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**PRACE-5IP**

**PRACE Fifth Implementation Phase Project**

**Grant Agreement Number: EINFRA-730913**

**D3.2**

**Communication and Outreach Report Year 1**

***Final***

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## Project and Deliverable Information Sheet

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## Document Status Sheet

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## References and Applicable Documents

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- [2] <http://www.prace-ri.eu/prace-digest/>
- [3] <https://www.enterprisetech.com/2018/04/06/generating-electricity-with-bladeless-wind-turbines-one-household-at-a-time/>
- [4] <https://www.enterprisetech.com/2018/01/05/shape-helps-european-smbs-take-hpc-leap/>
- [5] <http://www.prace-ri.eu/press-materials>
- [6] <http://top500centre.apphb.com>

- [7] <https://www.digitalinfrastructures.eu/>
- [8] [www.prace-ri.eu](http://www.prace-ri.eu)
- [9] <http://www.prace-ri.eu/IMG/pdf/Fact-Sheets-PRACE-Access-Feb-2018.pdf>
- [10] [http://www.prace-ri.eu/IMG/pdf/M1766-Factsheet-MOOCs-CV-111017\\_WEB1.pdf](http://www.prace-ri.eu/IMG/pdf/M1766-Factsheet-MOOCs-CV-111017_WEB1.pdf)
- [11] <http://www.prace-ri.eu/IMG/pdf/BestPracticeGuidesFactsheet.pdf>
- [12] <http://www.prace-ri.eu/media/factsheets/>
- [13] <https://www.youtube.com/user/PRACERI/videos>
- [14] <http://www.prace-ri.eu/outreach-to-universities/>

## List of Acronyms and Abbreviations

aisbl	Association International Sans But Lucratif (legal form of the PRACE-RI)
BoD	PRACE Board of Directors
BSCW	Basic Support for Cooperative Work
BTYTE	BT Young Scientist and Technology Exhibition
CoE	Center of Excellence
CRM	Customer Relationship Management
DoA	Description of Action (formerly known as DoW)
EAGE	European Association of Geoscientists and Engineers
EC	European Commission
ESFRI	European Strategy Forum on Research Infrastructures
EUCYS	European Contest for Young Scientists
EXDCI	European Extreme Data and Computing Initiative
GÉANT	Collaboration between National Research and Education Networks to build a multi-gigabit pan-European network. The current EC-funded project as of 2015 is GN4.
HPC	High Performance Computing; Computing at a high performance level at any given time; often used synonym with Supercomputing
ICRI	International Conference on Research Infrastructures
ISC	International Supercomputing Conference; European equivalent to the US based SCxx conference. Held annually in Germany.
MB	Management Board (highest decision making body of the project)
MOOC	Massively open online Course
MoU	Memorandum of Understanding.
NDA	Non-Disclosure Agreement. Typically signed between vendors and customers working together on products prior to their general availability or announcement.
OPC	Organisation and Programme Committee
PA	Preparatory Access (to PRACE resources)
PATC	PRACE Advanced Training Centres
PMO	PRACE Project Management Office
PRACE	Partnership for Advanced Computing in Europe; Project Acronym
PRACE 2	The upcoming next phase of the PRACE Research Infrastructure following the initial five year period.
PRIDE	Project Information and Dissemination Event
PTC	PRACE Training Centre
RI	Research Infrastructure
SC	Supercomputing Conference
SHAPE	PRACE SME HPC Adoption Programme in Europe
SOR	International Symposium on Operations Research in Slovenia
STEM	Science, Technology, Engineering and Mathematics
TB	Technical Board (group of Work Package leaders)
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
TNC	TERENA Networking Conference
WHPC	Women in HPC
WP	Work Package

### List of Project Partner Acronyms

BADW-LRZ	Leibniz-Rechenzentrum der Bayerischen Akademie der Wissenschaften, Germany (3 <sup>rd</sup> Party to GCS)
BILKENT	Bilkent University, Turkey (3 <sup>rd</sup> Party to UYBHM)
BSC	Barcelona Supercomputing Center - Centro Nacional de Supercomputacion, Spain
BaSToRC	Computation-based Science and Technology Research Center, Cyprus
CCSAS	Computing Centre of the Slovak Academy of Sciences, Slovakia
CEA	Commissariat à l’Energie Atomique et aux Energies Alternatives, France (3 <sup>rd</sup> Party to GENCI)
CESGA	Fundacion Publica Gallega Centro Tecnológico de Supercomputación de Galicia, Spain, (3 <sup>rd</sup> Party to BSC)
CINECA	CINECA Consorzio Interuniversitario, Italy
CINES	Centre Informatique National de l’Enseignement Supérieur, France (3 <sup>rd</sup> Party to GENCI)
CNRS	Centre National de la Recherche Scientifique, France (3 <sup>rd</sup> Party to GENCI)
CSC	CSC Scientific Computing Ltd., Finland
CSIC	Spanish Council for Scientific Research (3 <sup>rd</sup> Party to BSC)
CYFRONET	Academic Computing Centre CYFRONET AGH, Poland (3 <sup>rd</sup> Party to PNSC)
EPCC	EPCC at The University of Edinburgh, UK
ETHZurich (CSCS)	Eidgenössische Technische Hochschule Zürich – CSCS, Switzerland
GCS	Gauss Centre for Supercomputing e.V.
GENCI	Grand Equipement National de Calcul Intensiv, France
GRNET	Greek Research and Technology Network, Greece
INRIA	Institut National de Recherche en Informatique et Automatique, France (3 <sup>rd</sup> Party to GENCI)
IST	Instituto Superior Técnico, Portugal (3 <sup>rd</sup> Party to UC-LCA)
IUCC	INTER UNIVERSITY COMPUTATION CENTRE, Israel
IT4I	IT4Innovations National supercomputing centre at VŠB-Technical University of Ostrava, Czech Republic
JKU	Institut fuer Graphische und Parallele Datenverarbeitung der Johannes Kepler Universitaet Linz, Austria
JUELICH	Forschungszentrum Juelich GmbH, Germany
KIFÜ	Governmental Information Technology Development Agency, Hungary
KTH	Royal Institute of Technology, Sweden (3 <sup>rd</sup> Party to SNIC)
LiU	Linkoping University, Sweden (3 <sup>rd</sup> Party to SNIC)
NCSA	NATIONAL CENTRE FOR SUPERCOMPUTING APPLICATIONS, Bulgaria
NTNU	The Norwegian University of Science and Technology, Norway (3 <sup>rd</sup> Party to SIGMA)
NUI-Galway	National University of Ireland Galway, Ireland
PRACE	Partnership for Advanced Computing in Europe aisbl, Belgium
PSNC	Poznan Supercomputing and Networking Center, Poland
RISCSW	RISC Software GmbH
RZG	Max Planck Gesellschaft zur Förderung der Wissenschaften e.V., Germany (3 <sup>rd</sup> Party to GCS)



SIGMA2	UNINETT Sigma2 AS, Norway
SNIC	Swedish National Infrastructure for Computing (within the Swedish Science Council), Sweden
STFC	Science and Technology Facilities Council, UK (3 <sup>rd</sup> Party to EPSRC)
SURFsara	Dutch national high-performance computing and e-Science support center, part of the SURF cooperative, Netherlands
UC-LCA	Universidade de Coimbra, Laboratório de Computação Avançada, Portugal
UCPH	Københavns Universitet, Denmark
UHEM	Istanbul Technical University, Ayazaga Campus, Turkey
UiO	University of Oslo, Norway (3 <sup>rd</sup> Party to SIGMA)
ULFME	Univerza v Ljubljani, Slovenia
UmU	Umea University, Sweden (3 <sup>rd</sup> Party to SNIC)
UnivEvora	Universidade de Évora, Portugal (3 <sup>rd</sup> Party to UC-LCA)
UPC	Universitat Politècnica de Catalunya, Spain (3 <sup>rd</sup> Party to BSC)
UPM/CeSViMa	Madrid Supercomputing and Visualization Center, Spain (3 <sup>rd</sup> Party to BSC)
USTUTT-HLRS	Universitaet Stuttgart – HLRS, Germany (3 <sup>rd</sup> Party to GCS)
WCNS	Politechnika Wroclawska, Poland (3 <sup>rd</sup> Party to PNSC)



