



## **H2020-FETHPC-3-2017 – Exascale HPC ecosystem development**



### **EXDCI-2**

## **European eXtreme Data and Computing Initiative – 2**

**Grant Agreement Number: 800957**

### **D6.2**

## **Second Report on Dissemination Activities**

***Final***

Version: 2.0  
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Date: 17/12/2020

## Project and Deliverable Information Sheet

<b>EXDCI Project</b>	<b>Project Ref. №: FETHPC-800957</b>	
	<b>Project Title: European eXtreme Data and Computing Initiative – 2</b>	
	<b>Project Web Site:</b> <a href="http://www.exdci.eu">http://www.exdci.eu</a>	
	<b>Deliverable ID:</b> D6.2	
	<b>Deliverable Nature:</b> Report	
	<b>Dissemination Level:</b> PU*	<b>Contractual Date of Delivery:</b> 31 / December / 2020
		<b>Actual Date of Delivery:</b> 29 / December / 2020
<b>EC Project Officer:</b> Athanasia-Charalampia Evangelinou		

\* - The dissemination levels are indicated as follows: **PU** – Public, **CO** – Confidential, only for members of the consortium (including the Commission Services) **CL** – Classified, as referred to in Commission Decision 2991/844/EC.

## Document Control Sheet

<b>Document</b>	<b>Title:</b> Second Report on Dissemination Activities	
	<b>ID:</b> D6.2	
	<b>Version:</b> 2.0	<b>Status:</b> <i>Final</i>
	<b>Available at:</b>	
	<b>Software Tool:</b> Microsoft Word 2013	
	<b>File(s):</b> EXDCI-2-D6.2-v2.0.docx	
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## Document Status Sheet

<b>Version</b>	<b>Date</b>	<b>Status</b>	<b>Comments</b>
1.0	11/05/2020	Final version	
1.0	7/12/2020	Updated version due to extension	
2.0	17/12/2020	Final version	Updated with reviewers' comments

## Document Keywords

<b>Keywords:</b>	PRACE, ETP4HPC, Research Infrastructure, dissemination, website, events, workshops, publications, social media, Twitter
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## List of Acronyms and Abbreviations

AISBL	Association Internationale Sans But Lucratif (International Not-for-Profit Association)
BDEC	Big Data and Extreme-scale Computing
BDV	Big Data Value
BoF	Bird-of-a-feather
CoE	Centres of Excellence for Computing Applications
cPPP	contractual Public-Private Partnership
CSA	Coordination and Support Action
D	Deliverable
DG	Directorate General
DoW	Description of Work
EC	European Commission
ECMWF	European Centre for Medium-range Weather Forecasts
EESI	European Exascale Software Initiative
ENES	European Network for Earth System modelling
EPOS	European Plate Observing System
EsD	Extreme scale Demonstrators
EU	European Union
FET	Future and Emerging Technologies
FP7	Framework Programme 7
GDP	Gross Domestic Product
H2020	Horizon 2020 – The EC Research and Innovation Programme in Europe
HPC	High Performance Computing
IDC	International Data Corporation
IESP	International Exascale Software Project
INVG	Istituto Nazionale di Geofisica e Vulcanologia (National Institute of Geophysics and Volcanology)
ISV	Independent Software Vendor
IT	Information Technology
KPI	Key Performance Indicator
M	Month
OS	Operating System
PM	Person Month
Q	Quarter
R&D	Research and Development
R&I	Research and Innovation
RFP	Request for Proposal
ROI	Return on Investment
SHAPE	SME HPC Adoption Programme in Europe

SHS	Social and Historical Sciences
SME	Small and Medium Enterprise
SRA	Strategic Research Agenda
SWOT	Strengths, Weaknesses, Opportunities and Threats
TRL	Technology Readiness Level
US	United States
WG	Working Group
WP	Work Package



## Executive Summary

This deliverable entitled “D6.2 – Second Report on Dissemination Activities” outlines the work carried out in Work Package 6 (WP6) during the second year of the EXDCI-2 project. As the entire project, including its extension, is 34 months long, the “second year” reported here will cover months 15 through 34, corresponding to the period between **May 2019 and December 2020**.

This deliverable is divided into four chapters. Chapter 1 introduces the Work Package and provides a general overview of the work carried out in the reporting period. Chapter 2 provides a summary of the WP6 activities. Chapter 3 describes in more detail the work carried out in each of the tasks and sub-tasks of WP6. Chapter 4 presents conclusions.

Highlights of the reported activities include:

- The organisation and implementation of the EuroHPC Summit Week 2019 and 2020
- Participation in ISC, SC, and the Teratec Forum
- Expansion and strengthening of dissemination in collaboration with stakeholders from the European HPC ecosystem

## 1 Introduction

Work Package 6 (WP6) Dissemination and outreach of the European eXtreme Data and Computing Initiative – 2 (EXDCI-2) builds on, complements and extends the work carried out during the previous EXDCI Project.

The role of WP6 in EXDCI-2 is to disseminate the activities and results of the EXDCI-2 Project, organise the EuroHPC Summit Week, and promote European HPC to industry and academia.

To fulfil this role, WP6 is divided into three tasks:

- Task 6.1 – Organisation of the European / EuroHPC Summit Week conference series, and logistical support to the organisation of other EXDCI-related events/workshops/exhibitions
- Task 6.2 – Support to international events
- Task 6.3 – Dissemination materials

Marjolein Oorsprong (PRACE aisbl) is WP6 leader and Renata Gimenez (BSC) is WP6 co-leader.

This deliverable entitled “D6.2 – Second report on Dissemination Activities” outlines the work carried out in Work Package 6 (WP6) during the second year of the EXDCI-2 project. As the entire project, including its extension, is 34 months long, the “second year” reported here will cover months 15 through 34, corresponding to the period between **May 2019 and December 2020**.

