



**SEVENTH FRAMEWORK PROGRAMME
Research Infrastructures**

**INFRA-2011-2.3.5 – Second Implementation Phase of the European High
Performance Computing (HPC) service PRACE**



PRACE-2IP

PRACE Second Implementation Project

Grant Agreement Number: RI-283493

**D3.1.2
The PRACE-2IP Web Site
*Final***

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Project and Deliverable Information Sheet

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References and Applicable Documents

- [1] <http://www.prace-ri.eu>
 [2] <http://www.prace-ri.eu/PRACE-Activities>
 [3] <http://www.prace-project.eu> (old PRACE website - now linked to www.prace-ri.eu)

List of Acronyms and Abbreviations

CINECA	Consorzio Interuniversitario, the largest Italian computing centre (Italy)
CINES	Centre Informatique National de l'Enseignement Supérieur (represented in PRACE by GENCI, France)
CSC	Finnish IT Centre for Science (Finland)
CSCS	The Swiss National Supercomputing Centre (represented in PRACE by ETHZ, Switzerland)

DEISA	Distributed European Infrastructure for Supercomputing Applications. EU project by leading national HPC centres.
DoW	Description of Work
EC	European Community
EPCC	Edinburg Parallel Computing Centre (represented in PRACE by EPSRC, United Kingdom)
EPSRC	The Engineering and Physical Sciences Research Council (United Kingdom)
ETHZ	Eidgenössische Technische Hochschule Zuerich, ETH Zurich (Switzerland)
ESFRI	European Strategy Forum on Research Infrastructures; created roadmap for pan-European Research Infrastructure.
FZJ	Forschungszentrum Jülich (Germany)
GCS	Gauss Centre for Supercomputing (Germany)
GENCI	Grand Equipement National de Calcul Intensif (France)
HET	High Performance Computing in Europe Taskforce. Taskforce by representatives from European HPC community to shape the European HPC Research Infrastructure. Produced the scientific case and valuable groundwork for the PRACE project.
HPC	High Performance Computing; Computing at a high performance level at any given time; often used synonym with Supercomputing
IDRIS	Institut du Développement et des Ressources en Informatique Scientifique (represented in PRACE by GENCI, France)
JSC	Jülich Supercomputing Centre (FZJ, Germany)
KTH	Kungliga Tekniska Högskolan (represented in PRACE by SNIC, Sweden)
LRZ	Leibniz Supercomputing Centre (Garching, Germany)
NCF	Netherlands Computing Facilities (Netherlands)
PRACE	Partnership for Advanced Computing in Europe; Project Acronym
PRACE-PP	PRACE Preparatory Phase Project
PRACE-RI	PRACE Research Infrastructure
PRACE-1IP	PRACE First Implementation Phase Project
PRACE-2IP	PRACE Second Implementation Phase Project
PSNC	Poznan Supercomputing and Networking Centre (Poland)
STFC	Science and Technology Facilities Council (represented in PRACE by EPSRC, United Kingdom)
Tier-0	Denotes the apex of a conceptual pyramid of HPC systems. In this context the Supercomputing Research Infrastructure would host the Tier-0 systems; national or topical HPC centres would constitute Tier-1
VSB-TUO	Vysoká škola báňská – Technická univerzita Ostrava (Czech Republic)
WP3	Work Package 3 (Dissemination)

Executive Summary

This document describes the creation, current status, future plans and other aspects of the website related to the PRACE Second Implementation Phase Project (PRACE-2IP), as an important part of the dissemination activities carried out in the Work Package 3 (WP3) of PRACE-2IP. The websites of the other projects are covered as well. The aim of the work was to strengthen the role of the PRACE website as the information platform for the PRACE research infrastructure.

1 Introduction

Dissemination is an essential process in the life of the PRACE project and especially now for the PRACE Research Infrastructure (RI). Nowadays it is generally acknowledged that the active web presence plays the key role in the dissemination process, being the central point of all dissemination activities, which are as a rule in some form reflected on the website.

This is the reason why the Description of Work (DoW) of PRACE-2IP-WP3 emphasizes the need to extend the PRACE web presence to reflect the objectives and achievements of PRACE-2IP in a way that is consistent with the outward appearance of the PRACE RI. It has been decided that the central PRACE RI website www.prace-ri.eu should be completed by a new subsection covering the 2IP project. The need for consistency required that the previous implementation phase projects, i.e. the Preparatory Phase (PP) and the First Implementation Phase (1IP), should also obtain corresponding web subsections, as well as possible future projects.

This document covers all important aspects of this task and its completion. Chapter 2 provides information about the goals of the PRACE-2IP website, its motivation, role in the PRACE web presence, its sources, creation process, etc. Chapter 3 describes the structure and contents of the PRACE-2IP website. Chapter 4 provides information about its visibility, visit rate, etc., and outlines some ideas on further development of the project websites.

