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Deliverable D2.2
Supporting an e-Infrastructure Event (DI4R)

Deliverable D2.2

Abstract
This document provides a brief summary of an e-Infrastructure event (DI4R) that took place in Krakow, Poland, on 28-30 September 2016.

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1 Introduction

As part of the efforts to improve the cooperation between the e-infrastructure projects within the Horizon2020 programme, a joint e-infrastructure conference was organised to share experiences, knowledge and best practice throughout the community.

This event was intended to improve interactions and understanding between the e-infrastructure projects and also act as an outward demonstration of the cooperation and coordination between these projects in order to support European research and education.

As the GN4-2 deliverable was the DI4R event itself, this document summarises the event, the GÉANT contribution to the content delivered and the marketing and outreach support provided.

2 Goals/Purpose

The event was designed with research communities in mind to foster broader adoption of digital infrastructure services and promote user-driven innovation.

The event had two key goals:

1. To foster communication between the e-infrastructure projects and share knowledge, experience and best practice. To also act as a networking forum for the key members of each e-infrastructure so that they could identify opportunities for partnership and collaboration.

2. To communicate to external stakeholders the combined activities of the e-infrastructure projects and demonstrate the value of collaboration between them.

As first point of an ongoing dialogue, many representatives from the e-infrastructures supported the event, as shown in the feedback gathered below.

"Krakow will be the home of the first joint event organised by the major European e-Infrastructure initiatives," says Tiziana Ferrari, Technical Director of the EGI Foundation. *"We will join efforts to support the needs of European researchers and international collaborations and EGI is proud of having been one of the main promoters of this new series of events."*

"This event represents an important step towards greater collaboration between e-Infrastructures, which is very much required by research communities who want to be able to access network, data and computing resources in a seamless way" adds Damien Lecarpentier, EUDAT2020 Project Director.

"This is a golden opportunity for researchers, and those who support research, to engage in a dialogue with e-Infrastructure providers in one setting. The goal is for the e-Infrastructure providers to better understand the how researchers work and the services they need. In addition, researchers should come away from the event with a clearer understanding of the e-Infrastructure landscape and their service portfolio. We will each learn from one another, and work towards the common goal of advancing science and research", says Steve Cotter, CEO GÉANT.

"Open research infrastructures are stepping stones for new products and services," says Tony Ross-Hellauer, OpenAIRE Scientific Manager. *"We encourage all researchers to join our event to discuss open research infrastructures that have a long-term impact on the European scientific community."*

Peter Wittenburg, Executive Director of RDA Europe adds that *"digital infrastructures providing services from basic network, CPU and storage up to those populating the dynamic knowledge integration will determine our ability to extract knowledge from the data floods."*

3 Logistics and Setup

The DI4R 2016 conference was co-organised by EGI, EUDAT, GÉANT, OpenAIRE and RDA Europe, and hosted by ACC Cyfronet AGH, Krakow's academic computing centre.

The event was held from 28 to 30 September 2016, comprising 40 seminar sessions, together with 3 plenary sessions. The full programme is provided in Appendix A.

A consistent branding schema was developed for Di4R using the concept of linking the key e-infrastructures

Figure 3.1: Example of e-infrastructure branding concept

A separate website was developed for Di4R, which will also be used to support future events [WEBSITE]. This site currently contains recordings of the plenary sessions and downloads of all presentations and papers for the event.

The event's primary focus was to foster co-operation between e-infrastructures, and so marketing at the event was focused on a single, joint booth area, which was jointly branded by all organisers.

Figure 3.2: Joint booth branding and graphics.

Figure 3.3: Joint booth area

Corporate sponsorship was provided by Intel and Hewlett Packard to offset the costs of the event and to demonstrate the role of commercial providers into the delivery of e-infrastructures.

A number of associated events and activities were also co-located at the venue [EVENTS].