Relevant Milestones during this period are:

- MS16 European HPC Summit Week 2019
- MS17 European HPC Summit Week 2020 – this milestone was deprecated, see section 3.1.2
- MS19 EXDCI at ISC 2019
- MS20 EXDCI at ISC 2020 – this milestone was deprecated, see section 3.2.3
- MS22 EXDCI at SC19

During this period, the WP6 team focused on addressing the activities mentioned in the EXDCI Strategy Report, organising the EuroHPC Summit Week in collaboration with the EuroHPC JU, restructuring and updating the EXDCI website. Additionally, WP6 has addressed the relevant recommendations coming out of the Interim Review, such as intensifying collaborations with other actors in the European HPC ecosystem.

## 2 Summary of WP6 Activities

This section summarises in detail the activities of WP6 during the reporting period for the following WP6 Tasks and their sub-tasks.

### 2.1 Task 6.1: Organisation of the EuroHPC Summit Week conference series and logistical support to the organisation of other EXDCI-related events/workshops/exhibitions

The EuroHPC Summit Week 2019 was held from 13 to 17 May 2019 in Poznań, Poland [1]. Hosting a variety of workshops covering various application areas, the conference attracted more than 360 attendees. The EuroHPC Summit Week 2020 (EHPCSW 2020) was planned to be held from 23 to 27 March 2020 in Porto, Portugal [2], but had to be cancelled due to the world-wide COVID-19 pandemic. The next edition (2021) will be held digitally from 22 to 26 March 2021 [3]

### 2.2 Task 6.2: Support to international events

During the reporting period, three live and two virtual booths were established in collaboration with PRACE and ETP4HPC at the following events:

- Teratec Forum, 11-12 June 2019, France [4]
- Teratec Forum, 13-14 October 2020 (virtual booth) [5]
- International Supercomputing 2019 (ISC 2019), 16-20 June 2019, Germany [6]
- The exhibition at the International Supercomputing 2020 (ISC 2020), 27 June – 1 July 2020, was cancelled, as the event was changed to a virtual conference due to the COVID-19 pandemic [7]
- International Conference for High Performance Computing, Networking, Storage and Analysis (SC19), 18-21 November 2019, United States [8]. Three birds-of-a-feather (BoF) sessions were held during SC 2019.
- International Conference for High Performance Computing, Networking, Storage and Analysis (SC20), 09-19 November 2020, United States [9]. EXDCI-2 was presented at the virtual PRACE booth.

These booths were established in collaboration with PRACE and ETP4HPC's own presence at those events with a double objective: to share and synergise resources but also to emphasise the role of the two networks in the EU HPC strategy.

EXDCI-2 also supported the European participation in the high-level international BDEC workshops. Talks were given on EU strategy, vision and projects, during two meetings – one held in Poznań during the EuroHPC Summit Week 2019 [1] and another held in San Diego (USA). In addition, EXDCI-2 was in charge of organising the subsequent BDEC session, originally planned to take place during the EuroHPC Summit Week 2020 [2], from 24 to 26 March in Porto, Portugal. The workshop was first postponed to October 2020 due to the COVID-19 pandemic and has to be finally cancelled as a face-to-face meeting. This session has been replaced by the organisation of three virtual meetings that took place between June and September 2020.

Particular attention was given to the collaboration with the European HPC ecosystem by either offering support to disseminate the results of the EU projects (dissemination of FETHPC results at EXDCI-2 booths) or by joining forces (common BoF sessions).

## 2.3 Task 6.3: Dissemination materials

The main focus of this task has been the regular updating of the EXDCI website (especially the Collaborations section [10]), following the objective to position EXDCI's network as a credible and reliable source of information on the evolution, strategy and roadmap of the European HPC ecosystem.

The team has also developed an EXDCI flyer [11] that has been distributed to all EXDCI partners and was disseminated at events and conferences.

## 3 Detailed Reporting of the WP6 Activities (May 2019 to December 2020)

### 3.1 Task 6.1: Organisation of the EuroHPC Summit Week conference series and logistical support to the organisation of other EXDCI-related events/workshops/exhibitions

#### 3.1.1 *EuroHPC Summit Week 2019*

The EuroHPC Summit Week 2019 [1] was held successfully and gathered the main HPC stakeholders from 13 May to 17 May 2019 in Poznań, Poland. The entire week was organised by PRACE, EXDCI-2 and ETP4HPC. PRACE's Polish Member, the Poznań Supercomputing and Networking Center (PSNC), acted as the local host for the EuroHPC Summit Week. More than 360 participants joined plenary sessions, parallel sessions, and discussions to tackle the important topics facing science, industry and the HPC ecosystem.

#### 3.1.2 *EuroHPC Summit Week 2020*

The EuroHPC Summit Week 2020 (EHPCSW 2020) [2] was to be held from 23 to 27 March 2020 in Porto, Portugal, but had to be cancelled due to the world-wide COVID-19 pandemic. The preparations for this edition of the conference series were well-advanced when the decision was taken to cancel the event. Efforts have been made to bank on those preparations, and transfer as much as possible to the 2021 edition.

The EuroHPC Summit Week 2021 will be held digitally from 22 to 26 March 2021. The digitalisation of the event is in progress and has led to significant changes in e.g., the conference schedule as compared with what was prepared for the 2020 edition.

### 3.2 Task 6.2: Support to international events

During this reporting period, EXDCI-2 participated in the Teratec Forum 2019 [4] and 2020 [5], ISC 2019 [6], the virtual workshop on "AI and HPC convergence", the workshop on "New technological paths for high performance chips targeting HPC and edge", SC19 [8], SC20 [9] the 44<sup>th</sup> ORAP Forum [12], the EXDCI-2 Second Technical Meeting, and the BDEC2 conference series.

