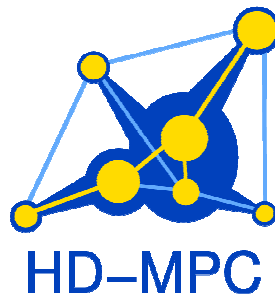


SEVENTH FRAMEWORK PROGRAMME
THEME – ICT
[Information and Communication Technologies]



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Project Acronym:	HD-MPC



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Author(s):	Daniel Rodriguez, Miguel A. Ridao (USE)

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Project co-ordinator

Name: Bart De Schutter

Address: Delft Center for Systems and Control
Delft University of Technology
Mekelweg 2, 2628 Delft, The Netherlands

Phone Number: +31-15-2785113

Fax Number: +31-15-2786679

E-mail: b.deschutter@dcsc.tudelft.nl

Project web site: <http://www.ict-hd-mpc.eu>

Executive Summary

The objective of the Virtual Portal is to permit the communication among HD-MPC partners and to share experiences, documentation and software in a virtual space. Also it must serve as a document repository and distribution tool among all project participants. It must also ensure the privacy requirements of contents. This document describes the requirements for the HD-MPC Virtual Portal.

1 OBJECTIVES

The objective of the Virtual Portal is to permit the communication among HD-MPC partners and to share experiences, documentation and software in a virtual space. Also it must serve as a document repository and distribution tool among all project participants. It must also ensure the privacy requirements of contents.

The Virtual Portal is complementary to the HD-MPC website (see Task 8.1), that will be used mainly to disseminate the public project results: reports, presentations videos, press releases, public databases on benchmarks, etc.

2 REQUERIMENTS

2.1 *Development tools*

The HD-MPC Virtual Portal will be implemented using open-source tools. The use of Content Management Systems will be evaluated (www.opensourcecms.org). It must be optimized to load fast even with today's slowest DSL connections

2.2 *Login security*

Access to the Virtual Portal will be restricted and only authorized users will login the system. Authorized users will be HD-MPC participants, Reviewers and Project Officer. A mechanism to allow login and registration will be implemented.

At least three types of users will access the Virtual Portal with different privileges for modifying or reading the information in the Virtual Portal:

- **Administrator** can create or eliminate sections and the content of every section and is the responsible of authorising and creating new user accounts
- **Contributor**: This user can add new content or modify the existing, i.e. adding a new paper to a list of publications.
- **Read-only user**: This type of user, in general, will have read-only access to the site. Nevertheless, this user will be allowed to contribute to specific sections, as forum participation.

If it is necessary, new user types will be added.

The procedure to create new user accounts will be as follows:

1. Every partner leader will provide a list of the authorised persons for their groups (name and e-mail address) and the type of user (Contributor or Read-only). The idea is to have a reduced number of contributor users in every group.
2. The Administrator will provide username and password for authorized users.

2.3 *Virtual Portal appearance*

Besides the artwork introduced for aesthetical reasons, the logo of European Union and the Framework Programme must be always visible. This also applies to the name of the project and its acronym. Furthermore, a navigation menu must be always visible to access to the contents described so far.

2.4 Content

This section describes the contents that could be included in the HD-MPC Virtual Portal. The objective is to build a practical site to share information among the persons involved in the project, so we plan this Portal as a “live” site where it is possible to include new sections if new needs appear along the Project. Some of the most complex sections listed below will not be available at the launching of the Virtual Portal. The planned sections are:

2.4.1 Directory

A directory of all the researchers working in the project, contact information (e-mail, telephone number...) with a link to their list of publications (see below).

2.4.2 Deliverables and project documentation

The deliverables produced in the project will be organized in this section. The public deliverables will be also published in the HD-MPC website. Also draft version of deliverables will be included in this section during the elaboration period of time, in such a way that the deliverable contributors will always have access to the most recent draft version.

2.4.3 Publications

A list of work or papers related to the project. This list will be organized by authors but also by years. For each paper the following information will be available:

- The title, authors and publishing data of the paper.
- A short abstract.
- A bibtex entry.
- A file or a link to where to obtain the paper (Science direct, etc...).

2.4.4 Meetings

This section will include all private information generated in meetings: minutes, slides,...

2.4.5 Software

The objective of this section is to allow sharing of software packages among researchers working on common applications. That includes models (i.e. Simulink or Modelica) (including user documentation) or Matlab code

2.4.6 Events

A Calendar or Event application could also be implemented for meetings and events held under the project. For each meeting it will be included a link to information about participants and available material (slides, etc...).

Also, deliverable deadline events will be considered, not only to be submitted to the European Commission, but internal deadline to contribute to any document.

2.4.7 Forum

An active forum or discussion board will be interesting as an area for open discussion of topics related with HD-MPC. As the Virtual Portal is restricted to authorised users, it is not necessary to define rules and regulations for the forum. Topics will be defined by the consortium, but at the starting point, each one of the work packages will have a discussion topic.

2.4.8 Benchmarking

A special section will be dedicated to the internet tasks programmed in Work Package 6. That includes:

- A web-based model guide to help benchmark proposers.
- Publication of call for proposals
- Publication of benchmark proposals
- Publication of call for exercises
- Publication of exercises results