946”*

**Keyword List:** Rules, Procedures, Dissemination, Communication

The **MOBITHIN Project Consortium** groups the following Organizations:

Interdisciplinary Institute for BroadBand Technology vzw	IBBT vzw	BE
T-Systems Enterprise Services GmbH	T-Systems	DE
Prologue Software	Prologue	FR
Interuniversitair Micro-Electronica Centrum vzw	IMEC vzw	BE
NEC Technologies (UK) Ltd	NTUK	UK
Groupe des Ecoles des Télécommunications	GET	FR
JCP-Consult SAS	JCP	FR

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## **Executive Summary**

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In this plan, we intend to set out the terms of Communication so as of the Use and Dissemination of the Knowledge arising from MobiThin project in accordance with the partners interests (Article II.34.1 of the contract). It is an evolving document which will be at least four times updated (June 2009 – D6.3 & June 2010 – D6.4) and at the end of each reporting period (P1 – December 31<sup>st</sup>, 2008 & P2 – December 31<sup>st</sup>, 2009) to give a cumulative overview of the project's undertaken and planned activities;

The final plan for Using and Disseminating the Knowledge that should be provided at the end of the project will also provide information on the future route to full use (exploitation or use in further research) and dissemination of the knowledge.

As a reminder, in projects funded under the Seventh Framework Programme (FP7), Participants are strongly required to use the generated results

This deliverable is divided within 2 main parts:

- *Part I* is dedicated to the MobiThin intended activities within the scope of Communication and Dissemination
- *Part II* is specifying the reporting template for the Plan for Use and Dissemination that will be established at the end of the MobiThin project life.

Being Public, this deliverable will not be updated on this second part: it will be filled in separately, being confidential and restricted to the Consortium and the EC.

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## EDITORIAL Change Management

Version	Date	Editor/Author	Comments
Draft	May 5 <sup>th</sup> , 2008	JCP-Consult	Creation of document.
D1	June 17 <sup>th</sup> , 2008	All	Input during Project meeting
R	June 30 <sup>th</sup> , 2008	JCP-Consult	Finalization of document

## 1. REFERENCES

- [1] Project Contract GA 216946 and Annex II (General Conditions)
- [2] Project Contract - Annex 1 "Description of the Work" (DoW)
- [3] MobiThin Consortium Agreement (CA)
- [4] Rules for Participation (RfP) - Regulation (Ec) No 1906/2006 Of The European Parliament And Of The Council

## 2. DEFINITION

All definitions are listed either in the Annex II – General Conditions to the Grant Agreement – or in the Consortium Agreement.

Some essentials definitions are reminded or complemented below.

**"Confidential Information"** means any and all information that is disclosed or otherwise made available by the disclosing Party to the receiving Party pursuant to the Consortium.

Agreement including, without but not limited to: Background, Sideground and/or Foreground; financial information, such as but not limited to pricing and customer lists; technical information, such as but not limited to research, development, algorithms, procedures, software and know-how; business information, such as but not limited to operations, planning, marketing interests and products.

Such information may be disclosed or made available orally, in written (including but not limited to, fax, e-mail, text message (SMS)) or machine readable format or other tangible including but not limited to raw materials, components, models, prototypes or any tool or equipment whatsoever) or intangible form (including but not limited by visual inspection during any tour of the disclosing Party's facilities or premises).

**"Dissemination"** means the disclosure of foreground by any appropriate means other than that resulting from the formalities for protecting it, and including the publication of foreground in any medium;

**"Use"** means the direct or indirect utilisation of Foreground in further research activities other than those covered by the project, or for developing, creating and marketing a product or process, or for creating and providing a service. Direct utilisation is done by the participant owning the Foreground (e.g. though further research or commercial or industrial exploitation in its own activities) while indirect utilisation is done by other parties (e.g. through licensing).

## **3. PART 1 - MOBITHIN - OVERVIEW AND DESCRIPTION**

### **3.1 EXECUTIVE SUMMARY**

MOBITHIN started on January 1st, 2008 and will end on June 30, 2010.

MOBITHIN is a collaborative project which aims at extending wired thin client solutions to wireless mobile devices.

Thin client solutions (i.e. processing delegated primarily to a remote server) have been extremely successful in wired LAN settings, because of cost reductions, inherent data security and privacy, more efficient use of resources, and ubiquitous data and service access.

Despite the successes in the wired scenario, solutions able to also perform well in a wireless wide area network, still do not exist because of the differences of characteristics in the network and devices. The ambition of MobiThin project is to focus on extending existing wired thin client solutions to wireless mobile devices.

Intelligent distribution of demanding services and all existing legacy applications to mobile devices over state-of-the-art telecommunications network, is a important rationale behind several research initiatives. Major blockers for this efficient high quality service delivery are concerned with the inherent characteristics of the wireless medium, as well with the resource constraints typical for wireless terminals (energy consumption and input-output mechanisms). MobiThin takes this challenge, pursuing thin client based solutions, optimized for wireless wide area networks.

MobiThin – driven by a strong consortium focused on thin client computing - will develop an end-to-end solution, and address all important blockers for the wide adoption of wireless thin client computing paradigm. These include architecture and technology issues (wireless medium optimization, dedicated video codec and user pattern research, software/middleware, performance and energy saving oriented solutions), as well as economic ones (business roles and models). In addition to making scientific and technological progress, the project will demonstrate an integrated prototype for the wireless thin client.