#### 3.2.1 *Teratec Forum 2019*

EXDCI-2 participated in the TERATEC Forum 2019 [4] which was held on 11 and 12 June 2019. The EXDCI-2 booth was shared with ETP4HPC. Staff reached out to visitors with general information on the project and referred them to projects, organisations, and initiatives that could serve their specific needs within the European HPC ecosystem.

### 3.2.2 Teratec Forum 2020

EXDCI-2 participated in the TERATEC virtual Forum 2020 [5] which was held on 13 and 14 October 2020. The EXDCI-2 booth was included in a “Europa Village” which was designed by the organisers to gather together the EU-funded projects. Alongside the dissemination materials displayed on the project’s virtual booth, EXDCI-2 offered the possibility to the FET HPC projects and CoEs to disseminate their own materials. The collected material from 10 projects was made available via a YouTube playlist [13].

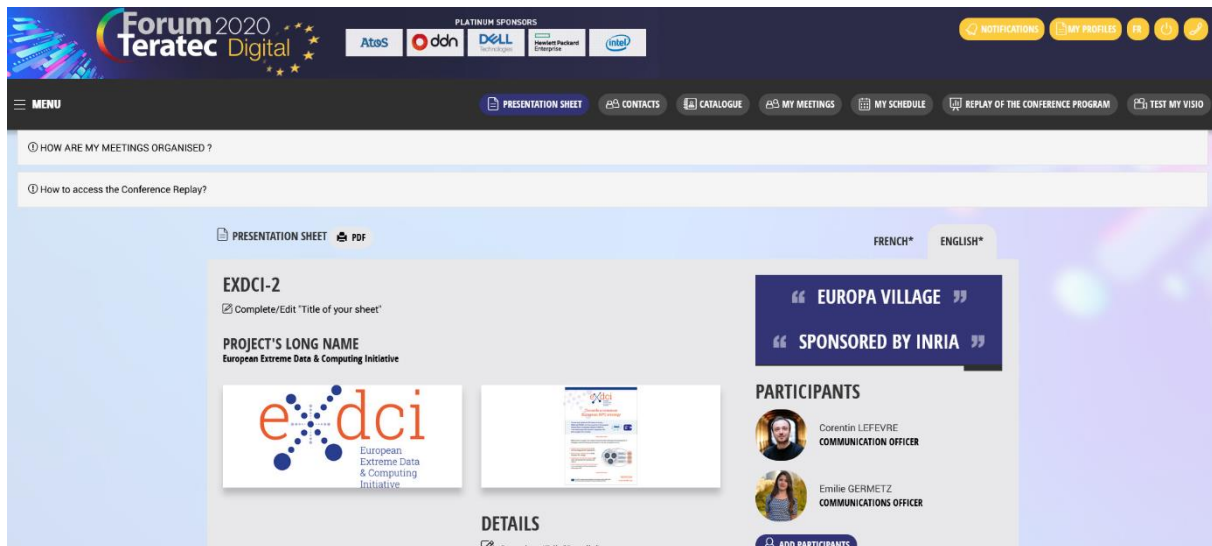


Figure 1 – EXDCI-2 virtual booth on the Teratec Forum Europa Village

### 3.2.3 International Supercomputing 2019

EXDCI-2 shared a booth with PRACE during ISC 2019 [6], the largest European exhibition dedicated to High-Performance Computing, which was held from 16 to 20 June 2019 in Frankfurt, Germany.



Figure 2 – EXDCI-2 participates in ISC High Performance 2019, sharing a booth with PRACE

EXDCI-2 also participated in the Eurolab4HPC project's BoF session entitled "What are the Greatest Challenges to be Addressed by Academic HPC Systems Research?". This session aimed to discuss, assess and contribute to Eurolab4HPC's general vision for academic research in HPC, as well as being the first public workshop contributing to the 2020 update of their Long-Term Vision on High-Performance Computing, published in January 2020.

### 3.2.4 Virtual Workshop on AI and HPC convergence

This workshop took place virtually on 26 November 2020. Organised by EXDCI-2, the workshop brought together experts on Artificial Intelligence, High Performance Computing and Big Data applied to Sciences and Industry. The virtual workshop was structured in two sessions, one on Artificial Intelligence (AI) and one on HPC convergence and included 12 15-minute presentations. The full programme can be found on the EXDCI website [14]. The total number of attendees were ca. 45 out of 87 who had registered.