## Executive Summary

This deliverable entitled “D3.2 - Communication and Outreach Report Year 1” outlines the work carried out in Work Package 3 (WP3) during the eleven months of the period between May 2017 and March 2018 of the PRACE-5IP project. Although PRACE-5IP began in January 2017, WP3 activities in essence started immediately after the end of PRACE-4IP WP3 activities at the end of April 2017. This deliverable also provides an updated dissemination plan for the PRACE-5IP WP3 activities whose course of actions will change as compared to how these have been described in deliverable [1]

Highlights of the reported activities include:

- Publication of the PRACE Digest 2017
- Publication of 10 Standalone Articles
- Publication of 19 Press Releases
- 12 PRACE advertisements on printed publications
- PRACEdays17 participation to the second European HPC Summit Week with an increased participation
- PRACE presence at EAGE 2017, ISC 2017, SOR 2017, DI4R 2017 and SC 2017
- Preparation of website overhaul tender document
- Participation of WP3 partners presenting PRACE at 11 Science Fairs, career fairs, exhibitions at science museums
- Publication of 3 news fact sheets
- Creation and publication of 21 videos
- Launch of the Outreach to Universities Programme

This deliverable is divided into four chapters. Chapter 1 briefly introduces the Work Package and provides a general overview of the work carried out in the reporting period and an overview of the updated dissemination plan for the remaining project activities. Chapter 2 describes in more detail the work carried out in each of the tasks of WP3. Chapter 3 describes in more detail the updated dissemination plan for the remaining project. Chapter 4 presents conclusions.

## 1 Introduction

Work Package 3 (WP3) – Communication, Dissemination, Outreach and Events, of the Fifth Implementation Phase (PRACE-5IP) Project builds on, complements and extends the work carried out during in previous PRACE-IP Projects.

The role of WP3 in PRACE-5IP is to disseminate the activities and results of PRACE, strengthen the brand and corporate image of PRACE, and maintain and expand PRACE outreach.

To fulfil this role, WP3 is divided into three tasks:

- **Task 3.1 - Disseminate the Activities and Results of PRACE**, which disseminates information on the activities and results of PRACE through Task 3.1.1 - Publications and Task 3.1.2 - Events.

- **Task 3.2 - Strengthen the Brand and Corporate Image of PRACE**, which ensures the brand, identity and corporate image of PRACE as the European HPC Research Infrastructure (RI) is strengthened and highlighted. This is carried out by Task 3.2.1 - Website, Task 3.2.2 - Website Hosting, Task 3.2.3 - Database Management (MailerLite), Task 3.2.4 - Promotional Materials and Task 3.2.5 - Transition to PRACE aisbl of all WP3 activities.
- **Task 3.3 - Maintain and Expand Outreach**, which endeavours to reach out to the next generation of HPC experts. The tasks achieving this are Task 3.3.1 - Science Fairs, career fairs, exhibitions at science museums, Task 3.3.2 - Creation of further fact sheets, Task 3.3.3 - Videos and Task 3.3.4 - Outreach to universities.

Marjolein Oorsprong (PRACE aisbl) is the WP3 leader and leads Task 3.1 and Task 3.2. Stelios Erotokritou (CaSToRC), who leads Task 3.3, and Barbara Tóth (KIFU), who leads the Events Team, are both WP3 co-leaders.

This deliverable entitled “D3.2 - Communication and Outreach Report Year 1” outlines the work carried out in Work Package 3 (WP3) during the eleven months of the period between May 2017 and March 2018 of the PRACE-5IP project. Although PRACE-5IP began in January 2017, WP3 activities in essence started immediately after the end of PRACE-4IP WP3 activities at the end of April 2017. This deliverable also provides an updated dissemination plan for the PRACE-5IP WP3 activities whose course of actions will change as compared to how these have been described in deliverable [1].

## 1.1 Overview of Work Package 3 Activities in Reporting Period

During the reporting period, the Publications sub-task (Section 2.1.1) has published the PRACE Digest 2017 (November 2017), 10 standalone articles, 20 press releases, sent 8 info bulletins to PRACE contacts, promoted the activities of other PRACE Work Packages, grew its social media following and advertised PRACE activities in publications on 12 occasions. In parallel, outside the scope of PRACE-5IP but in close linkage, PRACE aisbl is preparing the PRACE 2017 Annual Report for publication in May 2018. The PRACE Digest and the PRACE Annual Report are two publication highlights in each calendar year.

The Events sub-task (Section 2.1.2) organised the PRACEdays17 conference as part of the European HPC Summit Week 2017 in May 2017 in Barcelona, Spain, and is currently preparing PRACEdays18, which will take place on 29, 30 and 31 May 2018 in Ljubljana, Slovenia. Additionally, PRACE was present with a booth at ISC17, SC 2017, 79th EAGE Conference & Exhibition, International Symposium on Operations Research in Slovenia (SOR) 2017, and PRACE aisbl was an organising partner of DI4R 2017. Preparations for PRACE presence at ISC18 are currently ongoing. In addition to presence at events, this sub-task was also responsible for 8 awards which were awarded to prominent scientists.

The Website sub-task (Section 2.2.1) continued to maintain the security, stability and performance of the PRACE website and improve the user experience and placement of new content on the website in various ways. Tender documents for the redesign of the PRACE website have also been prepared.

The Website Hosting sub-task (Section 2.2.2) maintained the operation of the PRACE website and dealt with a minor security incident caused by a malicious plug-in.

The Database Management System MailerLite (Section 2.2.3) was used to store PRACE contact details and send emails informing of PRACE results and activities. The database currently stores the details of 13 446 contacts.

Promotional materials (Section 2.2.4) are now stocked, purchased and distributed by WP3 for various PRACE events, including training events, PRACE presence at conferences, and science fairs.

A transition report will be provided in deliverable D3.3 at the end of the project period.

For Task 3.3, PRACE was present at 11 Science Fairs, career fairs, and exhibitions at science museums (Section 2.3.1), created 3 new fact sheets (Section 2.3.2), published 21 new videos (Section 2.3.3) and launched the Outreach to Universities programme (Section 2.3.4).

WP3 has also engaged in other extra activities (beyond the above tasks) and these are described in Section 2.4.

## **1.2 Overview of Updated Dissemination Plan for the Remaining Project Activities**

Updates to the dissemination plan include more output than originally planned. This includes the production of more videos, attendance to more science fairs and conferences than originally planned, carrying out PRACE Outreach to Universities programme student events in different PRACE member countries, and working towards a similar PRACE Outreach to Industry programme. Further details can be found in Section 3.

## **1.3 Deliverable Overview**

This deliverable structure is as follows. Chapter 2 describes in more detail the work carried out in each of the tasks of WP3. Chapter 3 describes in more detail the updated dissemination plan and the reasons why these updates (compared to their original description in deliverable “D3.1 - Communication and Outreach Update Plan”) are required. Chapter 4 presents conclusions.