Combined with the existing wired technologies the MobiThin impact is to:

- run your applications EVERYWHERE
- CONNECT mobile and wireless workers
- use every DEVICE on every network

### **3.2 ASSESSMENT OF THE EUROPEAN INTERESTS:**

For successful completion of the project, world-class expertise in quite a variety of technical areas is fulfilled, most notably:

Excellence in thin client solutions [Prologue, IBBT]

Excellence in service delivery over state-of-the-art networks [T-Systems, IBBT]

Excellence in wireless mobile terminals [NTUK, IMEC]

Excellence in wireless transmission protocols and systems [IMEC]

Excellence in image transmission protocols and systems [GET]

Partners of the consortium are well-known on their excellence in their respective area of expertise, leading naturally to a European consortium of industrial partners and research institutes. Finding the right expertises to the degree of excellence needed on the local or national scale is not possible.

In addition, for the project to achieve its full potential impact, embedding in the European research context is a necessity. Liaising with other FP7 projects will be necessary, especially in the areas of

“Networks of the Future”: to ensure that the network solutions and services can host the thin client system, as well as to raise awareness of the telco operators for the thin client potential.

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“Rich media consumption”: to ensure that media-oriented services and applications can be delivered using the MobiThin infrastructure, and to raise awareness of the content/application providers for the MobiThin solutions

### **3.3 EXPECTED PROJECT IMPACT**

**MobiThin** project aims at one single technological breakthrough: thin client protocols on mobile networks. Removing this technological barrier can prove to be of immense impact in a connected mobile world.

This impact will reinforce European industrial leadership, and open up new business opportunities. More specifically, the project claims the following impacts:

- World leadership in a new generation of media technologies providing significantly higher performances in terms of intelligence, scalability, flexibility, speed, capacity, ease of use and cost.
- New and sustainable market opportunities based on converged business models between content, telecom, broadcast and consumer electronics industries. Reinforced European position vis-à-vis global interoperability and standardisation initiatives.

Europe has a solid basis in all necessary technological areas of expertise, and **MobiThin** will use this combined experience to develop the next generation mobile thin client infrastructure.

## **4. COMMUNICATION & DISSEMINATION FORECASTED ACTIVITIES**

### **4.1 GENERALITIES**

Dissemination can be seen as the means (i.e. press releases, conferences, scientific publications, exhibitions, workshops, newsletters, websites, etc.) through which research results are presented to the public.

It is important to notice that official publications in the course of a protection right application (e.g. the compulsory publication of a patent application after its filing) are not considered dissemination. The target of the dissemination may be the general public or a specific group of professionals in a determined sector. An overview on the most successful means of dissemination, as well as useful suggestions on how to arrange an effective communication strategy, can be found at the European Commission “Guide to successful communications” web page.

([http://ec.europa.eu/research/science-society/science-communication/index\\_en.htm](http://ec.europa.eu/research/science-society/science-communication/index_en.htm))

There is no obligation in FP7 to disseminate after the end of the project. However, the Commission may take charge of such obligation at any time, without requiring any authorization from the Participants concerned.

All Documents also need to contain the following specific sentence (or a translation thereof) in the description referring to FP7 funding (*Article 45 RfP – Article II.28.2 of GA*):

***The work leading to this invention has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 216946***

#### **Use of the EU emblem**

The EU emblem may be used only with the prior agreement of the Commission. As the European emblem is protected under article 6ter of the Paris Convention, participants are formally prohibited to register the European emblem, or any sign identical or similar to the European emblem, as a trademark. When participants are allowed to use the European emblem, they should do so in its entire and original form, and always separately from their

own logo or trademark. Once the contractual relationship between a participant and the European Commission has expired, the participant should cease to use the European emblem, and withdraw its representation from any new documentation.

### **Confidentiality and protection**

References: Articles 3 – confidentiality - and 46 - Use and dissemination - of RfP and Articles II.9 and II.30 of GA

Where dissemination of Foreground does not adversely affect its protection and use, there is an obligation to disseminate it swiftly. However, no dissemination of Foreground may take place before a decision is made regarding its possible protection. Indeed, any disclosure, even to a single person who is not bound by secrecy or confidentiality obligations (typically someone from a different organisation outside the consortium), prior to filing for protection, can be considered as constituting a disclosure detrimental to patentability, be it by written (including by e-mail) or oral (e.g. at conferences, or even to a single person) (Article 46.3 RfP – Article II.30.2 of GA).

Evidently, no dissemination at all may take place if it is intended to protect the Foreground as a trade secret (i.e. confidential know-how).

Confidentiality obligations are also detailed in the Consortium Agreement (article 4.3). Any data which is to remain secret should be clearly labelled as confidential and appropriate measures should then be taken by the other participants and the Commission to maintain confidentiality, even after the end of the project.

As a reminder, the Consortium Agreement foresees a period of confidentiality to be five (5) years from the date of termination of the CA, (except for Source code Foreground – 10 years delay) unless one of the exceptions detailed in article 4.3.3 of the CA.

## **4.2 INTENDED ACTIVITIES BY THE CONSORTIUM**

Appropriate, open and efficient communications to publicize the results of the MobiThin project is an important part of the project success.