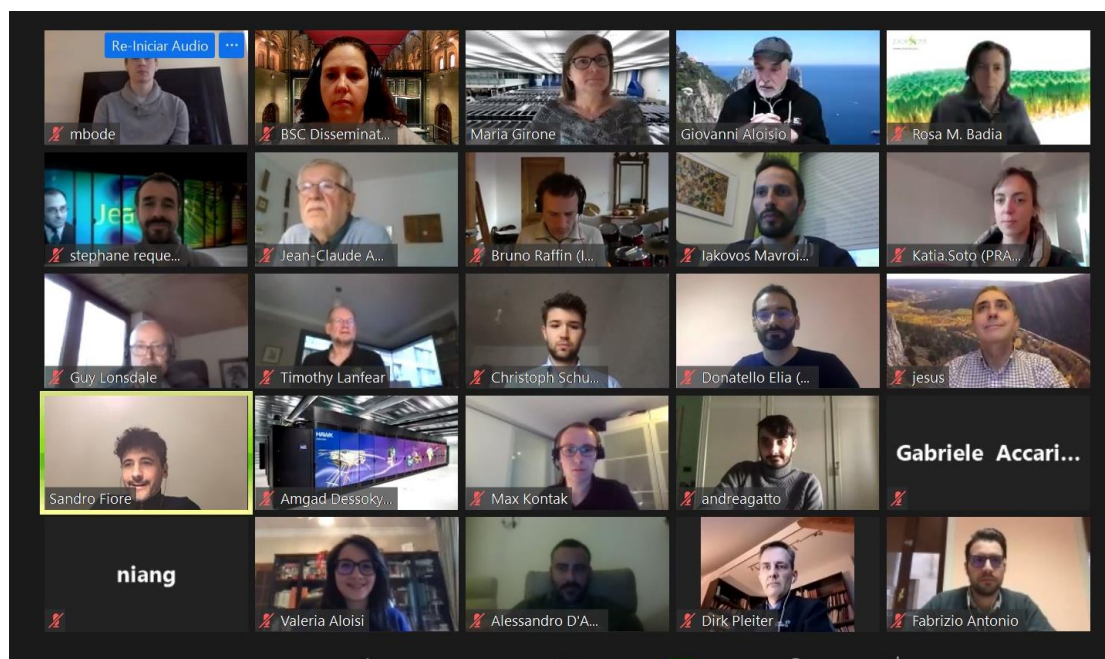


Figure 3 – Virtual Workshop on AI and HPC convergence

### 3.2.5 Workshop on "New technological paths for high performance chips targeting HPC and edge"

On 5 and 6 November 2019, EXDCI-2 supported the organisation of the "New technological paths for high performance chips targeting HPC and edge" [30] workshop in Brussels, Belgium. About 40 experts from the HPC, photonics, and electronics ecosystems, among others, coming from both academia and industry, gathered to discuss potential paths in exploring the future in terms of HPC and edge systems.

This workshop aimed to address the challenges of increasing performance demand regarding chips and HPC systems, as well as the technological approaches that would need to be developed to tackle these issues.

Ultimately, the outcomes of the workshop (prepared by WP2) are expected to serve as arguments for increasing the number of relevant research calls in both Horizon Europe and the EuroHPC JU programme.





Figure 4 – Workshop on new technological paths in Brussels, Belgium

### 3.2.6 *Supercomputing 2019*

The SC conference and exhibition is held each year in the United States and is the biggest event worldwide dedicated to High-Performance Computing. Promoting European excellence during SC remained one of the key actions for international dissemination within EXDCI-2. SC19 [8] was held in Denver, Colorado.

EXDCI-2 shared a booth with PRACE and promoted the EU HPC ecosystem through direct contacts and displays of dissemination material from FETHPC projects and CoEs, as well as by promoting the EuroHPC Summit Week 2020.

As a continuation of the booth presentations which began last year, EXDCI-2 reinforced the visibility of EU projects through collaborations with MAESTRO [15], exa2pro [16] and Sage2 [17], by adding their materials to the video loop displayed at the EXDCI-2 booth.

EXDCI-2 also participated in the PRACE initiative “EuroZone @ SC” organised to increase visibility of EU HPC related projects and organisations, as well as to the PRACE mini-presentations format, which allowed both EXDCI-2 and FET projects to be represented at the booth and to share their progress and latest results with the international community.

Adding to presence on the SC exhibition floor, EXDCI-2 participated in the Eurolab4HPC BoF session, and co-organised another BoF session with EXDCI-2 partner ETP4HPC. The project also took part at the Big Data and Exascale Computing (BDEC2) Community Roundtable.



**Figure 5 – EXDCI-2 and MAESTRO joined the mini-presentation initiative at the PRACE booth**

### 3.2.7 *Supercomputing 2020*

SC20 was transformed into a digital event due to the COVID-19 pandemic. EXDCI-2 was exhibited at the virtual PRACE booth of the digital exhibition. A video stream was presented to highlight the results of the EXDCI-2 project, as well as other EU-funded initiatives (see also 3.2.2)

### 3.2.8 *44<sup>th</sup> ORAP Forum*

The EXDCI-2 project participated in the 44<sup>th</sup> ORAP Forum [12] held on 29 November 2019. During this edition, which focused on ways to compromise between perennity and performance toward the Exascale, EXDCI-2 gave a presentation about its latest work on legacy codes [18].

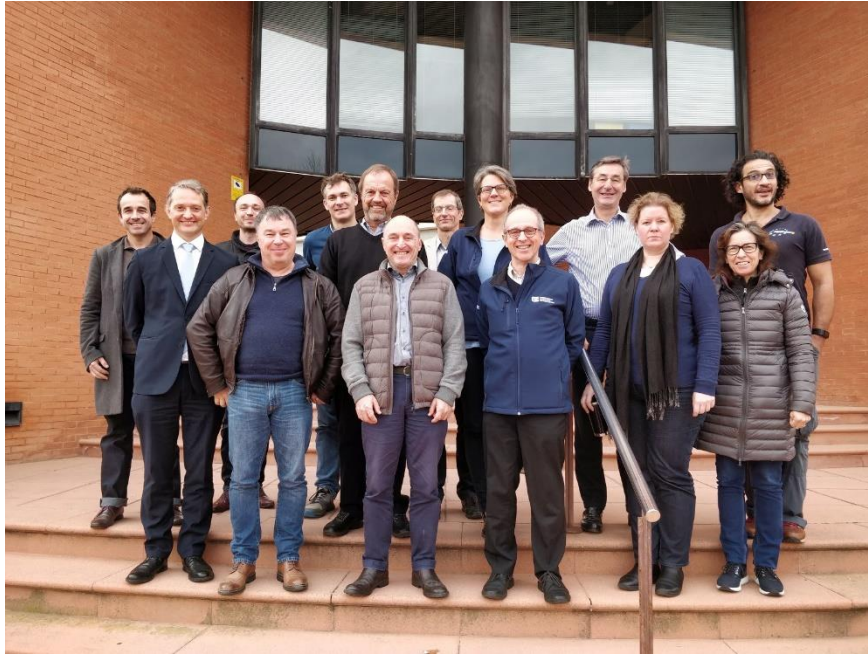
### 3.2.9 *EXDCI-2 Second Technical Meeting*

The EXDCI-2 Second Technical Meeting took place on 2 and 3 December 2019 at the BSC premises in Barcelona. The meeting gathered 21 people and also included five participations via conference calls.