## **2 Description of WP3 Activities**

This section describes in detail the activities of WP3 during the reporting period for the following WP3 Tasks and their sub-tasks:

- Task 3.1 - Disseminate the Activities and Results of PRACE
  - Sub-task 3.1.1 Publications
  - Sub-task 3.1.2 Events
- Task 3.2 - Strengthen the Brand and Corporate Image of PRACE
  - Sub-task 3.2.1 Website
  - Sub-task 3.2.2 Website Hosting
  - Sub-task 3.2.3 Database Management – MailerLite

- Sub-task 3.2.4 Promotional Materials
- Sub-task 3.2.5 Transition of all WP3 activities
- Task 3.3 - Maintain and Expand Outreach
  - Sub-task 3.3.1 Science Fairs, career fairs, exhibitions at science museums
  - Sub-task 3.3.2 Creation of further fact sheets
  - Sub-task 3.3.3 Videos
  - Sub-task 3.3.4 Outreach to universities

## 2.1 Disseminate the Activities and Results of PRACE

### 2.1.1 Publications

The publications sub-task includes a number of sub-sub-tasks:

- Sub-sub-task 3.1.1.1 PRACE Digest
- Sub-sub-task 3.1.1.2 Standalone Articles
- Sub-sub-task 3.1.1.3 Press
- Sub-sub-task 3.1.1.4 Press Materials
- Sub-sub-task 3.1.1.5 Advertisements

Details of PRACE-5IP WP3 activities for these sub-sub-tasks for the reporting period are provided in the following sections.

#### 2.1.1.1 PRACE Digest

The PRACE Digest 2017 was prepared in the second half of 2017 and published in November 2017 at the SC 2017 Conference. It is the seventh edition of the PRACE Digest and it can be found with all previous Digests on the PRACE website [2].

This edition features a variety of success stories from the different scientific and industrial fields that PRACE supports. It also includes features success stories from DECI (Distributed European Computing Initiative), the Tier-1 systems supported by PRACE partners around Europe, and an interview with a successful PRACE Summer of HPC student.

Further to the PRACE Digest, the PRACE 2017 Annual Report is being prepared by PRACE aisbl (outside the scope of PRACE-5IP) and will be published in May 2018 at PRACEdays18.

#### 2.1.1.2 Standalone Articles

With the help of INSIGHT Publishers and PRACE partners the following ten standalone articles were created from research whose results were obtained through the use of PRACE resources:

1. February 2018: [New method for calculating electromagnetic effects in weak decay of hadrons](#)
2. February 2018: [SHAPE – Optimized solutions for treating bone fractures will soon be reality](#)
3. November 2017: [Interview: Serge Bogaerts](#)
4. November 2017: [In a spin: studying turbulent flow under rotation](#)

5. October 2017: [Listening to the sound of the universe](#)
6. October 2017: [Crowded cells: how the cellular environment affects the function of proteins](#)
7. October 2017: [Project TopWing published top innovative results in NATURE](#)
8. September 2017: [Smoothing out our notion of turbulence](#)
9. May 2017: [Summer of HPC: An experience to remember](#)
10. May 2017: [CERFACS and CNRS Perform First-Ever Large Eddy Simulation of Instabilities in a Rocket Engine](#)

The above links redirect to the webpage where these articles can be found.

The publication of these standalone articles is separate from the PRACE Digest so as to have a continuous flow of scientific articles which can be used to promote PRACE, access to resources and results. Publication of new articles will continue for the remainder of PRACE-5IP.

### 2.1.1.3 Press Team

The Press Team sub-sub-task is responsible for a number of communication and outreach methods – namely Press Releases, Info Bulletins, Promotion of other PRACE Work Package activities, Internal Graphic Design and Social Media. The activities of these methods for the reporting period are outlined below.

#### Press Releases

During the reporting period, the following 19 press releases seen in Table 1 were published on the PRACE website:

Date	Title	Short Description
08/02/2018	<a href="#">Ada Lovelace 2018 nominations</a>	Nominations open for PRACE Ada Lovelace Award for HPC 2018
26/01/2018	<a href="#">SHAPE 6<sup>th</sup> Call Results</a>	PRACE SHAPE Programme supports two further SMEs
29/11/2017	<a href="#">PRACE@SC17</a>	PRACE concluded an exciting and inspiring week at SC17
16/11/2017	<a href="#">PRACE HPCwire Award</a>	PRACE receives HPCwire Editors' Choice – Top HPC Enabled Scientific Achievement award
15/11/2017	<a href="#">PRACE Council Chair HPCwire Award</a>	PRACE Council Chair Anwar Osseyran awarded HPCwire Readers' and Editors' Choice Awards 2017
06/11/2017	<a href="#">Luxemburg 25<sup>th</sup> Member</a>	Luxembourg 25th country to join PRACE
04/10/2017	<a href="#">PRACE 15<sup>th</sup> Call for Proposals for Project Access</a>	PRACE 15 <sup>th</sup> Call continues to award outstanding research in HPC
03/10/2017	<a href="#">PRACE @ EUCYS</a>	Wrap up: PRACE met future scientists at EUCYS 2017

Date	Title	Short Description
19/09/2017	<a href="#">HPCwire Readers' Choice Awards</a>	Voting has started for 2017 Annual HPCwire Readers' Choice Awards
17/08/2017	<a href="#">PRACE MOOC</a>	PRACE MOOC: discover and learn more about powerful Supercomputers
08/08/2017	<a href="#">SHAPE 5<sup>th</sup> Call Awarded Projects</a>	PRACE SHAPE: 6 innovative SMEs projects get access to PRACE HPC resources
21/06/2017	<a href="#">CHPC MoU</a>	Memorandum of Understanding between CHPC and PRACE
21/06/2017	<a href="#">PRACE ISC Research Poster</a>	PRACE-ISC Research Poster Award 2017
30/07/2017	<a href="#">PRACE @ ISC17 Wrap Up</a>	PRACE@ISC2017 Wrap up
01/06/2017	<a href="#">WISE</a>	Wise e-infrastructures endorse WISE recommendations
17/05/2017	<a href="#">Mars Mania Video Game</a>	Let the Mars Mania begin!
17/05/2017	<a href="#">PRACE-RIST-XSEDE MoU</a>	RIST, PRACE and XSEDE concluded memorandum of understanding on information exchange concerning promotion of use of advanced research computing
12/05/2017	<a href="#">PTCs</a>	PRACE is expanding its training offer with four PRACE Training Centres
02/05/2017	<a href="#">Ada Lovelace Winner 2017</a>	Winner of the 2 <sup>nd</sup> PRACE Ada Lovelace Award for HPC

**Table 1: List of Press releases sent out in reporting period**

The above links redirect to the webpage where these press releases can be found.

Press Releases will continue to be produced as deemed necessary by the PRACE-5IP WP3 team and as requested by the PRACE Board of Directors (BoD), PRACE Project Management Office (PMO) and other PRACE-5IP Work Package members.

### Info Bulletins

Info bulletins were introduced in PRACE-5IP as a way of informing our contacts of PRACE news and activities in a simple email consisting of short text and pictures. During the reporting period, the following info bulletins were sent out, and viewed by the shown number of contacts as seen in Table 2:

Info Bulletin	Date Sent	Number of Unique Views
<a href="#">PRACE Info Bulletin: March 2018</a>	25/03/2018	3672
<a href="#">PRACE Info Bulletin: January 2018</a>	31/01/2018	3089
<a href="#">PRACE Info Bulletin: December 2017</a>	15/12/2017	2731



Info Bulletin	Date Sent	Number of Unique Views
<a href="#">PRACE Info Bulletin: November 2017</a>	30/11/2017	2717
<a href="#">PRACE Info Bulletin: October 2017</a>	31/10/2017	2658
<a href="#">PRACE Info Bulletin: September 2017</a>	29/09/2017	2670
<a href="#">PRACE Info Bulletin: June 2017</a>	02/06/2017	2653
<a href="#">PRACE Info Bulletin: May 2017</a>	12/05/2017	2668

**Table 2: Info bulletins sent and their views**

The above links redirect to an online preview of the info bulletin that was sent out.