These included:

- Third WISE Workshop - Wise Information Security for Collaborating e-Infrastructures [WISE].
- Workshop: Design your e-Infrastructure.
- FitSM Foundation Training [FitSM].

4   e-Infra Liaison

As part of this event, GÉANT and the other key e-infrastructure projects held a joint plenary session on 29 September 2017, with the theme, "What do researchers and research infrastructures need from e-infrastructures?" The session addressed how cooperation and better coordination of service delivery across research infrastructures can be achieved, addressing points such as:

- Current engagement between research infrastructures.
- How service delivery can be better coordinated.
- Ways to increase the participation of research infrastructure representatives in e-infrastructures.

The panel discussion was built upon a round of flash presentations from representatives of key research infrastructures.

Chaired by Franciska de Jong from CLARIN – European Research Infrastructure for Language Resources and Technology, the session included representatives from:

- GÉANT
- EGI
- EUDAT
- OpenAIRE
- RDA

The session was recorded and is now available on the digital infrastructures website [WEBSITE].

In addition to this plenary, GÉANT hosted six of the thematic conference sessions, and participated in a further five sessions of the event. Chaired sessions included;

- Building interoperable AAI for researchers.
- Building user-defined and user-controlled virtual networks for WAN workflows.
- SME dynamics workshop – towards an integrated approach.
- Data infrastructures and their innovation potential - lightning talks.
- Harnessing the power of end-to-end networks.
- Virtual research environments for the Open Science Cloud.

5 Marketing and Communications

All participating organisations undertook a full range of internal and external marketing and communications activities for the event with GÉANT using website, email and social media activities to engage with a range of stakeholders.

In addition, Di4R operated its own twitter account to promote the event prior to opening, and to disseminate information during the event [TWITTER].

On GÉANT's Twitter feed, @GEANTnews also promoted the event heavily both prior to and during the event.
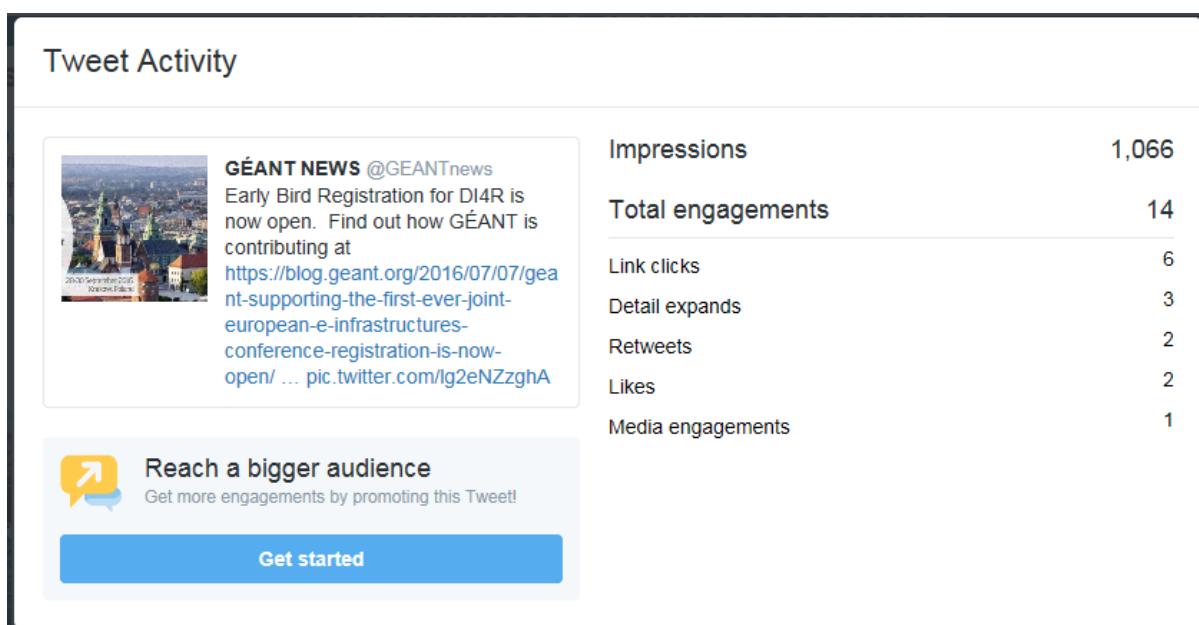
Figure 5.1: Sample social media promotion of Di4R

The event was also promoted within CONNECT magazine, with articles and interviews from e-infrastructure projects [CONNECT].