The main objective of the meeting was to assess the progress made since the inception of EXDCI-2 and to build on this assessment to construct a new vision that will help the EU HPC Ecosystem to make progress beyond the existing challenges in the best coordinated manner.

Discussions were focused on sharing tangible results and assessing the project's legacy, as well as to discuss on major trends in the HPC ecosystem, including how this ecosystem should interact with other domains such as Big Data, Cybersecurity, AI, Cloud and, IoT among others.





**Figure 6 – EXDCI-2 Second Technical Meeting group photo**

The presentations highlighted a number of routes in the EU HPC ecosystem, regarding both technical and organisational perspectives. The main outcome of the meeting was for the EU HPC ecosystem to take advantage of the evolution of major domains such as AI in the emerging notion of “the computing transcontinuum”.

The conclusion of the meeting was to start building an EU approach and vision of this transcontinuum concept [31], e.g beyond Exascale and HPC usages as we know it, that should be discussed not only with the HPC stakeholders (which include EuroHPC, PRACE and ETP4HPC) but also with other actors (such as the AI community and EOSC).

#### 3.2.10 *BDEC conference series*

The team of task 6.2 supported the organisation of the BDEC2 session held from 14 to 16 May 2019 in Poznań, Poland. As defined at the beginning of the EXDCI-2 project and to make the EuroHPC Summit Week more attractive and inclusive, this session was held side-by-side with the EuroHPC Summit Week 2019. It included a shared plenary session, during which the EXDCI-2 Scientific Director François Bodin presented the European regional progress update.

BDEC2 San Diego was held from 15 to 17 October 2019 in the United States. During this workshop, which focused on AI and machine learning for future cyber-infrastructure, European projects and organisations gave several talks and demonstrators presentations. The European efforts were shared with the 70-attendee audience through a dedicated talk given by Sergi Girona.



**Figure 7 – BDEC2 open plenary session at EuroHPC Summit Week 2019 in Poznań, Poland**

Task 6.2 was in charge of the organisation of the next BDEC2 session to be held in Porto from 23 to 25 March 2020, as a collocated event with the EuroHPC Summit Week 2020.

However, given the impossibility, due to the COVID-19 pandemic, to maintain the meeting in Porto in March 2020 under safe conditions, the team decided to postpone it to October 2020, in hope of a significant improvement in the global situation. On the other hand it gave the opportunity to initiate the organisation of 3 online interim meetings, hosted in turn by the American, European and Asian BDEC teams respectively, from June to September 2020.

Ultimately, as there was no major improvement in health restrictions globally, the organising team officially cancelled the face-to-face BDEC2 meeting, planned to be held in Porto in October 2020.

### 3.2.11 *Collaborations with the European HPC ecosystem for task 6.2*

EXDCI-2 continued its existing collaboration as reported in the previous deliverable D6.1. Moreover, the interim review of the project resulted in an increasing the project's collaboration activities.

Following the review's recommendations, the EXDCI-2 Communication and Dissemination work package has reinforced and initiated a broader collaboration strategy with the European HPC Ecosystem.

The goal was to go beyond existing collaborations and to strengthen connections, not only with the European HPC ecosystem but also other domains that HPC has interactions with. WP6 defined a two-directional approach to expand collaborations:

- With the European HPC Ecosystem (including FET projects, CoEs projects and HPC Europa3)
- With organisations “outside” the European HPC Ecosystem but linked to it (including BDVA, EOSC and FETFX)

The inception of this enhanced strategy led to the organisation of a “Collaboration through Communication” [19] workshop, held on 1 October 2019 in Brussels, jointly organised with the PRACE 6IP project. This event was followed by proactive online meetings between EXDCI-2 and the communication officers of other organisations/projects (FocusCoE, BDVA, EOSC, FETFX). The goal was to strengthen our network and establish long-term collaborations that will result in regular cooperation on dissemination activities. Various such connections

such as with e-IRG, POP, and ERIC Forum and their project RI-VIS have meanwhile been established.

Moreover, the following actions have been put in place:

- A dynamic banner has been created on the EXDCI-2 homepage, not only disseminating the project's information but also highlights from our partners and the broader ecosystem (current examples are the ETP4HPC annual report and the FocusCoE industry survey)
- We continued to enrich the EXDCI-2 collaboration section [10]
- We extended our network regarding communication collaboration with the organisation of dedicated conference calls with communication officers of other European projects (BDVA, FocusCoE, EOSC)
- For the linkage between EXDCI-2, PRACE (both PRACE aisbl and the PRACE-6IP Project), and ETP4HPC, apart from regular e-mail exchanges, the EXDCI-2 communication team meets once a month to ensure that all information is shared with all concerned partners
- For the linkage with FET projects, coordination between WP2 and WP6 has been reinforced, both at Technical Board level and between each WP, with one person responsible to "bridge" on a daily basis the needs from WP2 and the work carried out by WP6.

