NanoElectronics Roadmap for Europe:
Identification and Dissemination

D7.1	Web-site available on line		
Project :	NEREID H2020- 685559	**Start / Duration:**	16 November 2015 / 36 Months
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ABSTRACT:

The deliverable describes the current status of the NEREID website, which is available online since February 2016 in a rudimentary appearance that provides an efficient platform for the project in its early phase.

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[1] PU = Public; CO = Confidential, only for members of the Consortium (including the EC services).

2 R = Report; R+O = Report plus Other. Note: all "O" deliverables must be accompanied by a deliverable report.

3 eg DX.Y_name to the deliverable_v0xx.   v1 corresponds to the final release submitted to the EC.

[4] Person from the lead beneficiary that is responsible for the deliverable.

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7 Status = "Draft"; "In Review"; "Released".

Introduction

To foster the integration of the NEREID results into expert's knowledge, the NEREID website (https://www.nereid-h2020.eu) has been published as an open access interface explaining purpose and structure of the project, acting as repository of all public documents and information material, with information on dissemination events and an area for comments and suggestions. NEREID's Exploitation and Dissemination Manager will actively foster the integration of other major roadmap initiatives (e.g. ITRS, ECSEL MASRIA,..), related web portals, groups, companies, and research projects into this network, while special attention is paid to the aspect of interdisciplinary knowledge transfer. By including a wide spectrum of such groups, the dissemination platform allows a broad and sustainable visibility also beyond the project's life-time useful for future roadmap activities. The concept is supported by dissemination events, press releases and participations to other related conferences to sensitise the public community to the overall goals.

The web-portal of D-7.1 is the most important step to NEREID's dissemination. It will be extended to an Electronic Dissemination Platform (EDP) during the project's life time. The portal will serve as a centre of excellence, where all parties relevant to the NanoElectronics Roadmap for Europe can connect and exchange knowledge. Basic functionality has already been set up and initial services have been provided. This document gives information about the current status of the website and EDP respectively.

1. NEREID Website

1.1 Entry page

The NEREID entry page gives a quick overview on the project in an abstract and introduces the consortium and the events via the menu items on the left hand side. The entry page is further constructed in a way that important news will be displayed in the main (middle) part of the page in a chronological order. Figure 1 shows the entry page, status as of April 29, 2016.

The *Welcome* contents on the middle-top of the page is '*sticky*', i.e. it stays in that position no matter what additional entries may be added to the lower section. Via a *Read More* button the full text can be accessed.

Below the *Welcome* text NEREID news are displayed in chronological order. All texts are displayed only with the first text segments (the '*teaser*') and a *read more* button. In this way most effectively lots of information can be provided in limited space.