The document is intended for those readers who are interested in the development of the PRACE web presence. The PRACE web site has undergone great changes recently. Let us recall that it moved from the www.prace-project.eu to www.prace-ri.eu address and many modifications, from fundamental to tiny ones, aimed at improving both its form and contents and at making it more attractive and comfortable for the visitor.

2 Creation and Current Status of the Project Website

The old PRACE web address www.prace-project.eu reflected the beginnings of PRACE, when there was a single project encompassing all PRACE activities. The establishment of the PRACE RI in April 2010 was an opportunity to reshape the content of the PRACE website to a more user oriented content rather than a project oriented one. This brought some structuring: The implementation and consequently the project website have been segmented, and nowadays we distinguish four phases (preparatory, first, second and soon most likely also the third) constituting specific epochs of the work, having some aims, duration, work packages, funding, contributors, etc. The PRACE web address has changed to a more appropriate www.prace-ri.eu.

For an external observer however, this development may be rather difficult to follow, especially when these phases partially overlap. This fact leads to a natural need to provide clear and concise information on the PRACE implementation project phases.

Our first attempt dates back to the time when this context of the work was not sharp enough. We filtered the 1IP and 2IP project proposals to summarize materials. In an internal review the resulting twenty-pages documents of all projects were not regarded as appropriate for publication on the web, from plenty of reasons (partially irrelevant information for the public, difficult structuring, too long for the purpose, etc.) and have been abandoned.

The new version, later brought to publication, was based on the so-called projects' fact sheets, designed for the interested public. We collected the most important data to provide the website visitors with information through which they will have more plastic view of the projects' activities and their interactions. A more detailed description of this material is provided in the next section.

The importance of this part of the PRACE website is reflected in its positioning. This web section can be easily found on the PRACE main (home) page (and also on most other PRACE web pages) in the left menu column, which lists the most important sections of the PRACE web presentation. Figure 1 shows the pertinent part of the left menu. Through the accompanying links, every one can directly proceed to the pages of the individual projects.

The address of the PRACE Implementation Project main page is <http://www.prace-ri.eu/PRACE-Activities>. This page is also a crossroads to the project pages.

The PRACE Implementation Project website was launched on October 20, 2011, thanks to the PRACE web team, Laetitia Baudin in particular.

3 Structure and Contents

The project pages are similar in form and contents. Let us explain their (natural) design on the example of the PRACE-2IP website, the main topic of this report. A screenshot of the page is provided in the Annex in Figure 2.

3.1 Title and Characteristics

The first information after the title is a brief characteristic of the project.

3.2 Project Facts

This section gives the most basic data about the project, including the start date and duration, budget and EC contribution, and grant agreement number.

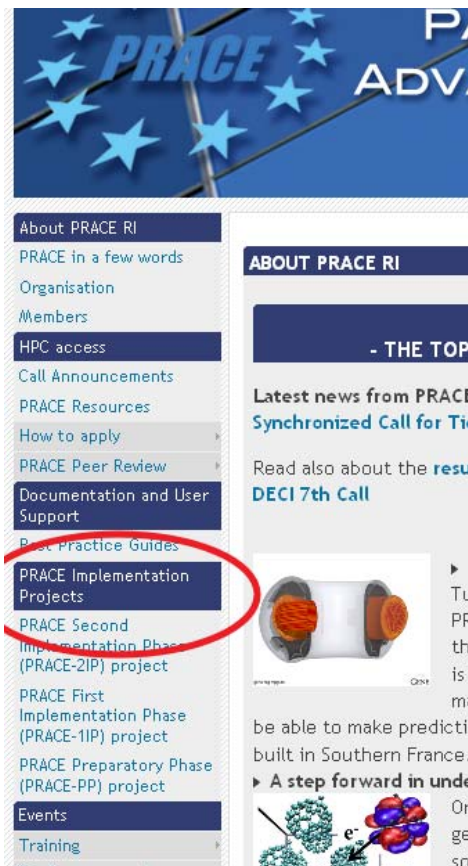


Figure 1: PRACE Implementation Projects in the left menu on the PRACE main website

3.3 Objectives

The aims of the project are summarized in this section. In general, all the implementation projects aim to encourage the PRACE RI, but each project focuses on some specific points which are highlighted in this section.

3.4 Action Plan

This section explains how the objectives mentioned in the previous section should be achieved. In particular, it gives the actions visible to the users of the PRACE infrastructure. In more detail it provides lists of the most important networking, service and joint research activities.

3.5 Collaboration with Other EC Funded Projects

The most important collaborations with related projects with EC funding are listed.

3.6 Project Partners

A list of the PRACE partners taking part in the project.

3.7 Public Deliverables

While the sections introduced above are more or less static, this link provides a section being filled during the project period. It gathers documents with public availability that were created as deliverables by the teams responsible for the work packages, agreeing with the DoW. For the public, this may be the most important part of the presentation, with lot of reports covering various aspects of the projects, therefore the link is situated immediately after the Project Facts. Of course, this material can be downloaded.