An exhaustive cross-linking campaign was carried out, targeting websites and social media. It proved to be easier to ensure cross-linking on the social media side (for example on Twitter, there is a mutual follow with 75% of the FET projects that have an account) than on the FET projects' websites as we received less interest for that action from the FET coordinators

Nonetheless, on this topic, we initiated a regular collaboration with the FETFX project [20] which aims to disseminate FET projects' results at large. This resulted in the dissemination of EXDCI-2 results [21] and events [22] through the FETFX channels (website and newsletter). In return, WP6 mentioned and linked FETFX in the EXDCI-2 collaboration webpage [10]. We also follow each other on Twitter.

- For the linkage with the EU HPC ecosystem, we continued and increased a proactive collaboration with FocusCoE, BDEC-2, Eurolab4HPC, HiPEAC and EGI and we explored the possibilities of cross-linking with EuroHPC JU. The results went beyond cross-linking to move to cross-dissemination activities, and we established a dynamic cooperation to disseminate each other's actions, results or events. The most recent example is the dissemination of the FocusCoE HPC industry survey
- For the linkage with organisations outside the EU HPC ecosystem, we continued our proactive collaboration with BDVA and started collaboration with EOSC [23]

In summary, we have put in place a general strategy on communication collaboration with the project's ecosystem. These collaborations have already produced some results and, as networking is a long-term activity, will be continued by PRACE and ETP4HPC.

### 3.3 Task 6.3: Dissemination materials

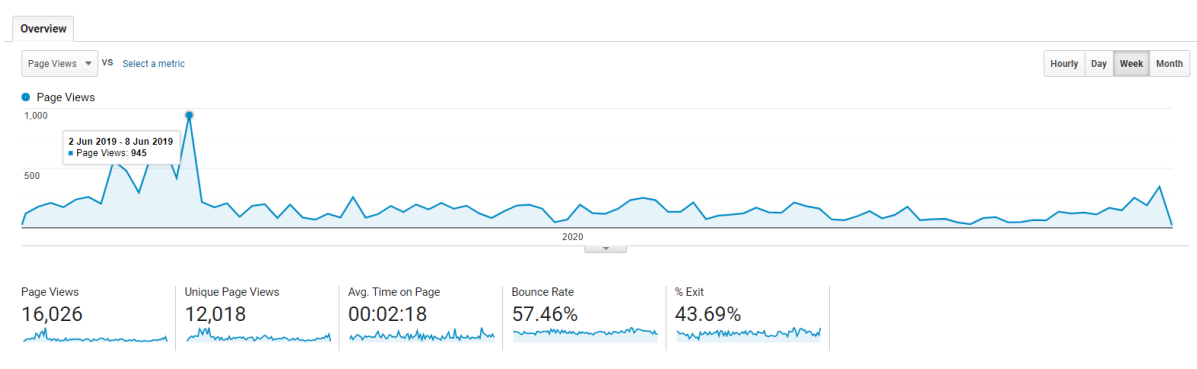
Task 6.3 handles the social media and website of the EXDCI-2 project, the creation of dissemination materials, and provides booth designs to Task 6.2.

### 3.3.1 EXDCI Website

The project website was regularly updated by adding new highlighted banners on the homepage and the collaborations page [10], as well as updating news [24] and new features taken from other WPs such as the Results menu tab [25].

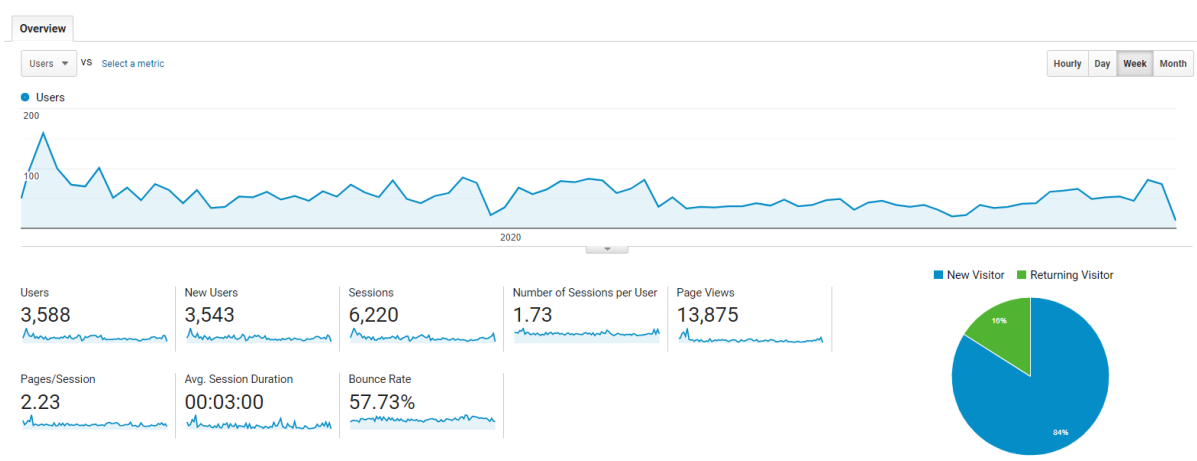
### 3.3.2 Google analytics

From 1 May 2019 until 30 November 2020, the website had a total of 16 026 page views. As it can be seen in Figure 8 below, there was a peak in the number of page views in June 2019, due to the ISC conference 2019 where EXDCI had a booth.



**Figure 8 – Page views statistics from May 2019 to November 2020**

Figure 9 shows the number of EXDCI-2 website visitors from May 2019 to November 2020. A total of 3 588 users visited the EXDCI website. The majority of users (84%) were newcomers, and the rest (16%) were returning visitors, as shown below.



**Figure 9 – Visitors to the EXDCI website from May 2019 - November 2020**

During this period, the most visited pages were the homepage followed by the CoE page and the EuroHPC Summit Week 2020 page. The figure below highlights the other most visited pages.