Figure 1 below shows the announcement of the NEREID WP2 Domain Workshop on Beyond CMOS as well as a link to a web site on the workshop with further information.
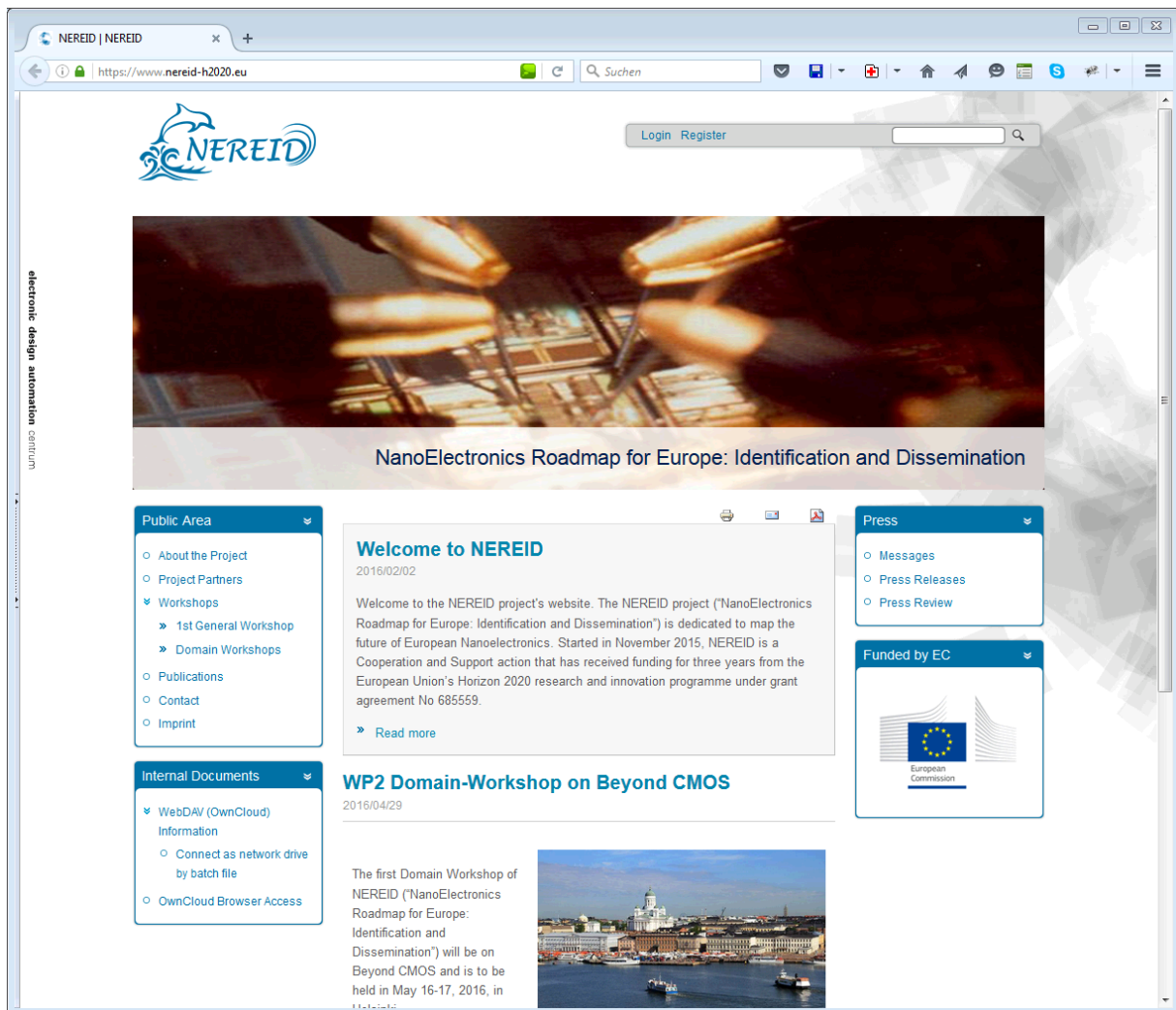
Figure 1: NEREID Entry Page

On the left hand side of the NEREID public appearance the project's abstract and information on actual project partners is provided. The current status of the Web Site further includes menu items for project publications and events (General and Domain Workshops as well as further dissemination events). The following chapters will outline the setup of these items.

1.2 About the project

When referencing the NEREID Web Site for the first time it is important for the visitor to understand what the project is about. If this cannot be achieved quickly, the visitor will probably leave the web site without having understood the overall idea. For this reason, it is important that we inform briefly and precisely. This is done via the project's abstract on a separated page. It is important that all basic ideas are communicated in a condensed form so that page scrolling is not required.