Figure 5.2: CONNECT cover featuring DI4R

This combination of both online and print-based marketing and support was designed to increase awareness of the event and of the e-infrastructure projects.

6 Results and Feedback

Prior to the event, 369 attendees registered to attend, combined with substantial numbers of on-the-door attendees pushed the total numbers to an estimated 500.

Appendix B provides a list of pre-booked attendee organisations.

GÉANT project and organisation staff chaired or co-chaired 7 of the 40 sessions and presented at 11 of the sessions. Full presentations are available on the website [PROGRAMME].

7 Conclusions and Next Steps

The feedback for this event from the organisers, programme committee and attendees was very positive, and initial planning has commenced for a second conference in September 2017. The event formed a catalyst for further and deeper collaboration between the e-infrastructure projects. As a result, joint marketing of e-infrastructure activities will continue. This includes:

- Regular e-infrastructure communications within CONNECT magazine.
- Support of e-infrastructure activities through the GÉANT social media channels [NEWS], [FACEBOOK].
- Promotion of e-infrastructure activities in internal news channels.
- Planning for a joint e-infrastructure booth at TNC17 [TNC17].
- e-infrastructure presence alongside GÉANT at SC17 [SC17].

Wednesday 28th September 2016				
9:00 - 10:30 ⬈ Opening Plenary				
Room Venue 1: Aula				
Chair: Łukasz Dutka				
Speakers: Augusto Burgueño Arjona, *"The European Open Science Cloud in 2017 and beyond"*				
Speakers: Karlheinz Meier, *"The brain, the universe and the need for integrated infrastructures"*				
10:30 - 11:30 Coffee Break & Exhibition Venue 2: Rooms: 1.14 + 1.20 + 1.19				
11:30 - 13:00 ⬈ **Community Challenges I (1A)**	⬈ **Towards Interoperable e-Infrastructures (1B)**	⬈ **Building Interoperable AAI for Researchers (1C)**	⬈ **Data Discovery (1D)**	⬈ **EGI Federated Cloud for Developers**
Room: Venue 2: Room 2.41	Venue 2: Room 1.38	Venue 2: Room 3.27.c	Venue 2: Room: 3.27.b	Venue 2: Room 3.27.a
Chair: Gergely Sipos	Diego Scardaci	Licia Florio	Damien Lecarpentier, Lukasz Dutka	Giuseppe La Rocca
				This course will train attendees about the EGI Federated Cloud, and how to develop applications, Platforms, portals, Science Gateways and Virtual Research Environments on top of it.
🖥 EPOS Competence Center - a pilot on using a common e-Infrastructure for accessing and processing Earth Science Data	🖥 EGI-EUDAT interoperability	🖥 eduGAIN - Meeting the challenge of scaling conflicting requirements	🖥 EUDAT B2FIND: A Cross-Discipline Metadata Service and Discovery Portal	
🖥 Disaster Mitigation by e-Science and Advanced Scientific Model	🖥 EPOS use case on top of EGI/EUDAT coupled resources-Misfit analysis	🖥 AARC blueprint architecture for interoperable AAIs	🖥 The Institutional View: Insights from integrating a Research Data Repository with established research practices	
🖥 ELIXIR CC – Federated Cloud services for life sciences	🖥 GÉANT interoperation approach and developments, the GÉANT-CSP	🖥 The EGI AAI Check-In Service		

	integration use case 🔲 Coupling Data and HPC resources together: the EUDAT - PRACE Collaboration activity	🔲 eduTEAMS		