Page Title	Page Views	% Page Views
1. <a href="#">European eXtreme Data and Computing Initiative</a>	2,362	17.02%
2. <a href="#">Centres of Excellence in HPC Applications   European eXtreme Data and Computing Initiative</a>	754	5.43%
3. <a href="#">EuroHPC Summit Week 2020   European eXtreme Data and Computing Initiative</a>	719	5.18%
4. <a href="#">More HPC Job Vacancies   European eXtreme Data and Computing Initiative</a>	680	4.90%
5. <a href="#">Events   European eXtreme Data and Computing Initiative</a>	639	4.61%
6. <a href="#">About the EXDCI / EXDCI-2 projects   European eXtreme Data and Computing Initiative</a>	569	4.10%
7. <a href="#">EXDCI at a glance   European eXtreme Data and Computing Initiative</a>	479	3.45%
8. <a href="#">FETHPC Results   European eXtreme Data and Computing Initiative</a>	450	3.24%
9. <a href="#">FET HPC   European eXtreme Data and Computing Initiative</a>	416	3.00%
10. <a href="#">HPC spin-off support   European eXtreme Data and Computing Initiative</a>	340	2.45%

[view full report](#)

Figure 10 – Most visited pages from May 2019 - November 2020

### 3.3.3 EXDCI Twitter account




The Twitter account (@exdci\_eu) [26] is continuously maintained and updated, to ensure continuity of the EXDCI brand. Twitter is used to disseminate EXDCI-2 activities and to re-tweet all HPC-related activities by FETHPC projects, CoEs, and other HPC-related actors such as EuroHPC JU, BDVA, FENIX and FETFX. Other social media channels such as YouTube for the EuroHPC Summit Week or LinkedIn, managed by PRACE, will be exploited to maximise the visibility of the EXDCI activities. The EXDCI account tweeted a total of 4 412 tweets, and gathered a total of 1 069 followers.

On average, EXDCI earned 2 retweets and 2 likes per day, and about 16 new followers each month, with exceptions occurring during events such as the EuroHPC Summit Week. More frequent and targeted publications were posted to engage both the online audience and conference attendees from one event to another.

To connect with both EXDCI followers and new stakeholders, the posts often include one or several hashtags to relate to our different audiences – the most commonly used being **#HPC**, **#bigdata**, **#science**, **#industry**. In addition, hashtags of events EXDCI is participating in and/or organising are also added, notably **#EHPCSW**, which not only engages the community during the event, keeping up with the talks and interacting with one another, but also engages the community beforehand during the promotion and registration process.

The three top tweets from the period May 2019 to November 2020 are shown below:



Tweets	Top Tweets	Tweets and replies	Promoted	Impressions	Engagements	Engagement rate
	<b>EXDCI</b> @exdci_eu · Apr 30 Register now to the online webinar titled " <b>#HPC</b> , <b>#BigData</b> , <b>#IoT</b> and AI future industry-driven collaborative strategic topics"  5 May at 14:00 Registration form: <a href="https://register.gotowebinar.com/register/72184...">register.gotowebinar.com/register/72184...</a>  @BDVA_PPP @Etp4H @DeepHealthEU @CYBELE_H2020 @LexisProject <a href="#">View Tweet activity</a>			8,454	52	0.6%
	<b>EXDCI</b> @exdci_eu · 11 Oct 2019 Save the dates: upcoming <b>#HPC</b> conference in Europe. Opening call for contributions/workshops soon. Stay tuned <b>#EHPCSW!</b> <a href="https://pic.twitter.com/3BUGf2q4Rc">pic.twitter.com/3BUGf2q4Rc</a> <a href="#">View Tweet activity</a>			5,965	55	0.9%
	<b>EXDCI</b> @exdci_eu · Jul 6 Save the date for the next edition of the <b>#EHPCSW</b> in 2021! <a href="https://exdci.eu/events/eurohpc...">exdci.eu/events/eurohpc...</a> <a href="https://pic.twitter.com/gQJ0ux68DL">pic.twitter.com/gQJ0ux68DL</a> <a href="#">View Tweet activity</a>			5,173	71	1.4%

**Figure 11 – EXDCI Top Tweets (May 2019 to November 2020)**

EXDCI-2 has carried on the dissemination of the HPC ecosystem activities and its own outputs through this channel to spread the word about all European HPC actions. The EXDCI account took advantage of the previous website restructuring to regularly inform about the various news and/or static content there, as well as pointing the different targeted audiences to specific material related to their field of interest and initiating a more interactive dialogue.

In addition, as past experience has shown positive feedback and a steady growth of the EXDCI Twitter community, the WP6 team has continued to cover events that the project has either organised or just participated to. This has been achieved with both scheduled and live Twitter campaigns, such as dedicated campaigns during the ISC19 and SC20 conferences for example, and to pass on information about conferences and workshops from the rest of the HPC community as well.

### 3.3.4 Dissemination material

As already mentioned in Section 3.2 and in close collaboration with Task 6.2, the main activity of this task was to provide the designs for the booth panels and materials to be used for events at which EXDCI exhibits. In addition, the EXDCI dissemination team also created an EXDCI flyer to be used in assisting with the dissemination of the project and its activities [11].

In addition, this task was also in charge of designing all material for the EuroHPC Summit Week 2019 based on the branding of the EuroHPC-JU, as requested by the EC. This included banners, roll-ups, signs, badges, PowerPoint presentation templates, promotional items, etc.



Figure 12 – EuroHPC Summit 2019 promotional banner

### 3.3.5 *Media*

In collaboration with PRACE, one press release was launched during the period about the EuroHPC Summit Week 2019 titled “Wrap up of an inspiring EuroHPC Summit Week 2019” [27]. A total of 10 press impacts related to the European HPC Summit Week were included in the News in press [28] section of the website. The last two announced the cancellation of the 2020 edition of the EuroHPC Summit Week due to the COVID-19 pandemic. The press clippings have been updated on the EXDCI website [28].