1.3 Project Partners

An overview of the consortium is given in the public area. Each partner provides logo and a link to his company's website. Figure 2 shows the project partner overview in list form with a link button to the company overview.
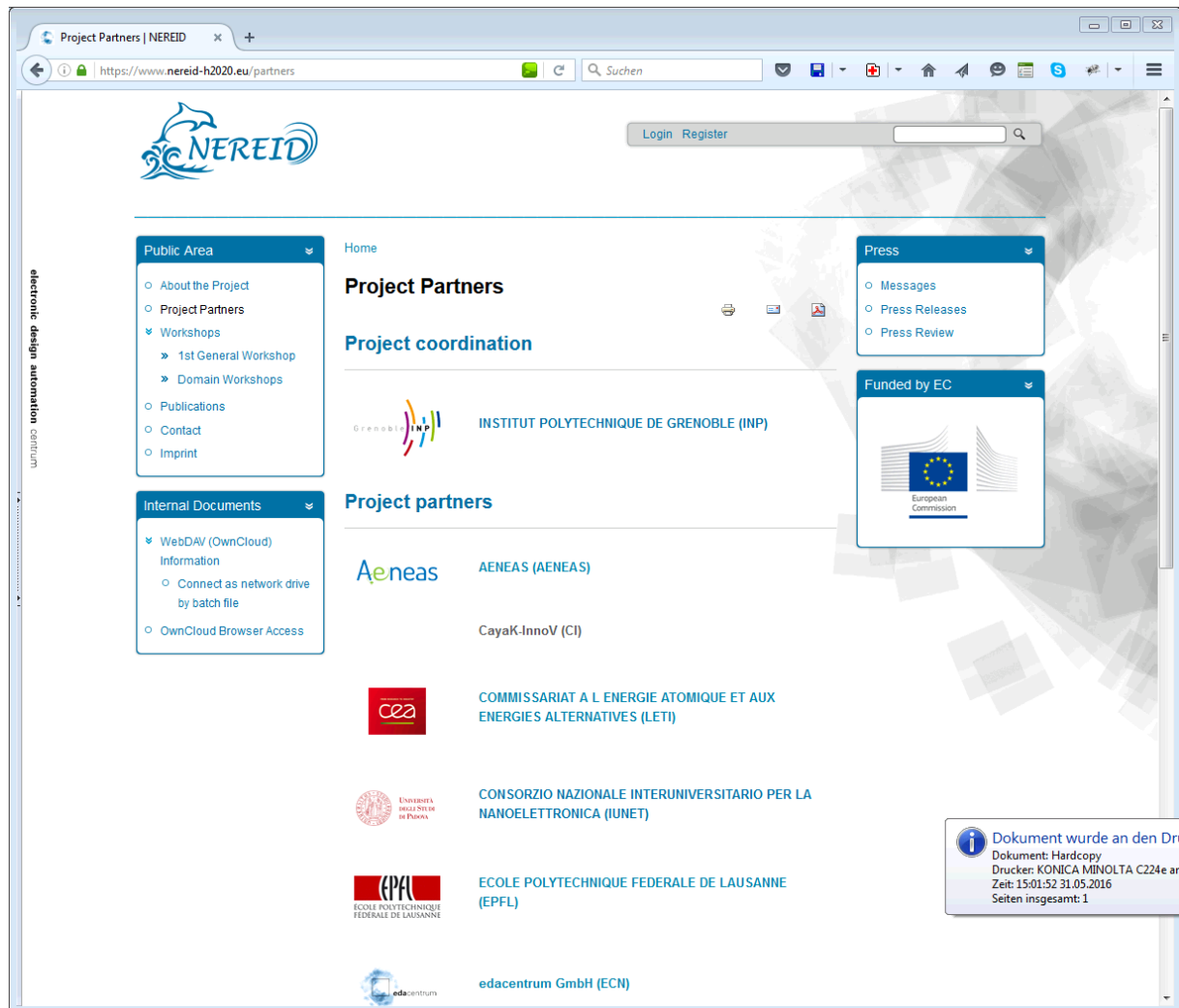

Figure 2: Project Partner Overview

1.4 Events

This area within the web platform lists that events where NEREID is either the host / organizer (NEREID *Events*) or events where NEREID is participating (*External Events*). The *Event* area is already fully functional, as information of past and future events is published as well as an online-registration is supported.

1.4.1 NEREID Events

NEREID events are first and foremost NEREID General Workshops and NEREID Domain Workshops as described in the Grant Agreement.

General Workshops in NEREID will involve all technology sectors, and allow for synergies among different topics and roadmap coordination. Specific application requirements will also be included, based also on the progress of the roadmap and the evolution of technology. These Workshops will build on the consolidated ITRS procedure of having two day meetings with some time dedicated to bilateral meetings among specific domains and plenary sessions to ensure coordination with specific application sectors.

The series of focussed technology-specific Domain Workshops will be organized with domain specific participants and supported by web meetings and web tools. Results will be collected and edited by the respective WP leader, if required with the support of dedicated experts, and made available to all the project community shortly after the date of the Domain Workshop, within one month the latest.