### **Promotion of other PRACE Work Package Activities**

As the communication and outreach work package of PRACE, WP3 supports the promotion of the activities of other PRACE Work Packages.

Examples of this are specific MailerLite emails that have been sent to PRACE contacts to promote such activities, mostly PRACE Calls for Proposals. Content for each info bulletin is requested from all Work Packages.

WP3 is also helping WP4 with the promotion of training events. An independent “Training” mailing list was set up – currently including over 4500 contacts – and WP4 has asked and can ask WP3 to send MailerLite emails to these contacts to advertise upcoming Training opportunities.

Furthermore, WP3 helps other Work Packages through:

- Proofreading of any publishable material they create
- Supporting the creation of new publishable materials
- Investigating new ways of promotion their activities, e.g. through contacts with media
- Publishing and organising their results on the PRACE website (such as white papers and best practise guides)
- Promoting these results and activities through fact sheets and at various events

WP3 is currently looking into databases of stock images and stock videos, as a potential support service to other WPs, e.g. for WP4’s MOOCs.

Two examples of articles published by the PRACE SME HPC Adoption Programme in Europe (SHAPE) team with the support of WP3 can be found in [3] and [4].

### **Internal Graphic Design**

Most major graphic design tasks are outsourced by WP3 to professional graphic design companies. The WP3 team though has members who are savvy in graphic design and so for smaller design tasks these people carry out the work for WP3. Examples of such work include the PRACE 2018 wall calendar – one of the main give-aways at the SC 2017 PRACE booth – bag inserts, website icons, website banners, flyers, Summer of HPC certificates, illustrations, maps, posters, etc.

Use of this team of “PRACE designers” capabilities will continue as needed.

## Social Media

In the reporting period, the following engagement on Social Media was recorded:

- Twitter
  - Over 220 Tweets which were retweeted over 550 times
  - Approximately 820 Twitter likes
  - Increase in Twitter followers from 1815 to over 2350
- LinkedIn
  - Increase in LinkedIn followers from 452 to over 614
- YouTube
  - Over 10 000 views on YouTube

### 2.1.1.4 Press Materials

The Press Materials webpage on the PRACE website [5], provides an overview of the available PRACE publications and press material. The available material has been expanded in the reporting period through new fact sheets – details of which will be provided in Section 2.3.2, and the PRACE Digest 2017.

### 2.1.1.5 Advertisements

The following table identifies the 12 advertisements included in various media during the reporting period. Table 3 lists their topic and the date and issue of the publication in which they appeared.

<b>Date and Issue of Publication</b>	<b>Publication</b>	<b>Topic</b>
April/May 2018	Scientific Computing World	SHAPE 7 <sup>th</sup> Call
April/May 2018	Scientific Computing World	PRACEdays18
Feb 2018	The Parliament Magazine	PRACEdays18 & SHAPE 7 <sup>th</sup> Call
Feb/March 2018	Scientific Computing World	PRACEdays18
October 2017	NAFEMS Benchmark	SHAPE 6 <sup>th</sup> Call
December 2017	The Parliament Magazine	PRACEdays18
October 2017	The Parliament Magazine	SHAPE 6 <sup>th</sup> Call – special edition on SMEs
Oct/Nov 2017	Scientific Computing World	PRACE@SC17
August 2017	Open Access Government edition 15	PRACEdays18
Jun/Jul 2017	Scientific Computing World	PRACE@ISC17
29 May 2017	The Parliament Magazine	PRACEdays18
15 May 2017	The Parliament Magazine	PRACEdays18

**Table 3: Adverts included in media over reporting period**

Two examples of such adverts are shown below:

- Figure 1 shows a full page advert was booked in the special theme section SMEs in The Parliament Magazine to promote the PRACE SHAPE programme. Furthermore, in the December issue of the same magazine, the PRACEdays18 advertisement was re-used to promote the open call for contributions and posters.



Figure 1: Example advert

- Figure 2 shows a full page advert was booked in the “Benchmark – the international magazine for engineering designers & analysts from NAFEMS” to promote the 6<sup>th</sup> SHAPE Call.



Figure 2: Example advert

### 2.1.2 Events

PRACE continues to focus on promoting the PRACE-IP projects, and the results of the PRACE-IP projects by being present at the major HPC-related events worldwide. During the reporting period, PRACE has been present at a number of events. These include EAGE 2017, ISC 2017, DI4R 2017, SC 2017 as well as the PRACEdays17 conference which was included in the 2017 European HPC Summit Week.

In this section we provide a short report of each of these and other events PRACE was present in.

### 2.1.2.1 PRACEdays Conference Series

**PRACEdays17** was held in Barcelona, Spain from 16 to 18 May 2017, and was for the second time part of the European HPC Summit Week (EHPCSW) which offered a large number of interesting workshops from different actors in the HPC eco-system. The entire EHPCSW 2017 welcomed more than 350 attendees and 270 of them participated in PRACEdays17 - a significant growth rate in attendance.

The plenary sessions at PRACEdays17 provided the audience with a wide range of keynote presentations: from the European Commission on the European Data Infrastructure (EDI) to an international speaker from China on Innovation of Intelligent Manufacturing Driven by Cloud HPC. Several parallel sessions covered a diversity of HPC related topics from leading speakers from science and industry.

One of the highlights during the plenary session on Wednesday was the signing of a Memorandum of Understanding (MoU) between PRACE, RIST (Japan) and XSEDE (USA).

PRACEdays17 closed with the traditional Award Session for the following awards (more details of which are in Section 2.1.2.4):

- Best Student Poster Award
- Best Poster Award
- Award for Best Industrial Presentation
- Award for Best Scientific Presentation
- PRACE Ada Lovelace Award for HPC





**Figure 3: The group photo of PRACEdays17**

**PRACEdays18** will be held in Ljubljana, Slovenia from 29 to 31 May 2018, again included in the European HPC Summit Week. Preparations for this event are ongoing, with the Call for contributions and posters and for the PRACE Ada Lovelace Award now closed (open until 2 January 2018 and 1 March 2018 respectively). Registrations for attending this event are open and WP3 staff are in the process of preparing the conference booklet and other promotional materials that will be disseminated to participants.

#### *2.1.2.2 International Supercomputing Conference and Exhibition*

The ISC High Performance exhibition and conference is a major event in Europe for the HPC community. **ISC 2017** was held in Frankfurt, Germany from 18-22 June.

PRACE had a booth including a space for the EXDCI project. The booth was officially opened with a welcome from PRACE Managing Director Serge Bogaerts on Monday 19 June. The following 2 days PRACE experts gave short presentations on different PRACE activities to the ISC exhibition visitors. Topics included how PRACE supports industry, an overview of PRACE training activities, the PRACE Peer Review process and a panel discussion on “How Diversity Impacts Horizon 2020 projects.

“STEM students” was the motto for Wednesday 21 June afternoon. The PRACE booth team welcomed two groups of STEM students and they were given an overview of PRACE training and activities for students. The STEM student day concluded with a gala event including keynote

speeches and information desks from the sponsors. PRACE sponsored this new activity at ISC for the first time and provided further information to the students on what PRACE has to offer them.

Figure 4 is a photo of the PRACE booth staff on duty at ISC17.



**Figure 4: PRACE booth staff at ISC17**

At ISC 2017, PRACE also sponsored the PRACE-ISC Research Poster Award 2017 (more details of which are in Section 2.1.2.4), signed a Memorandum of Understanding between PRACE and CHPC and took part in two workshops – the HPC Access Workshop and the PRACE Training Workshop.