### 3.3.6 *White Papers*

Two White Papers [32] were produced by WP2:

- The Future of Computing: Will It Be Quantum Computing?
- Future of HPC Technologies

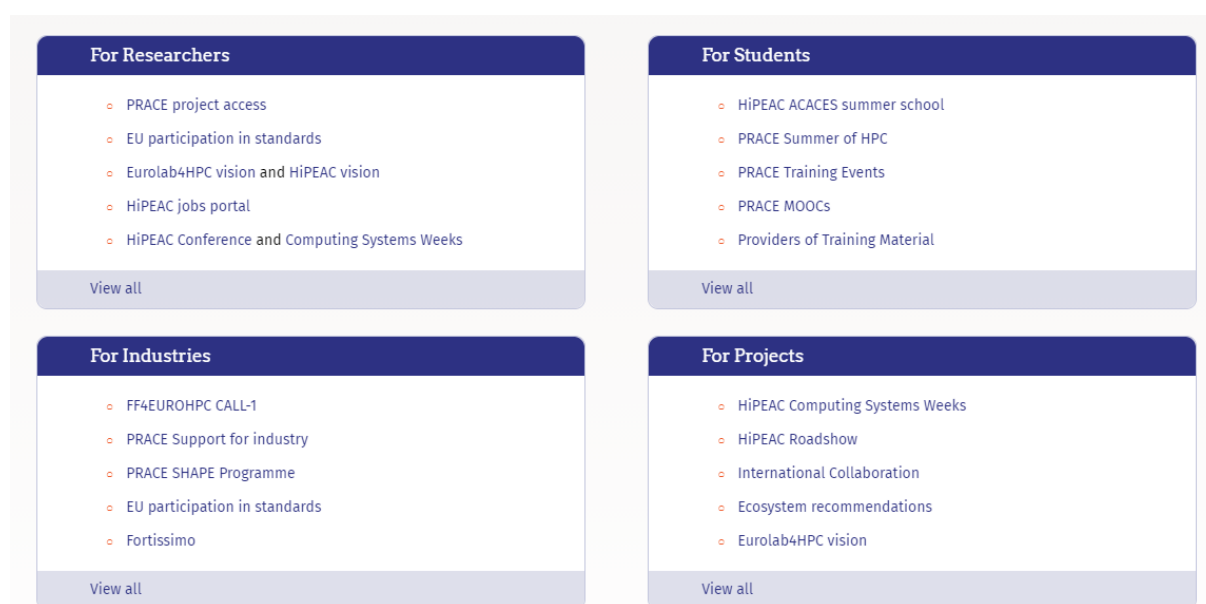
WP6 promoted these White Papers on the EXDCI website, via social media and on OpenAire via Zenodo.

## 3.4 EXDCI-2 Strategy

### 3.4.1 *Dissemination of the project's activities*

On dissemination activities, the project's strategy was to publicise the activities carried out by the project through both participation to events, own web channels, as well as dissemination through the EXDCI-2 dissemination network.

Examples of these include several articles and shared documents which were made available on the EXDCI-2 website under a specific “Activities” category. As already implemented, contents on our website are categorised by their main target audience (researchers, students, industries, and projects).



**Figure 13 – EXDCI-2 content access per target audience on home page**

Additionally, surveys were disseminated through EXDCI-2 tools such as the legacy code survey. As reported in section 3.4.3 “Collaborations and synergies”, this was also done by answering requests from the European HPC ecosystem such as for the FocusCoE industrial survey.

Towards the end of the project, the EXDCI WP6 team developed a 1-minute video with the major outcomes to present them for the joint booth at SC20. This video was uploaded on the PRACE YouTube account and can also be found via the EXDCI website [29]

Dissemination of such media would have been implemented thanks to the presence of EXDCI-2 at the main European HPC events organised during first half of 2020. However, the situation provoked by the SARS-CoV-2 pandemic has halted the ongoing work on our final dissemination strategy (see Section 3.4.4 “COVID-19 outbreak and project extension”).

### 3.4.2 COVID-19 outbreak and project extension

The outbreak of the SARS-CoV-2 pandemic has deeply modified the EXDCI-2 dissemination strategy which was mainly based on co-organising/participating in main events of the European HPC ecosystem, namely the EuroHPC Summit Week scheduled in March in Porto (cancelled), the International Supercomputing Conference scheduled in June in Frankfurt (cancelled) and the Teratec Forum scheduled in June in Palaiseau (postponed).

This unpredictable situation has led to implementation changes in the communication strategy of WP6 which relies on the project’s extension and the new end date for the EXDCI-2 project. More efforts were put into online activities (such as social media, cross-linking, videography, and infographics).

## 4 Conclusion

This second period of the EXDCI-2 project, WP6 has focused on extending and strengthening the dissemination collaboration with actors from the European HPC ecosystem.

The main achievement of WP6 was the organisation and implementation of the EuroHPC Summit Week 2019, in collaboration with multiple partners.



In addition, the team has contributed to the restructuring of the website and participation in international exhibitions such as ISC and SC.

Establishing collaborations with other HPC stakeholders, in particular Eurolab4HPC and FocusCoE, is an activity that will be continued by the EXDCI-2 partners after the end of the project, for example through EU-funded projects such as PRACE-6IP and CASTIEL.

Much effort of WP6 has gone into finding synergies, as well as better promote the European HPC ecosystem. PRACE and ETP4HPC will continue the activities started in the two editions of EXDCI projects.