The aim of MobiThin is to define and implement an end-to-end architecture using the wireless thin-client paradigm, therefore dissemination is considered as a strategic activity in the project.

The dissemination activities that are planned by the project are:

### **4.2.1 International and National Conferences and Workshops**

Project results will be published through articles and papers at various international and national conferences and workshops. There are a huge number of such conferences, thus the partners should keep a critical eye on the quality of these and try to make a qualified selection of appropriate conferences to participate at.

- The targeted events that have been identified are
  - **ICT-MobileSummit 2008** [<http://www.ict-mobilesummit.eu/2008/>]  
10 - 12 June 2008, Stockholm, Sweden
  - **2008 NEM summit** [<http://www.nem-summit.eu/>]  
13-15 October 2008, Saint-Malo, France
  - **ICT-2008 Event**, 25-27 November 2008, Lyon, France  
[[http://ec.europa.eu/information\\_society/events/ict/2008/index\\_en.htm](http://ec.europa.eu/information_society/events/ict/2008/index_en.htm)]
- The following **half-day Workshop** will be organised “Mobile Thin Client” on October 2<sup>nd</sup>, 2008 and will be collocated with the 2nd FP7-FP6 Concertation Meeting to be held in Brussels

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## 4.2.2 Universities and colleges

In total 3 of the partners in the project have close relations to university and colleges. These partners shall ensure that project visions and results are disseminated among educational staff and students. The intention is that project ideas shall be included in different training activities as student projects, incorporation into lectures etc.

## 4.2.3 Dissemination at Concertation and Cluster Meetings

The MobiThin project is committed to Clustering and Concertation meetings and events of the European Union, since it is an opportunity for dissemination and co-ordination. It will be useful for getting our results to be accepted by a broader audience. It also enables us to get feedback from other projects, and is even part of our exploitation, since we want to get results considered for standardization.

Set-up of a specific cluster on wireless thin client if appropriate: this action will be under study together with the investigation of the set-up of an ISG Group on Mobile Thin Client. If created, the ISG would naturally lead to the creation of a cluster.

The targeted events that have been identified are:

- The Future of Internet – [<http://www.fi-bled.eu/general.php>]  
31 March – 4 April 2008, Bled, Slovenia
- 2nd FP7-FP6 Concertation Meeting to be held in Brussels on September 30 & October 1-2, 2008
- The Future Internet Assembly, December 09-10 in Madrid

## 4.2.4 Connections with Technology Platforms

MobiThin partners are active in the technology platforms, and part of the MobiThin dissemination activities will be to contribute and disseminate our results to the platforms activities. Furthermore Mobithin will use the already existing TP dissemination tools to communicate on the Mobithin project results. Technology Platforms that have been identified are NEM and NESSI.

The planned dissemination activities are:

- Contribution to the Strategic research Agenda activities
- Active participation in the planned events that will be organized by the TPs
- Contribution to the TPs dissemination activities

## 4.2.5 Dissemination through other relevant projects

In priority coordination will be sought with the main current initiatives aiming at standardization and unification of middleware solutions, owing to FP6 (projects), and FP7 projects.

- COPRAS does not have successor but the creation of an ISG would not require anymore to link with a SSA on standardization
- One successor of BREAD is EIFEL which supports the FIA, dissemination through the FIA will therefore be done through contributions to the relevant tasks forces.

## 4.2.6 Publications, magazines etc

Relevant publications like technical magazines, IEEE transactions as well as newspapers will be used to disseminate project visions and results. Though we will focus on technical publications, it is assumed to be quite as important to address commercial publication as well as those addressing the general public.

Futhermore the newsletter will be an additional source of dissemination. Again the most efficient solution will be investigated, between contribution to existing newsletters (NEM Newsletter, Broadband Home, ..) and creating a “MobiThin” newsletter: contribution to the NEM Newsletter appears for the time being a good solution.

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### 4.2.7 Project Website

A project website [<http://www.mobithin.eu/homepage.asp>] has been set-up to publicize the work and results produced within the project. This website that is regularly updated with all public information is intended to facilitate contacts and exchanges with other research and industrial initiatives on the relevant topics. This web site will be continuously be kept updated about general public project information, public deliverables and other results that may interest the public.

### 4.2.8 Liaison and dissemination in the appropriate standard bodies

The main contributions that are identified are:

- Creation of an ISG group within ETSI: close contacts have been taken with ETSI to set up an ISG on Mobile Thin Client Paradigm; the project has produced draft Terms of References and Planning for the activity of the ISG. If there is a consensus among ETSI and MobiThin Partners to start this ISG, the reasonable planning is set-up for end 2008 and relevant deliverable for the project end.
- Contribution to MPEG Laser will be a key activity for the project results dissemination; this action will be led by GET which is one of the main contributor in Laser; more particularly contributions are intended on seamless compatibility with Windows and Linux based applications.
- Contribution to IETF on the following project achievements: the following groups are relevant for the project :

“Internet Area “ working groups:

- “IP over IEEE 802.16 Networks”: This WG addresses the inadequacies of low bandwidth wireless communication for user requirements such as high quality data/voice service, wide coverage etc... Their principal objective is to specify the operation of IPv4, IPv6 over IEEE 802.16. MobiThin is addressing an effective, continuous network connection for real-time applications by cross-layer driven control of the parameters on each layer of the protocol stack. The research results could be disseminated to this workgroup.
- “IPv6 over Low Power WPAN”: This WG is concerned with the cooperation between IP technology and low power networks. As MobiThin aims particularly at low-power and resource constrained devices, the research results could be an interesting extension for the activities of this WG.
- “Real-time applications and infrastructure area” :
- “Audio/Video transport”: This WG is concerned with real-time delivery of audio and video and developed the RTP protocol. The new video codecs developed in MobiThin could serve as input for this WG when defining new payload formats. Also the cross-layer control mechanism could be presented to this WG, as they are working on mechanisms needed for efficient control of media and its encoding process in RTP.
- “Media Server Control”. This WG focuses on communication between media servers, which perform media processing at a centralized location (in the network). As MobiThin is particularly interested in the development of a service framework for the application servers (which will also perform video coding), the work could be an interesting input for this WG.

### 4.2.9 National initiatives

Contribution to the French « Pôle de Compétitivité » CAP DIGITAL as dissemination activities will be implemented in the working groups of CAP DIGITAL.

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## **4.3 PARTNER INTERNAL DISSEMINATION**

All partners in the project will disseminate project results internally in their organizations.

Each partners have detailed their intention of own Use and Dissemination intentions concerning the result(s) they are involved with. This description will be made result by result.

These different parts will be transmitted to the Commission either assembled at the consortium level, or individually by each partner to safeguard confidential matters if necessary (through any appropriate media).

### **4.3.1 Exploitation plans of the participants**

#### **Partner 1: IBBT**

The role of IBBT, as an independent research institute, is to transfer the knowledge built in the MobiThin project to industrial partners for further commercialization the results. IBBT plans to use the results obtained within the project, for further enhancement of its knowledge and competence in the field of distributed network intensive applications, more specifically in the field of thin client computing. The enhanced knowledge and competence obtained through the participation in the MobiThin project, will be exploited and used for participating in new projects and setting up partnerships in other projects, both in the academic and (national and European) industry world. The scientific results will also impact on the education, because the research is performed at the Department of Information Technology (INTEC) of the Ghent University, where INTEC is responsible for Bachelor and Master courses on distributed software and telecommunication networks. IBBT further aims at exploiting the project results through the training of highly qualified engineers in PhD programmes.

#### **Partner 2: T-Systems**

The group of T-Systems which is involved in MobiThin is mainly working as an internal consultant for the different Business Units and the headquarters of Deutsche Telekom. Therefore the results of MobiThin will be used in the mid and long term network strategy of Deutsche Telekom. Usually there are several DT internal projects for the different strategic business units which will make use of the results of research projects like MobiThin. Moreover T-Systems is the representative of Deutsche Telekom in different international standardization bodies, and results of MobiThin will be of impact for the standardization work. Due to the partnership in MobiThin, T-Systems can influence the standardization even more beneficial in the context of the European community.

#### **Partner 3: Prologue**

One of the core pillars of Prologue's strategy is Thin Client Computing, with references throughout the world. MobiThin will complement this existing product line, with a new and complementary product dedicated to Mobility. The existing customer base is already willing to implement Wireless on some demanding scenarios of their existing business applications, especially since they not need to be modified and the value proposition is great. Ground transportation and medical industries customers have already very precise usage scenarios where they want the MobiThin functionalities implemented.

Prologue's board of directors also believes that partnering with Telcos to propose "Wireless Business Applications" on legacy type of applications can open a new era of usage patterns and businesses. Combining the traditional software business with the telco business is - in Prologue's opinion - a new way to address businesses. These views have been shared with major European Telecom operators.

Prologue will look, with the consortium, into patenting opportunities of these technologies as it already did in the past.

#### **Partner 4: IMEC**

The results obtained in the MobiThin Project will be disseminated via the classic communication channels of IMEC. This encompasses publications in several formats: e.g., journal papers, conference papers, newsletters, leaflets, posters, press releases, etc. Presentations at conferences, workshops and seminars will be held. Demonstrations at conference exhibitions will be organized through the IMEC booths. Opportunities for patents

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will of course be considered before publications. The fundamental work within the MobiThin Project will provide a basis for further research and industry-oriented projects in order to develop radio systems optimized with respect to energy consumption with a focus on product development. Obtained results could in particular be valorised in the context of an ongoing Research Program, targeting the development of next-generation reconfigurable radio chipsets in collaboration with several terminal manufacturers.

## **Partner 5: NTUK**

The thin client paradigm is one major option for the future market of terminals for mobile, wireless and wired Next Generation Networks.

NEC as IT and Telecom equipment (network and terminal) manufacturer has a vital interest in identifying and assessing as early as possible the key technologies, with the associated capabilities, performances and constraints to be added to their future products.

NEC Technologies UK (NTUK), as advanced technology design centre for the Mobile Terminal Business Unit, will derive from the knowledge, experience and direct technical outcomes of MobiThin the requirements and architectural design recommendations to the Mobile Terminal Business Unit, thus strengthening our key position as front-runner for NEC terminal business.

These recommendations will allow NEC to be first to market on mobile wireless thin client terminals which are expected to be a major source of business expansion.

By provisioning significant processing resources into the network servers, from one hand, new applications and services can be proposed to the mobile users, and from the other hand, the HW resources requirements of the mobile handset can be relaxed. A new generation of mobile handset products can be envisioned, with lower storage capacity, processing power and battery capacity, inducing lower bills of materials for the handset manufacturers and lower selling cost for the users.