**ISC 2018** will also be held in Frankfurt, Germany from 24-28 June and WP3 has already started preparations for this event. PRACE will again have a shared booth with the EXDCI project and the design of the booth has been selected. WP3 will continue with the ISC 2018 preparations, such as selection of promotional material and identifying presentations that can take place at the booth.

#### *2.1.2.3 Supercomputing Conference (SC)*

The annual Supercomputing Conference (SC) is the global HPC event of the year with thousands of participants from all over the world. **SC 2017** was organised in Denver, Utah from 13 to 16 November 2017.

PRACE was present at the exhibition with a booth of 800 square feet, which was shared with the EXDCI project. The layout of the booth was designed to accommodate the numerous mini-presentations that were organised during the exhibition.



Serge Bogaerts, PRACE Managing Director, held a brief and warm welcome talk to open the PRACE booth during the SC17 Exhibition Opening Gala on Monday evening. Next morning Tom Tabor, CEO of Tabor Communications, publisher of HPCwire, presented personally the distinguished HPCwire Readers' and Editors' Choice Award in the category "Outstanding Leadership in HPC" to Prof. Dr. Anwar Osseyran, Chair of the PRACE Council, member of the Executive Board of SURF and CEO of SURFsara, at the PRACE booth. In addition, PRACE was honoured to receive a shared HPCwire Editors' Choice award in the category "Top HPC Enabled Scientific Achievement award".

PRACE opened its presentation space for PRACE-relevant talks as well to several other topics, which were connected to PRACE members and/or to the PRACE Implementation Phase projects. These included presentations dealing with the path to Exascale and a presentation of the EXDCI project among others. The wide range of presentation topics attracted over 600 SC visitors to the PRACE booth, and offered the PRACE team and guest speakers a great opportunity to have inspired discussions with the participants. A number of videos using mobile phones and GoPro cameras were also created and tweeted during the presentations.

In 2017, WP3 came up with a special giveaway for the participants: a wall calendar for 2018, which includes images of PRACE Tier-0 sites and other important aspects of PRACE and the PRACE-IP projects.

For the second time, PRACE was pleased to donate prizes to the SC17 Scavenger Hunt organised by the Students@SC programme. A good opportunity for the PRACE team to interact with undergraduate international students and to inform them about the training & education possibilities in PRACE when they dropped by the PRACE booth during the Scavenger Hunt.

PRACE WP3 will also be present at SC 2018 which will take place in Dallas, Texas, from 11 to 16 November 2018. The PRACE booth space has already been reserved and preparations for SC 2018 will commence in a few months.

#### 2.1.2.4 Awards

In the reporting period, PRACE presented the following awards:

##### At PRACEdays17

- PRACE Ada Lovelace Award for HPC (€1000 cash prize) to Frauke Gräter who works at Heidelberg Institute for Theoretical Studies (HITS) and University of Heidelberg. An interview with Frauke Gräter about this appears in [HPCwire](#)
- PRACE Best Poster Award (€1500 voucher to attend an HPC event or training) was awarded to Felipe Nathan Oliveira (Barcelona Supercomputing Center) for his poster entitled "[Nonlinear electromagnetic stabilization of ITG microturbulence by ICRF-driven fast ions in ASDEX Upgrade](#)"
- PRACE Best Student Poster Award (€1500 voucher to attend an HPC event or training) was for the first time presented, and awarded to Martin Vögele (Max Planck Institute of Biophysics) for his poster entitled "[Finite size effects on the dynamics in simulations of lipid membranes](#)"

- PRACE Best Scientific Presentation Award (€1500 voucher to attend an HPC event or training) was awarded to Alberto Giacomello (Sapienza University of Rome) for his talk entitled “[Robust bioinspired surfaces for underwater operation](#)”
- PRACE Best Industrial Presentation Award (€1500 voucher to attend an HPC event or training) was awarded to Fabien Pierrat (Acobiom) for his talk on “[The MaRS \(Matrix of RNA-Seq\) Project](#)”

### At ISC17

PRACE sponsored the PRACE-ISC Research Poster Award. Serge Bogaerts, PRACE Managing Director, was delighted to present the award on behalf of Erik Lindahl, Chair of the PRACE Scientific Steering Committee (SSC), to Daichi Mukunoki of RIKEN Advanced Institute for Computational Science, Japan. The award was presented during the reception at the ISC Research Poster Award session on Tuesday 20 June 2017, for the poster entitled: “Implementation and Evaluation of 2.5D Matrix Multiplication on K Computer” co-authored by Toshiyuki Imamura. Erik Lindahl commented that “this research work proves a practical very high-performing implementation of a new matrix multiplication algorithm that goes significantly beyond the state of the art”.

### 2017 edition of Summer of HPC

As in previous years, two awards were awarded to Summer of HPC 2017 participants.

The first of these was the “Best Visualisation Award” awarded to Mr. Arnau Miro Jane for his video which is understandable for a lay person’s audience and links to current events such as climate change. The video will be an excellent example to show students who do not have a connection yet to HPC, what powerful tools are currently available, without becoming too technical.

The second award was the “HPC Ambassador Award” and was awarded to Mr. Mahmoud Elbattah who presented himself as a hard worker with a keen interest in various aspects of HPC. Mahmoud showed his enthusiasm for HPC by going above and beyond what was expected from him in the project. He created an extra website [6] with a visualisation that can be used for several purposes. He was an active blogger, and we hope to see more of him in the near future.

Summer of HPC awards will continue in 2018, but as the Summer of HPC programme is now a training activity, the “Best Visualisation Award” will change to another award which WP3 is helping to define.

#### 2.1.2.5 Other Events

In the reporting period, PRACE was also present at the following events:

#### 79th EAGE Conference & Exhibition 2017

The European Association of Geoscientists and Engineers (EAGE) is a global professional, not-for-profit association for geoscientists and engineers with approximately 19,000 members worldwide. It provides a global network of commercial and academic professionals to all members. The association is truly multi-disciplinary and international in form and pursuits.



PRACE was present with a booth at the EAGE exhibition in Paris between 12-15 June 2017, and specifically at its High Performance Computing area. Philippe Segers of GENCI, France presented the various ways industry can obtain access to PRACE HPC resources. Dimitri Komatitsch, CNRS Research Director (DR CNRS) Laboratory of Mechanics and Acoustics, Marseille, France, presented the results he obtained with the support of PRACE. Visitors at the PRACE booth were particularly interested in HPC asking a lot of detailed questions and showing an interest in becoming a user of HPC. Booth staff informed visitors about HPC resources offered by PRACE to academia and industry, and about the various PRACE activities training opportunities.

### **International Symposium on Operations Research in Slovenia (SOR) 2017**

SOR' is the premiere scientific event in the area of operations research, one of the traditional series of the biannual international conferences organized by the Slovenian Society Informatika, Section of Operations Research. It represents a continuity of symposia, which have attracted a growing number of international audience since the first symposium.

WP3 was present with a booth at SOR17 in Bled, Slovenia between 27th – 29th September 2017, and handed out promotional materials and disseminated information about PRACE at the conference.

### **DI4R 2017**

The second edition of the Digital Infrastructures for Research (DI4R) conference was held in Brussels on 30 November and 1 December 2017. Europe's leading e-infrastructures, [EGI](#), [EUDAT](#), [GÉANT](#), [OpenAIRE](#), PRACE and [RDA Europe](#), invited all researchers, developers and service providers for two days of brainstorming and discussions at DI4R under the theme “Connecting the building blocks for Open Science”. For the first time PRACE participated in the Organisation and Programme Committees of this innovative conference.