1.4.2 External Events

The External Event sub-menu will be introduced as soon as more external events will have taken place. Currently the page shows the first appearance of NEREID during the European Nanoelectronics Forum in December 2015 in Berlin. Figure 3 shows the current status of the page on external events.
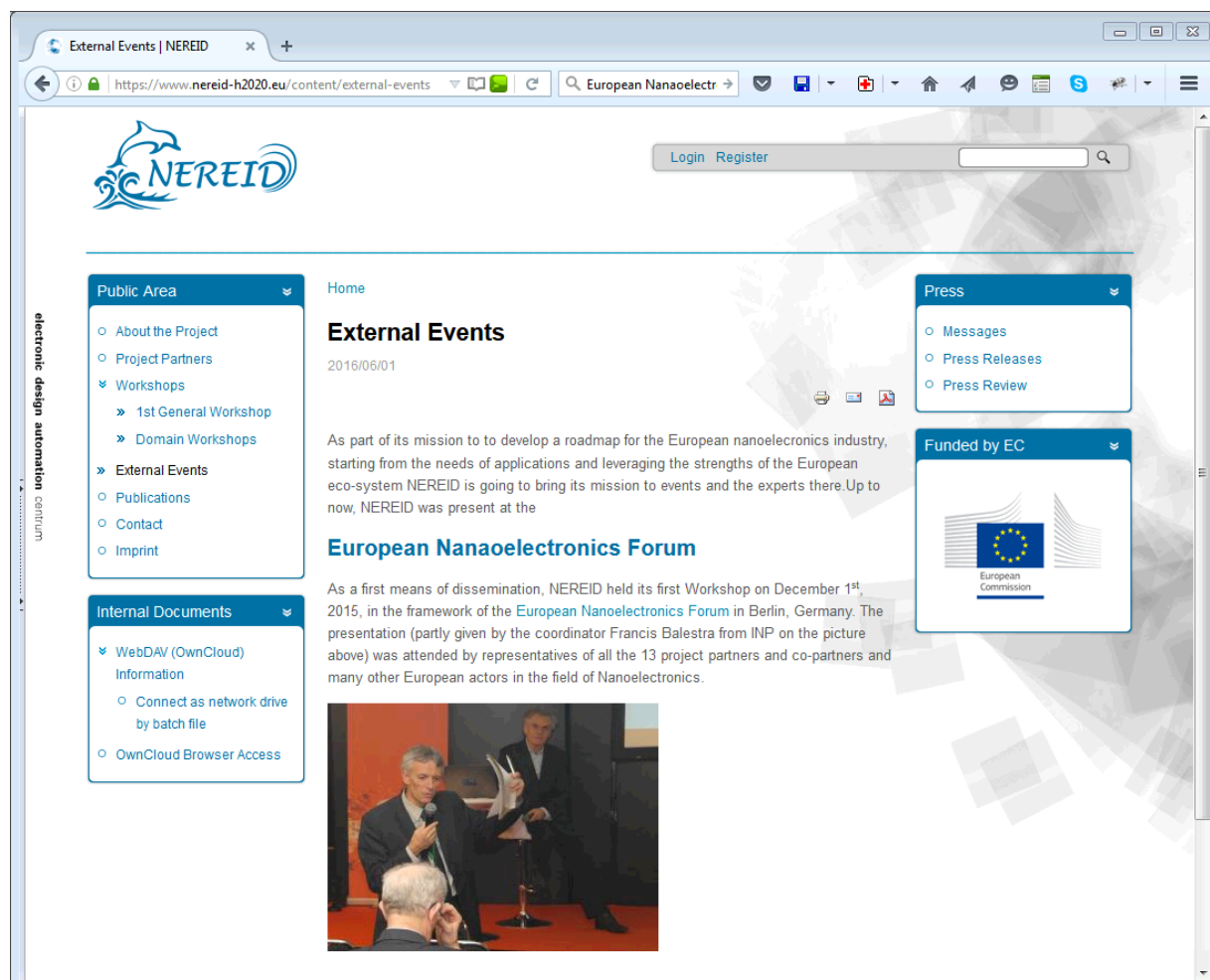

Figure 3: NEREID presenting at European Nanoelectronics Forum

1.5 Press

NEREID's *Press* area differentiates between NEREID initiated press news (*NEREID Press Releases*) and reports of NEREID objectives and impact in the press by other sources.