Thin wireless client technology is clearly creating new business opportunities for mobile handset manufacturers, in particular for the future NGN (Next Generation Network) terminals.

The MobiThin project outcomes will then allow NEC to optimize the handset development cost by selecting the right set of requirements and the relevant third parties and providers.

NEC Technologies will also push the experience acquired within MobiThin towards the Solution & Servers Business Unit of NEC, allowing development of the NEC Thin Client related business as well as the expansion of NEC Technologies activities in the area of solutions and servers.

## **Partner 6: GET**

The GET aims at exploiting this project results for both research and educational purposes.

On one hand, the main GET interest is connected to the potential patents (MPEG and beyond) adjacent to this project. An MPEG compression algorithm for light terminals and the collateral theoretical/development achievements can be exploited in any enriched & scalable multimedia content distribution service. With the explosion of mobile terminals and of related software, such a standardized solution is expected to interest the leading companies in the next years, thus also being the starting point for further academic-industrial partnerships.

On the other hand, the novelty of the project and the wide area of competences required in its development would allow new courses in graduate and post-graduate programs in engineering to be delivered.

## **Partner 7: JCP-Consult**

JCP-Consult is not directly involved in the technical activities of the project; however JCP has a strong activity of technical training on advanced technologies like new coding schemes and advanced architecture. JCP-Consult will therefore target to provide advanced training courses to the industry with the results of the MobiThin project. JCP-Consult will also contribute on a free basis and implement their IP Header compression software on the MobiThin system; this will hopefully allow additional perspectives for JCP activities.

## 4.3.2 Dissemination plans of the participants – Forecasts as from July 1<sup>st</sup>, 2008

### Partner 1: IBBT

- Forecasted EVENTS
  - Participation to FP7 Concertation meetings
  - The Future Internet Assembly, December 09-10 in Madrid
  - Participation to NEM 2008 (Saint-Malo) (booth + demo)
  - Participation to ICT 2008 (Lyon) (booth and demo requested)
  - Workshop to be organized in conjunction with the Concertation Meeting on October 2008
- Forecasted PUBLICATIONS & PRESENTATIONS
  - Presentation at NOC 2008
  - Presentation at NEM 2008

### Partner 2: T-Systems

- Forecasted EVENTS
  - Workshop to be organized in conjunction with the Concertation Meeting on October 2008
  - Participation to ICT 2008 (Lyon) (booth and demo requested)

### Participant 3: Prologue

- Forecasted EVENTS
  - Workshop to be organized in conjunction with the Concertation Meeting on October 2008
  - Participation to NEM 2008 (Saint-Malo) (booth + demo)
  - Participation to ICT 2008 (Lyon) (booth and demo requested)

### Participant 4: IMEC

- Forecasted EVENTS
  - Workshop to be organized in conjunction with the Concertation Meeting on October 2008
  - Participation to NEM 2008 (Saint-Malo) (booth + demo)
  - Participation to ICT 2008 (Lyon) (booth and demo requested)

### Participant 5: NTUK

- Forecasted EVENTS
  - Participation to ICT 2008 (Lyon) (booth and demo requested)
  - Depending on the progress of the Thin Client application running over a NEC mobile platform, NTUK will participate to the next Mobile Word Congress (Feb 2009), in Barcelona (booth + demonstration)

## Participant 6: GET

- Forecasted EVENTS
  - Participation to NEM 2008 (contribution submitted)
  - Participation to ICT 2008 (networking session request)
- Forecasted PRESENTATIONS
  - Several demos at MPEG meetings (2009, 2010)
- Forecasted PUBLICATIONS
  - According to the work progress, submission to several international conferences on multimedia content applications; some examples:
    - 1) IEEE Intl. Symposium on Multimedia
    - 2) ICCE 2009 (IEEE Intl. Conference on Consumer Electronics)
    - 3) ICME 2009 (IEEE Intl. Conf. On Multimedia and Expo).

## Participant 7: JCP-Consult

- Forecasted EVENTS
  - Participation to FP7 Concertation meetings
  - Workshop to be organized in conjunction with the Concertation Meeting on October 2008
  - Participation to NEM 2008 (October 2008, Saint-Malo)
  - Participation to ICT 2008 (November 2008, Lyon)
  - The Future Internet Assembly, (December 09-10 in Madrid)

## 5. PART II – TEMPLATE FOR THE USE AND DISSEMINATION PLAN

This plan for Use and Dissemination of foreground (including socio-economic impact and target groups for the results of the research) shall be established at the end of the project and will be distributed on a CONFIDENTIAL LEVEL (restricted to the Consortium and the EC). It should be consistent with the report on societal implications on the use and dissemination of results

The plan will consist of:

- *Section A*

Description of the dissemination measures, including any scientific publications relating to foreground. **Its content will be made available in the public domain** thus demonstrating the added-value and positive impact of the project on the European Community.

- *Section B*

Specifications of the exploitable foreground and provide the plans for exploitation. **It will be kept confidential** and will be treated as such by the Commission.