DI4R 2017 displayed the policies, processes, best practices, data and services that – leveraging today's national, regional, European and international initiatives— are the building blocks of the European Open Science Cloud and European Data Infrastructure.

The conference demonstrated how open science, higher education, and innovators can benefit from these building blocks, and will contribute to advance integration and cooperation between initiatives.

A call for participation for lightning talks, posters and demonstrations was opened and yielded great interest.

## **2.2 The preparations for the 2018 edition are already underway [7]. Strengthen the Brand and Corporate Image of PRACE**

In this section, we describe the activities of sub-tasks which are used to strengthen the Brand and Corporate Image of PRACE. These involve online methods such as maintaining the content and good operation of the PRACE website, maintain and expanding the PRACE contacts database and reaching out to all these contacts through mailing methods as well as the tangible method of the design, order, production, storage, delivery and distribution of PRACE branded promotional materials.

### *2.2.1 Website*

The main responsibility of the PRACE Website Task is to maintain security, stability, performance of the PRACE website [8], while keeping it updated with content, and seeking for new ways to enhance visitors' experience.

During the reporting period, for website technical aspects, this included revoking access for individuals no longer working on tasks, adding new team members, frequently monitoring site operation, and measuring and inquiring about downtimes. To ensure the satisfactory operation and performance levels of the website, regular reviews were carried, to evaluate security, operational risks and risks of low performance. Based on the outcome of this analysis, preventative measures and actions were defined for implementation. Furthermore, occasional errors related to the operation or administration of the website were acted upon promptly, and were resolved, under the detailed control of the Task Leader.

With regards to website content, the web team maintains a spreadsheet of website tasks that need to be carried out, and these get picked up and implemented by members of the web team when they can. On a daily basis, WP3 receives requests for new content to be placed on the PRACE website, and this usually gets handled on the same day that the request comes in. Furthermore, WP3 has implemented a quality control system, where each item that is posted on the PRACE website is reviewed for any HTML errors or inconsistencies, so there is a correct and consistent web posting structure throughout the website. Furthermore, integrations with other PRACE systems, such as the MailerLite contact subscription forms and the PRACE training events calendar, have taken place.

The web team has also helped WP2 in the formulation of the new PRACE data protection policy, in preparation of the implementation of the new GDPR policy, and has also made a thorough analysis of the cookies used on the PRACE website so the PRACE cookie policy could be updated.

The PRACE website is due to undergo a website overhaul by an external provider, and the web team greatly contributed to the tender documents. The tender will ask of potential vendors for the new website to improve on the structuring of content and management processes of the new PRACE website. It should allow visitors to navigate the website intuitively, have a captivating look and feel and provide information to all target groups. Information on the website should be well organised, easy to find, have content of different formats (text, video, downloadable pdfs) relative to the target audience, allow for means of interaction and integration with social media, communication and other PRACE service channels. Furthermore its interface should be optimised for multiple platforms and devices, it should be GDPR compliant and should also be compliant with best practice and new trends in digital communication and web technologies. Potential vendors were contacted with a detailed description of what PRACE wants from them as a redesign.

### *2.2.2 Website Hosting*

The PRACE website is currently hosted by Cines, a third party of PRACE member GENCI based in France. The Cines team also helped in the preparation of the tender documentation for the website overhaul. The hosting contract with Cines is also to be renewed and the web team contributed in the preparation of this document.

On 27 February 2018 potential malicious activity was discovered on the PRACE website. Cines webmasters discovered that the PRACE WordPress instance was altered on 7 July 2014 by a Zero day vulnerability of plugin wysija. A WordPress instance was installed inside prace-ri.eu, and then customised to act as a proxy to an advertising agency (for products like sunglasses). The web service was taken offline while the website was cleaned of this unwanted activity. Full service was restored on 7 March at 12:00 (noon) CET). The back-up page created by KIFÜ was finally not needed.

Although the above activity turned out to be non-malicious (in the sense that no data breach or alterations to online content occurred), it was disturbing that this happened. As a result, more monitoring of the PRACE website content management system and its plugins is being carried out. An analysis of all plugins which the website uses has begun and any plugins deemed unnecessary or suspect will be removed from operation, and replaced with better alternatives.

### 2.2.3 Database Management – MailerLite

The MailerLite system is the current system used as both the PRACE contact management software and the mass mail-out system to these contacts.

Currently it has the following contact lists. Table 4 lists their respective description and number of contacts.

Contact List	Number of Contacts	Description
Outreach to Universities	190	Outreach to Universities contacts that have signed up to receive information on PRACE related student activities (described in more detail in Section 2.3.4).
Events Trainees/Registrants	4501	Registrants for PRACE Training events who have indicated that they want to received information on forthcoming PRACE Training events.
PRACE Tier-0 and Tier-1 Users	1099	PRACE Tier-0 and Tier-1 users to whom information about PRACE systems and PRACE calls may be sent.
Call Announcements Contacts	1160	Contacts who have indicated that they want to receive information about PRACE access calls (Project/DECI/SHAPE calls)
PRACE aisbl List	11174	The general PRACE contact list, with contact details gathered from various events such as ISC and SC conferences. General PRACE emails such as info bulletins are sent to this list.

**Table 4: Contact lists in the PRACE contact management software**

The current number of unique contacts on MailerLite (as a contact can be present on more than one list) is 13 446. Before the May GDPR data protection legislation enforcement date, emails will be

sent to contacts asking them to re-subscribe to PRACE mailing lists and agreeing to the new PRACE GDPR-compliant Data Protection policies.

As described above, different emails are sent to different contact lists, and this has taken place throughout the reporting period when the need arose. In general, WP3 intends to send an info bulletin to the PRACE aisbl list each month and an email to Outreach to Universities contacts every 6 weeks. For other lists, emails are sent when necessary, such as when a call opens or when (a) training event(s) need(s) to be further advertised.

#### 2.2.4 Promotional Materials

PRACE promotional material are handled by IT4Innovations in the Czech Republic and it stocks, distributes and purchases promotional material for general kinds of events. Such events include:

- PRACE Training Events, which include PTC events, Seasonal schools and on-demand events
- WP3 attendance at Science Fairs and Career Festivals
- PRACE attendance at various conferences and Outreach to University Student events
- PRACE attendance at conference exhibitions

In some cases, promotional material is ordered and shipped directly to the event where it will be handed out. This mostly occurs for SC events where the costs are lower to buy directly from USA suppliers instead from European suppliers and having to import material into the USA.

In the reporting period, examples of promotional material handled by WP3 include pens, USBs, umbrellas, travel neck pillows, A5 notepads, fabric bags, backpacks, suitcase straps, highlighters and 2018 PRACE calendars. The Events team regularly lists and discusses ideas for new promotional items, taking into account popularity, uniqueness, usefulness, environmental and social considerations, and price.

#### 2.2.5 Transition of all WP3 activities

The PRACE-5IP WP3 transition report task aims to provide documentation outlining critical information for PRACE-5IP WP3 tasks, which require curation and transfer across the Implementation Phases of the project or to the PRACE aisbl should no subsequent Implementation Phase project take place, for example social media accounts or web hosting information.

A transition report will be provided in deliverable D3.3 at the end of the project period.