13:00 - 14:00   Lunch
& Exhibition/Demos

	↗ Community Challenges II (2A)	↗ **Solutions for federated service management (2B)**	↗ User experience of AAI (2C)	↗ Data repositories for research (2D)	↗ Making Use of the Linked Open Data Services for OpenAIRE: Querying Data about Research Results, Persons, Projects and Organisations
14:00 - 15:30					
Room:	Venue 2: Room 2.41	Venue 2: Room 1.38	Venue 2: Room 3.27.c	Venue 2: Room: 3.27.b	Venue 2: Room 3.27.a
Chair:	Gergely Sipos	Peter Solagna, Diego Scardaci	David Kelsey	Paolo Manghi	Sahar Vahdati, Giorgos Alexiou Training session focused on the Linked Open Data (LOD) Services recently integrated with the OpenAIRE Infrastructure.
	🔲 Scalable bioinformatics web-servers powered by EGI cloud	🔲 EGI - tools and solutions for federated service management	🔲 A novel AAI approach for the European Integrated Data Archive within EPOS	🔲 Establishing a generic Research Data Repository: The RADAR Service	
	🔲 Challenges for Researchers in the Digital Humanities: custom development vs. sustainable research infrastructures	🔲 EUDAT - tools and solutions for federated service management	🔲 Enabling federated login to WLCG	🔲 Knocking on data repositories' doors - How to build an integrated search index for social and economic data	
	🔲 Services and a distributed infrastructure pilot for the Cherenkov Telescope Array	🔲 GEANT - tools and solutions for federated service management	🔲 ELIXIR and EGI Services Integration		
		🔲 PRACE – tools and solutions for federated service management Panel discussion			

15:30 - 16:00	Coffee Break & Exhibition / Demos Venue 2: Rooms: 1.14 + 1.20 + 1.19				
16:00 - 17:30	⤴ **Serving the 99% of users (3A)**	⤴ Community services (3B)	⤴ Cloud procurement (3C)	⤴ FAIR persistent identifiers (3D)	Visualising Operational Informatics Data using R
Room:	Venue 2: Room 2.41	Venue 2: Room 1.38	Venue 2: Room 3.27.c	Venue 2: Room: 3.27.b	Venue 2: Room 3.27.a
Chair:	Simon Leinen	Damien Lecarpentier	Bob Jones, David Foster	Adam Farquhar	Leslie McIntosh
	E-Infrastructures for the Bioinformatics long tail of science: a user perspective	Federated accelerated computing platforms for EGI	Helix Nebula Science Cloud procurement activities	The importance of Persistent Identifiers and the Role of THOR	
	Serving the long tail	EGI Applications Database	GÉANT pan-European tender for IaaS services	ORCID iDs - Resolving ambiguity in authorship and helping assign credit	
	EGI FedCloud in Digital Humanities	Globally distributed virtual file system for high performance data processing	Panel discussion	DataCite DOIs to Find, Access and Reuse Data	
				Cross-platform integrations: ORCID Auto-Update and Crossref/ DataCite Event Data	
				Disciplin-ary case: DataCite DOIs and ORCID iDs integration at CERN	
18:00-19:00	**Introduction to European e-infrastructures**				
Room:	Venue 2: Room 1.38				
Chair:	Gergely Sipos				
20:00-22:00	DI4R Reception: AGH UST Building A0				