**Section A (public)**

*This section shall include a list of planned dissemination activities (publications, conferences, workshops, web, press releases, flyers, etc) in free text format. Where Articles have been published in the popular press, please provide a list as well.*

*In addition, please provide a list of scientific (peer reviewed) publications (see Article II.12 of the Grant Agreement) starting with the most important ones, in the table below:*

TEMPLATE A: LIST OF SCIENTIFIC (PEER REVIEWED) PUBLICATIONS, STARTING WITH THE MOST IMPORTANT ONES								
NO.	Title	Main author	Title of the period or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages
1	'Economic transformation in Hungary and Poland'		<i>European Econom</i>	No 43, March 199	Office for Official Publications of the European Communities	Luxembourg	1990	pp. 151 - 167
2								
3								

*With regard to scientific publications published before or after the final report, such details/references and an abstract of the publication must be provided to the Commission at the latest two months following publication. Furthermore, an electronic copy of the published version or the final manuscript accepted for publication shall also be provided to the Commission at the same time for the purpose of publication by the Commission if this does not infringe any rights of third parties.*

**Section B (confidential)**

*The applications for patents, trademarks, registered designs, etc. shall be listed according to the template B1 provided hereafter.*

*The list should, specify at least one unique identifier e.g. European Patent application reference. For patent applications, only if applicable, contributions to standards should be specified.*

<b>TEMPLATE B1: LIST OF APPLICATIONS FOR PATENTS, TRADEMARKS, REGISTERED DESIGNS, ETC.</b>			
Type of IP Rights: Patents, Trademarks, Registered designs, Utility models, etc.	Application reference(s) (e.g. EP123456)	Subject or title of application	Applicant (s) (as on the application)

Please complete the table hereafter:

<b>TEMPLATE B2: OVERVIEW TABLE WITH EXPLOITABLE FOREGROUND</b>					
<b>Exploitable Foreground (description)</b>	<b>Exploitable product(s) or measure(s)</b>	<b>Sector(s) of application</b>	<b>Timetable, commercial use</b>	<b>Patents or other IPR exploitation (licences)</b>	<b>Owner &amp; Other Beneficiary(s) involved</b>
<i>1. New superconductive Nb-Ti alloy</i>	<i>MRI equipment</i>	<i>1. Medical 2. Industrial inspection</i>	<i>2008 2010</i>	<i>A materials patent is planned for 2008</i>	<i>Beneficiary X (owner) Beneficiary Y, Beneficiary Z, Poss. licensing to equipment manuf. ABC</i>

In addition to the table, please provide a text to explain the exploitable foreground, in particular:

- *Its purpose*
- *How the foreground might be exploited, when and by whom*
- *IPR exploitable measures taken or intended*
- *Further research necessary, if any*
- *Potential/expected impact (quantify where possible)*

**Report on societal implications**

Replies to the following questions will assist the European Commission to obtain statistics and indicators on societal and socio-economic issues addressed by projects. The questions are arranged in a number of key themes. As well as producing certain statistics, the replies will also help identify those projects that have shown a real engagement with wider societal issues, and thereby identify interesting approaches to these issues and best practices. The replies for individual projects will not be made public.

**A General Information** *(completed automatically when Grant Agreement number is entered.)*

**Grant Agreement Number:**

**Title of Project:**

**Name and Title of Coordinator:**

**B Ethics**

1. Did you have ethicists or others with specific experience of ethical issues involved in the project?	<input type="radio"/>	Yes
	<input type="radio"/>	No
2. Please indicate whether your project involved any of the following issues (tick box) :	<b>YES</b>	

**INFORMED CONSENT**

• Did the project involve children?	<input type="checkbox"/>
• Did the project involve patients or persons not able to give consent?	<input type="checkbox"/>
• Did the project involve adult healthy volunteers?	<input type="checkbox"/>
• Did the project involve Human Genetic Material?	<input type="checkbox"/>
• Did the project involve Human biological samples?	<input type="checkbox"/>
• Did the project involve Human data collection?	<input type="checkbox"/>

**RESEARCH ON HUMAN EMBRYO/FOETUS**

• Did the project involve Human Embryos?	<input type="checkbox"/>
• Did the project involve Human Foetal Tissue / Cells?	<input type="checkbox"/>
• Did the project involve Human Embryonic Stem Cells?	<input type="checkbox"/>

**PRIVACY**

• Did the project involve processing of genetic information or personal data (eg. health, sex, lifestyle, ethnicity, political opinion, religious or philosophical conviction)	<input type="checkbox"/>
• Did the project involve tracking the location or observation of people?	<input type="checkbox"/>

**RESEARCH ON ANIMALS**

• Did the project involve research on animals?	<input type="checkbox"/>
• Were those animals transgenic small laboratory animals?	<input type="checkbox"/>
• Were those animals transgenic farm animals?	<input type="checkbox"/>
• Were those animals cloning farm animals?	<input type="checkbox"/>
• Were those animals non-human primates?	<input type="checkbox"/>

**RESEARCH INVOLVING DEVELOPING COUNTRIES**

• Use of local resources (genetic, animal, plant etc)	<input type="checkbox"/>
• Benefit to local community (capacity building ie access to healthcare, education etc)	<input type="checkbox"/>