1.5.1 NEREID Press Releases

During the project's life time as set of press releases are scheduled. In addition to distributing the releases by using professional Press Release Distributors these press releases are also made public on the NEREID web space, directly displayed on the webpage and as download. Figure 4 shows the current appearance with the two press releases published up to now.
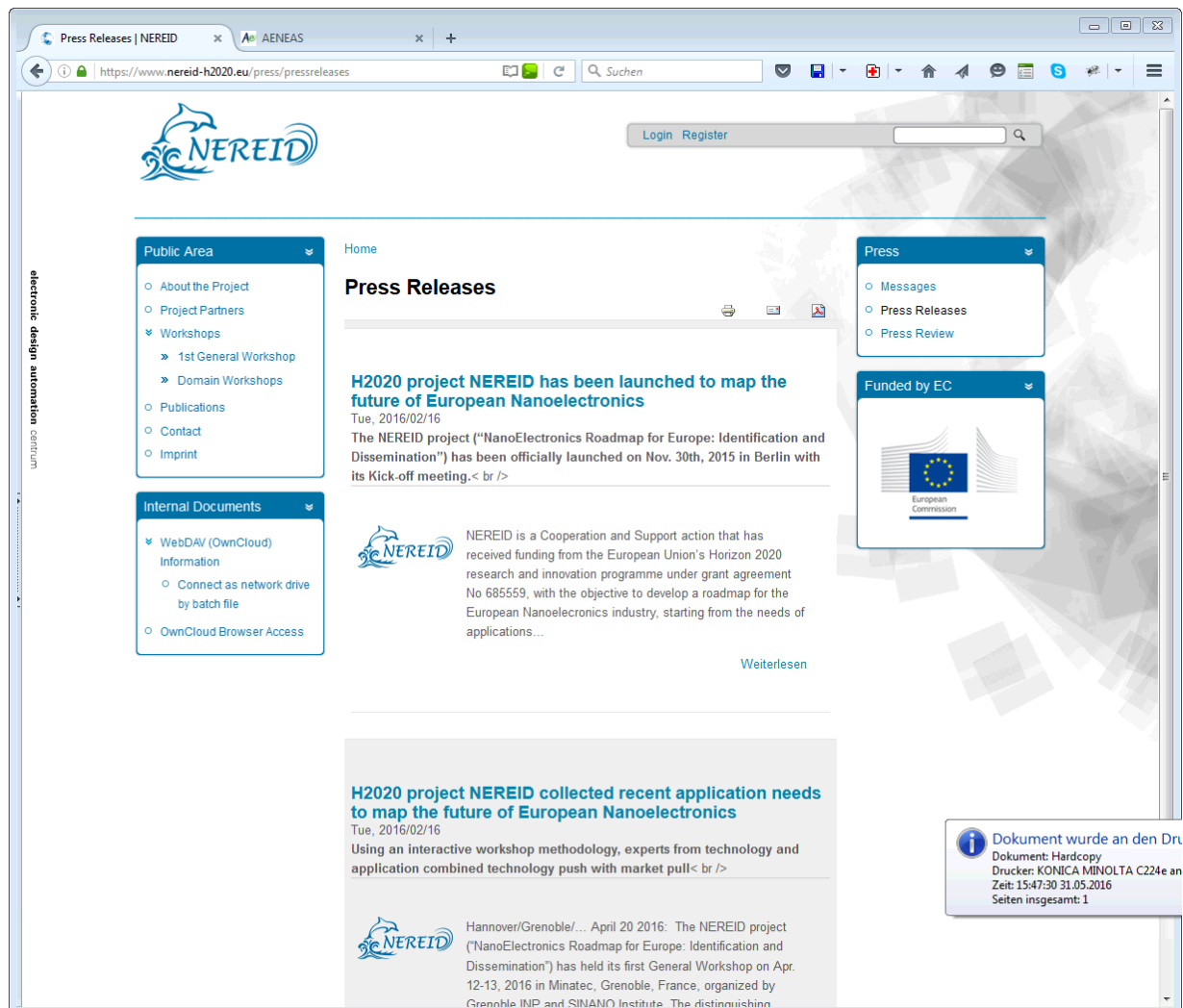

Figure 4: NEREID Press Release Page

1.5.2 NEREID in the Press

ECN is going to monitor the web for references to the project constantly. In addition, all project partners actively identify options to promote the project. Relevant references are presented in two versions, as link to the origin (if static) and as copy, in case the original page vanishes over time. Currently the list of press references to NEREID is still empty.