4 Evaluation and Future Development

Since its publication, the visit rate of the “PRACE Implementation Projects” section is around 2% of all the website visits and mostly concerns the public deliverables. We expect that this rate will increase with adding more deliverables on the projects’ sites.

While the PP project as well as its web subsection can be considered as finished, the 1IP and 2IP project subsections continue being updated until the end of the phase projects’ lifetime, becoming structured repositories of PRACE public results.

Note that the projects’ websites might host also another material than just deliverables, planned in the DoW. For example, selected press releases pertinent to the projects might be found here in the future, too. On the other hand, deliverables of general importance might be published (also) on some more visible (higher) place, without indicating its relation to a particular implementation project, as it is done e.g. with Best Practice Guides now. In general, practical experience may bring some tuning of the web presentation.

One area, where this tuning is being considered nowadays already, is the propagation of the public results of the projects, especially deliverables, since they are somewhat hidden in the layers of PRACE-RI web "spider-work". Newly added deliverables might be made more visible e.g. through announcements in the News section or as some tiny news in the PRACE Implementation Projects section. Another propagation channel could be a finer RSS subscription mechanism for receiving only novelties on deliverables. (The existing RSS feeds

cover only the whole PRACE website and the Implementation Projects section.) The development in this direction, i.e. towards an agreed workflow for advertising about the results of the projects, will be focused on in the near future.

5 Conclusion

The creation of the PRACE project website subsection is an example how the PRACE web presence is expanded according to the needs of the project. It raises awareness of the PRACE achievements within the European HPC community and provides better information on how the EC funding in this area is utilized. The subsection is now functional, and based on current and future feedback it will be further cultivated.

6 Annex

PRACE Second Implementation Phase (PRACE-2IP) project - [PRACE Research Infrastructure] - SeaMonkey

Home page | Contact | Site Map | Web sites

PARTNERSHIP FOR ADVANCED COMPUTING IN EUROPE

About PRACE RI
 PRACE in a few words
 Organisation
 Members
HPC access
 Call Announcements
 PRACE Resources
 How to apply
 PRACE Peer Review
 Documentation and User Support
 Best Practice Guides
PRACE Implementation Projects
 PRACE Second Implementation Phase (PRACE-2IP) project
 PRACE First Implementation Phase (PRACE-1IP) project
 PRACE Preparatory Phase (PRACE-PP) project
Events
 Training
 Conferences and meetings
 Partners Trainings
Media
 PR Materials
 News
 Documents
 FAQ
 PRACE FAQ

Home page > **PRACE Implementation Projects**

PRACE Second Implementation Phase (PRACE-2IP) project

Twenty one PRACE members participate in PRACE-2IP, which extends and complements the work undertaken in PRACE-1IP.

► **Project facts**
 Start date: 01/09/2011
 Duration: 24 months
 Budget: 35.4 €M
 EC contribution: 18 €M
 Grant agreement number: RI-283493

► **PRACE-2IP Public Deliverables**

► **Objectives**
 The purpose of the PRACE RI is to provide a sustainable high-quality infrastructure for Europe that can meet the most demanding needs of European HPC user communities through the provision of user access to the most powerful HPC systems available worldwide at any given time. In tandem with access to Tier-0 systems, the PRACE-2IP project will foster the coordination between national HPC resources (Tier-1 systems) to best meet the needs of the European HPC user community. To ensure that European scientific and engineering communities have access to leading edge supercomputers in the future, the PRACE-2IP project evaluates novel architectures, technologies, systems, and software. Optimizing and scaling of application for Tier-0 and Tier-1 systems is a core service of PRACE.

► **Action plan**
 PRACE-2IP is organised in twelve interrelated Work Packages that produce the project results in parallel. To structure the work they are grouped in four pillars: Tier-1 integration, Technology & Industry, Applications and Training and Dissemination. Actions directly visible to the users of PRACE include regular training events, scientific conferences and publishing a PRACE magazine focusing on the results from Tier-0 and Tier-1 projects. A special focus will be on the establishment of PRACE Advanced Training Centres (PATC) in Europe. In addition the deployment of additional Tier-0 systems and including Tier-1 systems in the European HPC ecosystem as well as a periodic call for proposals, petascaling of applications and creation of a petascaling guide will be covered by the project.

Call announcements
PRACE Press releases
PRACE Newsletters
Job vacancies

4th CALL FOR PROPOSALS NOW OPEN
Tier-0 and Tier-1
PRACE Project Access
deadline: January 10, 2012

PRACE News
 PRACE awards 91 million processor core hours on the DECI call to 35 projects, new call open
 23 November 2011
 Fourth PRACE Executive Industrial Seminar
 22 November 2011
 PRACE - The European HPC Infrastructure at SC11

Figure 2: The PRACE-2IP project web page