**DUAL USE**

• Research having potential military / terrorist application	<input type="checkbox"/>
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<b>C Workforce Statistics</b>		
<b>3 Workforce statistics for the project: Please indicate in the table below the number of people who worked on the project (on a headcount basis).</b>		
<b>Type of Position</b>	<b>Number of Women</b>	<b>Number of Men</b>
Scientific Coordinator		
Work package leader		
Experienced researcher (i.e. PhD holders)		
PhD Students		
Other		
<b>4 How many additional researchers (in companies and universities) were recruited specifically for this project?</b>		
Of which, indicate the number of men:		
Of which, indicate the number of women:		

D Gender Aspects		
<b>5</b> Did you carry out specific Gender Equality Actions under the project ?	<input type="radio"/> <input type="radio"/>	Yes No
<b>6</b> Which of the following actions did you carry out and how effective were they?		
	<b>Not at effec</b>	<b>Very effective</b>
<input type="checkbox"/> Design and implement an equal opportunity policy	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
<input type="checkbox"/> Set targets to achieve a gender balance in the workforce	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
<input type="checkbox"/> Organise conferences and workshops on gender	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
<input type="checkbox"/> Actions to improve work-life balance	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
<input type="radio"/> Other: <input style="width: 150px; height: 15px;" type="text"/>		
<b>7</b> Was there a gender dimension associated with the research content – i.e. wherever people were the focus of the research as, for example, consumers, users, patients or in trials, was the issue of gender considered and addressed?		
<input type="radio"/> Yes- please specify <input style="width: 150px; height: 15px;" type="text"/>		
<input type="radio"/> No		
E Synergies with Science Education		
<b>8</b> Did your project involve working with students and/or school pupils (e.g. open days, participation in science festivals and events, prizes/competitions or joint projects)?		
<input type="radio"/> Yes- please specify <input style="width: 150px; height: 15px;" type="text"/>		
<input type="radio"/> No		
<b>9</b> Did the project generate any science education material (e.g. kits, websites, explanatory booklets, DVD)		
<input type="radio"/> Yes- please specify <input style="width: 150px; height: 15px;" type="text"/>		
<input type="radio"/> No		
F Interdisciplinarity		
<b>10</b> Which disciplines are involved in your project? [See drop –down menus]		
<input type="radio"/> Main discipline		
<input type="radio"/> Associated discipline [Menu]	<input type="radio"/>	Associated discipline [Menu]
G Engaging with Civil society and policy makers		
<b>11a</b> Did your project engage with societal actors beyond the research community? (if 'No', go to Question 14)	<input type="radio"/> <input type="radio"/>	Yes No
<b>11b</b> If yes, did you engage with citizens (citizens' panels / juries) or organised civil society (NGOs, patients' groups etc.)?		
<input type="radio"/> No		
<input type="radio"/> Yes- in determining what research should be performed		
<input type="radio"/> Yes - in implementing the research		
<input type="radio"/> Yes, in communicating /disseminating / using the results of the project		
<b>11c</b> In doing so, did your project involve actors whose role is mainly to organise the dialogue with citizens and organised civil society (e.g. professional mediator; communication company, science museums)?	<input type="radio"/> <input type="radio"/>	Yes No

<b>12 Did you engage with government / public bodies or policy makers (including international organisation)</b>			
<input type="radio"/> No <input type="radio"/> Yes- in framing the research agenda <input type="radio"/> Yes - in implementing the research agenda <input type="radio"/> Yes, in communicating /disseminating / using the results of the project			
<b>13a Will the project generate outputs (expertise or scientific advice) which could be used by policy makers</b>			
<input type="radio"/> Yes – as a <b>primary</b> objective (please indicate areas below- multiple answers possible) <input type="radio"/> Yes – as a <b>secondary</b> objective (please indicate areas below - multiple answer possible) <input type="radio"/> No			
<b>13b If Yes, in which fields?</b>			
Agriculture Audiovisual and Media Budget Competition Consumers Culture Customs Development Economic and Monetary Affairs Education, Training, Youth Employment and Social Affairs	Energy Enlargement Enterprise Environment External Relations External Trade Fisheries and Maritime Affairs Food Safety Foreign and Security Policy Fraud Humanitarian aid	Human rights Information Society Institutional affairs Internal Market Justice, freedom and security Public Health Regional Policy Research and Innovation Space Taxation Transport	
<b>13c If Yes, at which level?</b>			
<input type="radio"/> Local / regional levels <input type="radio"/> National level <input type="radio"/> European level <input type="radio"/> International level			

H Use and dissemination		
<b>14</b>	<b>How many Articles were published/accepted for publication in peer-reviewed journals?</b>	
<b>15</b>	<b>How many new patent applications ('priority filings') have been made?</b> <i>("Technologically unique": multiple applications for the same invention in different jurisdictions should be counted as just one application of grant).</i>	
<b>16</b>	<b>Indicate how many of the following Intellectual Property Rights were applied for (give number in each box).</b>	Trademark
		Registered design
		Other
<b>17</b>	<b>How many spin-off companies were created / are planned as a direct result of the project?</b>	
<i>Indicate the approximate number of additional jobs in these companies</i>		
<b>18</b>	<b>Please indicate whether your project has a potential impact on employment, in comparison with the situation before your project:</b>	
<input type="checkbox"/>	Increase in employment, or	<input type="checkbox"/> In small & medium-sized enterprises
<input type="checkbox"/>	Safeguard employment, or	<input type="checkbox"/> In large companies
<input type="checkbox"/>	Decrease in employment,	<input type="checkbox"/> None of the above / not relevant to the project
<input type="checkbox"/>	Difficult to estimate / not possible to quantify	<input type="checkbox"/>
<b>19</b>	<b>For your project partnership please estimate the employment effect resulting directly from your participation in Full Time Equivalent (FTE = one person working fulltime for a year) jobs:</b>	<i>Indicate figure:</i>
	Difficult to estimate / not possible to quantify	<input type="checkbox"/>