2.   Extended functionality

The extended functionality of the website comprises an intranet with full document management facilities and flexible role-based access rights to be used as internal discussion forum, for document exchange, minutes of the meetings, draft of roadmaps and in general storage of work in progress. The workspace will offer the possibility of shared editing of working documents (enabling off—line shared editing). It will be implemented as an Electronic Dissemination Platform (EDP) and an Electronic Project Office (EPO).

2.1 Electronic Dissemination Platform (EDP)

2.1.1 Authenticated User

The knowledge of the user's identity is mandatory for the portal to provide additional services like newsletters or polls. The plan is to attract a growing public community to the project so that project achievements are disseminated in an optimal way. The CMS underlying the NEREID Web Portal offers the possibility of highly complex user role management whereas the *Authenticated User* role can be regarded as a generic role that is defined to grant access to specific functions and services of the EDP. *Authenticated Users* are persons that have registered to the portal (i.e. they have a known identity) but do not have access to any of the internal NEREID areas. Further roles can be assigned to the portal user in an add-on manner.

2.1.2 Dedicated Non-Project Partner User Group & Role Structure

The portal allows setting up a system of portal groups and roles to enable the separation of users, which are not project partners into several classes of users. Goal is to have the opportunity to target web content, functions, and services to specific user needs / demands and thus making the NEREID dissemination platform more attractive. If dedicated confidential items (documents, forums, etc.) shall be made available to a certain class of users (e.g. a non-project company that is interested in exploiting project results) this can be easily achieved while leaving the public out. Confidentiality of content can be easily administrated. A web portal can be established where a large user community can be supported while visibility/accessibility of contents is provided in a fine-grained manner depending on the project's requirements.

2.1.3 Public Download Area

The NEREID dissemination platform will provide a public download area. Data available will include public project reports and deliverables, workshop proceedings, a section for keynote videos, research map(s), etc.

2.1.4 Content Distribution Driven by User Interests

The concept of the Electronic Dissemination Platform (EDP) provides measures for the classification of data. On the other hand, the website will allow using a user profile as part of the database that is

accessed by both, the EPO and the EDP. The plan is to set content classification into relation with user profiles. The outcome will enable the user to display portal content according to his / her user profile (i.e. the user 'interest') on demand. This procedure enables the portal user to target the visible portal contents to his / her explicit requirements thus enhancing the NEREID portal attractiveness.

2.2 Electronic Project Office (EPO)

To handle day-to-day project work the NEREID website allows to provide a web-based Electronic Project Office (EPO) to the consortium, which supports the project's administration. The web implementation of this EPO is possible on top of the website. The EPO is set up as a project-internal area where general services and functions are provided to efficiently handle and coordinate all project activities, enabling the project partners to focus on the technical project objectives.

Data access and visibility as well as access to specific EPO functions and services (data distribution, analysis, support of workflow management, etc.) are implemented via effective role and group rights management. Project partner conferences and communication will be supported by web-based functionality to reduce travel to what is indispensable. The EPO is divided into the categories documents, management data, library and user data management. The documents block provides access to the most relevant data of the project. Currently it includes a section to provide templates for presentations and reports, sections to upload publications and presentations and a section with an overview on deliverables. The provided management data contains overviews on past and future meetings, action items, mailing lists and the contact information of all project partners. The library currently remains as an opportunity for extension and the user data management allows managing the user's data including contact information and a technical profile.

3. Conclusion

The website in its current status offers an on-line cooperation platform explaining purpose and structure of the project, acting as repository of all public documents and information material and with information on NEREID and external events. It will be extended by links to other major roadmap initiatives (e.g. ITRS, ECSEL MASRIA,..) and an area for comments and suggestions. Furthermore is comprises an intranet with full document management facilities and flexible role-based access rights to be used as internal discussion forum, for document exchange, minutes of the meetings, draft of roadmaps and in general storage of work in progress.