### 2.3 Maintain and Expand Outreach

#### 2.3.1 Science Fairs, Career Fairs, Exhibitions at Science Museums

During the reporting period, PRACE WP3 has been present through its partners at the following Science Fairs, career fairs, and exhibitions at science museums as presented in Table 5:

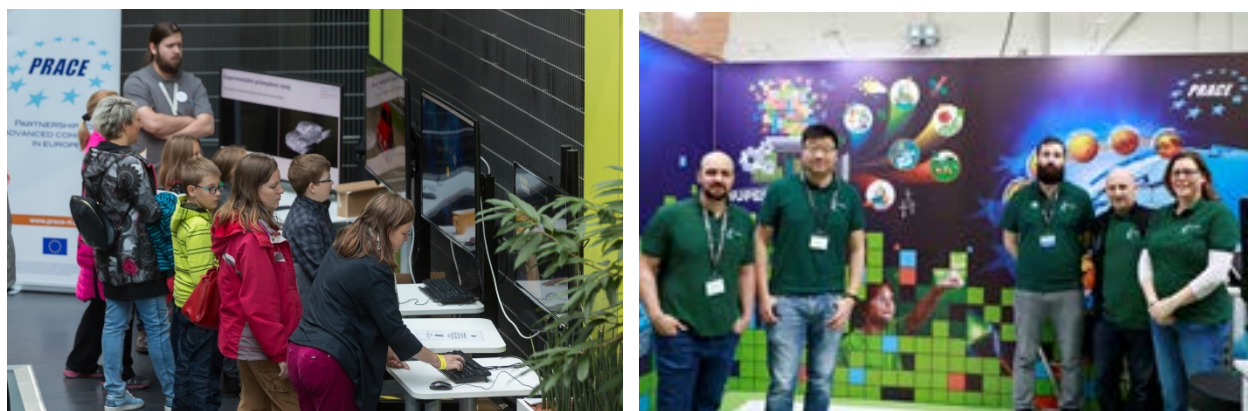
#	Event Type	Title of Event	Location	Date
1	Conference	25 <sup>th</sup> Signal Processing and Communication Applications (SIU)	Antalya, Turkey	15-18 May 2017

#	Event Type	Title of Event	Location	Date
A PRACE booth was set up in a national conference and visitors were informed about PRACE activities during the conference. PRACE promotional materials (brochures, Digest, pens) were also distributed to the participants.				
2	Culture Night	Culture Night 2017 at Dunsink Observatory	Dublin, Ireland	22 September 2017
PRACE was presented to 200 attendees at Dunsink Observatory at the annual Irish 'Culture Night'. Attendees played PRACE games, and fact sheets were distributed.				
3	Science Fair	European Contest for Young Scientists (EUCYS)	Tallinn, Estonia	22-27 September 2017
WP3 participated at the 29 <sup>th</sup> European Union Contest for Young Scientists which was held in Tallinn Estonia from 22 to 27 September. PRACE sponsored the award for best computational project and participated with a booth.				
4	Digital Summit	Tallinn Digital Summit	Tallinn, Estonia	29 September 2017
Ph.D. student Radim Sojka from IT4Innovations, attended the Digital Summit in Tallinn Estonia on 29 September to present a mini-supercomputer and its applications at the PRACE booth in the exhibition area. This event was closely tied to the above, and was organised by the Estonian Presidency of the Council of the European Union, in cooperation with the President of the European Council and the European Commission, to bring together EU heads of state or government on 29 September 2017.				
5	Science Fair	European Researchers' Night	Sofia, Bulgaria	29 September 2017
Presentation within Researchers' Night 2017 on supercomputers as the next microscope for biology, with an accent on the corresponding infrastructure provided by PRACE.				
6	Science Fair	European Researchers' Night	Ostrava, Czech Republic	6 October 2017
IT4I organised a presentation of PRACE during the Researcher's Night. PRACE was introduced to them through the games ParallelRACE, Shooting Stars and Mars Mania.				
7	Career Fair	Trinity College Dublin's Maths & Physics Department's Career fair	Dublin, Ireland	19 October 2017
Promoted PRACE at the ICHEC Booth in the TCD Math & Physics Career Fair. The event represented an opportunity for PRACE to engage with students studying maths and physics who may have interests in pursuing careers in the field of High Performance Computing (HPC) and computational science. At the stand, ICHEC staff talked to students about HPC developments both in Ireland and in Europe, as well as career prospects in different domains. Students were also informed about the upcoming "Summer of HPC" programme in 2018. "Summer of HPC" flyers & PRACE highlighters were distributed during the event.				
8	Science Fair	Science and Technology Week in the Slovak Republic	Bratislava, Slovakia	7 November 2017
Presentation on PRACE activities and potential benefits for Slovak researches was given by Dr. Pitoňák during the event.				
9	Science Fair	BT Young Scientist and Technology Exhibition (BTYSTE)	Dublin, Ireland	11 January 2018
Promoted PRACE at the ICHEC booth in the Exhibition.				

#	Event Type	Title of Event	Location	Date
10	Science Fair	Tieteiden yö	Helsinki, Finland	18 January 2018
Presenting PRACE outreach and game activities to general public and students in the Science night event.				
11	Career Fair	Kariéra 2018, VSB – Technical University of Ostrava	Ostrava, Czech Republic	March 2018
IT4Innovations organised a booth at Kariéra. The fair is held at the VŠB – Technical University of Ostrava for students from the region who are finishing their bachelor, master and Ph.D. studies. It is the largest career fair in the region visited by students of 4 universities of the region as well as other people searching for jobs. PRACE and its activities were presented by IT4Innovations, encouraging students towards further studies in HPC.				

**Table 5: WP3 presence and science fairs and other similar events**

Photos from two of these events follow in Figure 5.



**Figure 5: PRACE presence at science festivals and other events.**

### 2.3.2 Creation of further Fact Sheets

During the reporting period, three new fact sheets were created by this task. These are PRACE Access [9], PRACE Training and Education with MOOCs and CodeVault [10] and PRACE White Papers and Best Practice Guides [11]. The cover pages of the three factsheets are shown in Figure 6.



Figure 6: WP3 new fact sheets

The above fact sheets, along with other fact sheets are used as PRACE promotional at various PRACE events (as described in Section 2.2.4) as can be found at [12].

### 2.3.3 Videos

The videos presented in Table 6 were created and published in the reporting period.

Video	Publication Date	Short Description
<a href="#">PRACE - Supercomputer Piz Daint hosted by CSCS, Switzerland</a>	30 March 2018	The video presents Piz Daint hosted by CSCS.
<a href="#">PRACE - Supercomputer Marconi hosted by CINECA, Italy</a>	13 November 2017	The video presents Marconi hosted by CINECA.
<a href="#">PRACE Training and Education in HPC</a>	31 October 2017	The video gives a brief overview about the different PRACE training and education activities.
<a href="#">2017 PRACE- HPC in Europe</a>	31 October 2017	Short video introducing PRACE and the facilities it offers to European academia and industry.
<a href="#">PRACEdays17 -Interview Khalil Rouhana, Deputy Director-General, DG Connect, European Commission</a>	8 September 2017	Video interview of Khalil Rouhana about PRACEdays17 and the European HPC landscape.
<a href="#">PRACEdays17 Best Poster Award Winner - Felipe Nathan de Oliveira, BSC</a>	6 July 2017	Video interview of the PRACEdays17 Best Poster Award Winner on his work.