<b>I Media and Communication to the general public</b>	
<b>20</b>	<b>As part of the project, were any of the beneficiaries professionals in communication or media relations</b> <input type="radio"/> Yes <input type="radio"/> No
<b>21</b>	<b>As part of the project, have any beneficiaries received professional media / communication training / advice to improve communication with the general public?</b> <input type="radio"/> Yes <input type="radio"/> No
<b>22</b>	<b>Which of the following have been used to communicate information about your project to the general public, or have resulted from your project?</b>
<input type="checkbox"/> Press Release	<input type="checkbox"/> Coverage in specialist press
<input type="checkbox"/> Media briefing	<input type="checkbox"/> Coverage in general (non-specialist) press
<input type="checkbox"/> TV coverage / report	<input type="checkbox"/> Coverage in national press
<input type="checkbox"/> Radio coverage / report	<input type="checkbox"/> Coverage in international press
<input type="checkbox"/> Brochures /posters / flyers	<input type="checkbox"/> Website for the general public / internet
<input type="checkbox"/> DVD /Film /Multimedia	<input type="checkbox"/> Event targeting general public (festival, conference, exhibition, science café)
<b>23</b>	<b>In which languages are the information products for the general public produced?</b>
<input type="checkbox"/> Language of the coordinator	<input type="checkbox"/> English
<input type="checkbox"/> Other language(s)	

**Question 10:** Drop down menu will include the Classification of Scientific Disciplines according to the Frascati Manual 2002 (Proposed Standard Practice for Surveys on Research and Experimental Development, OECD 2002):

#### **FIELDS OF SCIENCE AND TECHNOLOGY**

##### 1. NATURAL SCIENCES

- 1.1 Mathematics and computer sciences [mathematics and other allied fields: computer sciences and other allied subjects (software development only; hardware development should be classified in the engineering fields)]
- 1.2 Physical sciences (astronomy and space sciences, physics and other allied subjects)
- 1.3 Chemical sciences (chemistry, other allied subjects)
- 1.4 Earth and related environmental sciences (geology, geophysics, mineralogy, physical geography and other geosciences, meteorology and other atmospheric sciences including climatic research, oceanography, vulcanology, palaeoecology, other allied sciences)
- 1.5 Biological sciences (biology, botany, bacteriology, microbiology, zoology, entomology, genetics, biochemistry, biophysics, other allied sciences, excluding clinical and veterinary sciences)

##### 2. ENGINEERING AND TECHNOLOGY

- 2.1 Civil engineering (architecture engineering, building science and engineering, construction engineering, municipal and structural engineering and other allied subjects)
- 2.2 Electrical engineering, electronics [electrical engineering, electronics, communication engineering and systems, computer engineering (hardware only) and other allied subjects]
- 2.3. Other engineering sciences (such as chemical, aeronautical and space, mechanical, metallurgical and materials engineering, and their specialised subdivisions; forest products; applied sciences such as geodesy, industrial chemistry, etc.; the science and technology of food production; specialised technologies of

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interdisciplinary fields, e.g. systems analysis, metallurgy, mining, textile technology and other applied subjects)

**3. MEDICAL SCIENCES**

- 3.1 Basic medicine (anatomy, cytology, physiology, genetics, pharmacy, pharmacology, toxicology, immunology and immunohaematology, clinical chemistry, clinical microbiology, pathology)
- 3.2 Clinical medicine (anaesthesiology, paediatrics, obstetrics and gynaecology, internal medicine, surgery, dentistry, neurology, psychiatry, radiology, therapeutics, otorhinolaryngology, ophthalmology)
- 3.3 Health sciences (public health services, social medicine, hygiene, nursing, epidemiology)

**4. AGRICULTURAL SCIENCES**

- 4.1 Agriculture, forestry, fisheries and allied sciences (agronomy, animal husbandry, fisheries, forestry, horticulture, other allied subjects)
- 4.2 Veterinary medicine

**5. SOCIAL SCIENCES**

- 5.1 Psychology
- 5.2 Economics
- 5.3 Educational sciences (education and training and other allied subjects)
- 5.4 Other social sciences [anthropology (social and cultural) and ethnology, demography, geography (human, economic and social), town and country planning, management, law, linguistics, political sciences, sociology, organisation and methods, miscellaneous social sciences and interdisciplinary , methodological and historical SIT activities relating to subjects in this group. Physical anthropology, physical geography and psychophysiology should normally be classified with the natural sciences].

**6. HUMANITIES**

- 6.1 History (history, prehistory and history, together with auxiliary historical disciplines such as archaeology, numismatics, palaeography, genealogy, etc.)
- 6.2 Languages and literature (ancient and modern)
- 6.3 Other humanities [philosophy (including the history of science and technology) arts, history of art, art criticism, painting, sculpture, musicology, dramatic art excluding artistic "research" of any kind, religion, theology, other fields and subjects pertaining to the humanities, methodological, historical and

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