Video	Publication Date	Short Description
<a href="#">PRACE Ada Lovelace Award for HPC Winner - Frauke Gräter, HITS and University Heidelberg</a>	6 July 2017	Video interview of the PRACEdays17 PRACE Ada Lovelace Award for HPC Winner on her work.
<a href="#">PRACEdays17 - Interview Minna Palmroth, University of Helsinki, Finland</a>	5 July 2017	Video interview of Minna Palmroth about her keynote talk “Vlasiator: Understanding near-earth space in six Dimensions”
<a href="#">PRACEdays17 - Interview Serge Bogaerts, Managing Director PRACE</a>	5 July 2017	Serge Bogaerts video interview on his view about the outcome of PRACEdays17 among other topics.
<a href="#">PRACEdays17 - Interview Thomas Skordas, Director, DG Connect, European Commission</a>	5 July 2017	Thomas Skordas video interview about different topics like the future challenges of HPC in Europe and the key role of PRACE in the European HPC ecosystem.
<a href="#">PRACEdays17 - Interview Xue-Feng Yuan Guangzhou University, China</a>	5 July 2017	Video interview of Xue-Feng Yuan about his keynote talk “Innovation of Intelligent Manufacturing driven by Cloud HPC”
<a href="#">PRACEdays 17 - Interview with Telli van der Lei, Senior Scientist, DSM</a>	5 July 2017	Video interview of Telli van der Lei about her keynote talk “Quantitative Supply Chain Optimization Using Big-Data Methodologies in the Chemical Industry”
<a href="#">PRACEdays17 - interview Prof Dr Anwar Osseyran, Chair of the PRACE council</a>	5 July 2017	Video interview of Anwar Osseyran, Chair of the PRACE Council who briefly explains the role of the PRACE Council.
<a href="#">PRACEdays17 Highlight video</a>	22 June 2017	A more extended video of some of the major highlights of PRACEdays17.
<a href="#">Summer HPC 2013 - Luna Backes Drault 2017</a>	6 June 2017	Video interview of Luna Backes Draul – a former Summer of HPC participant who went on to continue with HPC related studies.



Video	Publication Date	Short Description
<a href="#">PRACE supports HPC for industry</a>	2 June 2017	Video describing PRACE, and how PRACE supports industry in various ways.
<a href="#">PRACEdays17 - Closing</a>	19 May 2017	Highlights from the last day of PRACEdays17.
<a href="#">PRACEdays17 - Science empowers European industry</a>	17 May 2017	Further highlights from PRACEdays17 including Keynote speakers Xue-Feng Yuan, Nuria Lopez and the MoU between PRACE, RIST, and XSEDE.
<a href="#">Taking off at #PRACEdays17</a>	16 May 2017	Short video showing highlights of the first days of the PRACEdays17.
<a href="#">Getting ready for PRACEdays17</a>	15 May 2017	Short video showing preparations for the PRACEdays17.
<a href="#">PRACEdays17 Warm up</a>	6 May 2017	Short video gearing up towards upcoming PRACEdays17.

**Table 6: Videos created and published in the reporting period**

The above links redirect webpage where these videos can be viewed.

All these videos are available on the PRACE RI YouTube channel [13]

Further to the published videos, work has also been taking place to create more videos:

- WP3 is working in cooperation with a supplier on an animated video to be used for outreach activities (such as science fairs) where the audience do not necessarily have any knowledge of HPC. An introduction of HPC and PRACE will be given in the video. The storyboard and picture frames of the video are set up and the video will be created soon.
- The video set-up for PRACEdays18 has been discussed with the supplier. This will include a number of videos, which will include a warm up video for each conference day, a summary video, a final conference summary video and video interviews (less in number than the number of video interviews created during PRACEdays17).
- A general HPC topic video will be created, using images from awarded projects and interviews with PI's.

#### 2.3.4 Outreach to Universities

The Outreach to Universities webpage [14] was created and launched in the reporting period. The page acts as a one-stop shop for the latest student-centric information, educational opportunities PRACE has to offer. This includes details on:

- The Summer of HPC Programme
- PRACE Training Events

- PRACE MOOCs
- Science and Career Fairs
- Training Portal
- HPC Education in Europe
  - The section of the page directs to another page which list available HPC educational opportunities in Europe
- Games

The page also includes a registration form, where people who are interested in the PRACE Outreach to Universities programme can sign up and receive emails about PRACE student-centric and educational activities. Currently, this list contains 190 people, and over the past months, the following emails were sent to them:

- Apply for the 2018 International Summer School on HPC Challenges in Computational Sciences, sent 22 December 2017
- PRACE Summer of HPC 2018 opens applications, sent 12 January 2018
- Available Educational Opportunities within PRACE, sent 31 January 2018
- PRACE Science Festival Presence, sent 24 March 2018

Outreach to Universities Student Events, where PRACE staff present PRACE, its activities and its student related opportunities, to students at a university have already taken place and future ones are being planned. Some of these will take place at the start of the new academic year to inform students of PRACE student-related events – such as training events, the International HPC Summer School and Summer of HPC so they can apply and attend these activities. The events that have taken place at the moment have been in Ireland, where ICHEC has carried out such events at the University of Limerick and at the Institute of Technology Tallaght. UHeM, the PRACE partner from Turkey where has given and will also give seminars at Eskisehir Anadolu University and Karaman University between March and April 2018, where PRACE and its university student opportunities will be presented.

## 2.4 Other Activities

Additionally to the above activities, WP3 has been engaged in a number of extra activities. These activities are termed as “extra” activities as they were not planned for WP3 in deliverable [1]. These are briefly described below:

- The PRACE Annual Report 2016 was finalised by PRACE aisbl, and was included in the welcome packs of EXDCI final conference.
- The PRACE Annual Report 2017 is currently being prepared by PRACE aisbl and will soon be published and made available online.
- PRACE presence at 11 Science Festivals and career festivals far exceeds the planned presence at 5 of these events as reported in “D3.1 - Communication and Outreach Update Plan”
- The PRACE Mars Mania game was finalised in May 2017 – after work on it began at the end of PRACE-4IP, and the game was first publicised at PRACEdays17.

- PRACE WP3 also acted as a link between PRACE-5IP and PRACE aisbl for communication and dissemination
- PRACE WP3 also acted as a link between EXDCI and PRACE-5IP for the European HPC Summit Week 2018 / PRACEdays18, and for the joint booth at SC 17
- The HPC Focus Magazine published annually by CCSAS, Slovakia, will this year be in English and will contain articles on PRACE and especially interviews with all the students who participated in SoHPC in CCSAS.

### 3 Updated Dissemination Plan for the Remaining Project Activities

In this section we report only on the WP3 activities which have been updated when compared to as these were described in “D3.1 - Communication and Outreach Update Plan”. These are outlined and as follows:

- More videos than originally planned will be created
  - An animated video will also soon be finalised, and if it is a success future videos may be created in this format also.
- Even more PRACE attendance at science fairs than originally planned will be taking place as new opportunities are identified
  - PRACE is due to be present at the Athens Science Festival in April 2018, at the Veletrh vědy Festival, Czech Republic in June, the European night of explorers in Slovakia at the end of September among other such events.
- WP3 will also liaise with MIPRO 2018, SOR 2018 and PRIDE2018 organisers for PRACE booth options.
- PRACE Outreach to Universities programme student events will be taking place as partners have shown a keen interest in carrying these out
- The Outreach to Universities has inspired PRACE to create a similar Outreach to Industries programme, and although this is included in the description of PRACE-6IP, work towards this has already begun.
- WP3 is currently preparing a dissemination strategy to address the EC recommendations. This work is under discussion at PRACE management level. Further details will be provided during the PRACE-5IP Review in June.

## **4 Conclusion**

WP3 activities in the reporting period have progressed very well and in line with the plan set forth in deliverable “D3.1 - Communication and Outreach Update Plan”.

Some tasks have gone above and beyond the planned work of the above deliverable. These include the videos, advertisements and science fairs, career fairs, exhibitions at science museums tasks.

Furthermore, the success of the Outreach to Universities programme has inspired a similar “Outreach to Industry” programme to be set up, and already actions are being taken for this – as a pre-cursor to a PRACE-6IP WP3 Task which will focus on this activity.

WP3 will continue with its activities as these are defined in deliverable “D3.1 - Communication and Outreach Update Plan” and updated in Section 3.