	Thursday 29th September 2016				
9:00 - 10:30	Plenary Session Discussion panel: Digital infrastructures for research				
Room:	Venue 1: Aula				
Chair:	Franciska de Jong, Tony Ross-Hellauer				
10:30 - 11:30	Coffee Break & Exhibition Venue 2: Rooms: 1.14 + 1.20 + 1.19				
11:30 - 13:00	↗ **Application Integration (4A)**	↗ **Cloud Platforms (4B)**	↗ **Integrated Approach Towards Research Engagement (4C)**	↗ **Data Processing Approaches (4D)**	↗ **Federated AAI meets reality, Security Incident Handling Role Play in DI4R**
Room:	Venue 2: Room 2.41	Venue 2: Room: 3.27.b	Venue 2: Room 3.27.c	Venue 2: Room: 1.38	Venue 2: Room 3.27.a
Chair:	Themis Athanassiadou	Simon Leinen	Jan Bot, Sylvia Kuijpers	Paolo Manghi	Sven Gabriel
	CODE-RADE : Community Infrastructure for Automated Cross-Platform Application Delivery	Transient Compute - ARC as Cloud Front-End	Research engagement in GÉANT	EUBra-BIGSEA: cloud services with QoS guarantees for Big Data Analytics	
	Apply User-driven Approach in Service Development: the INDIGO experience	Cyclops - Versatile billing engine made for clouds and beyond	Research engagement in PRACE	Dynamic creation of data pipelines in clouds	
	Enabling scientific applications on hybrid e-Infrastructures: the FutureGateway framework	Jupyter notebook as a Service: enabling easy access to parallel computing	Research engagement in EGI	Australian Data Lifecycle project: giving users a "data pump"	
	Porting your application to VIP with Boutiques		Research engagement in EUDAT		
			Research engagement in RDA Europe		

			Research engagement in OpenAIRE		
13:00 - 14:00	Lunch & Exhibition/Demos Venue 2: Rooms: 1.14 + 1.20 + 1.19				
14:00 - 15:30	**Clouds for Research (5A)**	**Joint Service Catalogue for Research (5B)**	**Managing Data Across the Research Lifecycle (5C)**	**EGI Datahub and the Open Data Platform (5D)**	**Federated AAI meets Reality, Security Incident Handling Role Play in DI4R**
Room:	Venue 2: Room 2.41	Venue 2: Room: 3.27.b	Venue 2: Room 3.27.c	Venue 2: Room: 1.38	Venue 2: Room 3.27.a
Chair:	David Foster	Sergio Andreozzi	Tony Ross-Hellauer	Matthew Viljoen, Lukasz Dutka	Sven Gabriel
	CIRCLE Cloud Services for Research and Education Communities	Why a joint service catalogue for research: the EC viewpoint	Data Management Planning as Infrastructure	Introduction and Demonstration on the Open Data Platform prototype	
	The cloud is not enough	Initial experience in creating a Joint Service Catalogue for e-infrastructure services	The Australian National Research Data Lifecycle Project	Open Data from a Water Reservoir Platform	
	A Cloud-Based Infrastructure for Community-Driven Data Mining on Research Outputs	MERIL portal: experience in data modeling and future plans		iMarine Usecase	
		eInfraCentral: Goals and vision for a joint service catalogue		EO Data Use Case	
		Panel Discussion		Panel Discussion	
15:30 - 16:00	Coffee Break & Exhibition / Demos Venue 2: Rooms: 1.14 + 1.20 + 1.19				
16:00 - 17:30	Exploitation of COPERNICUS Data in the e-infra-structures (6A)	WISE people take action on security (6B)	The INDIGO-DataCloud Service portfolio and scientific	Open Data Sharing (6D)	Building user-defined and user-controlled virtual networks for WAN workflows

Room:	Venue 2: Room 2.41	Venue 2: Room: 3.27.b	usage scenarios (6C) Venue 2: Room 3.27c	Venue 2: Room 1.38	Venue 2: Room 3.27.a
Chair:	Roberta Piscitelli	Dave Kelsey	Giacinto Donvito, Tiziana Ferrari	Tony Ross-Hellauer	Jerry Sobieski
	The Copernicus programme and related initiatives	Overview of WISE	Resource virtualisation services (INDIGO development at the level of IaaS)	Big data science accessing high-end HP	
	European E-infrastructure needs in the context of ESA's proposed EO Application Platform initiative	Best practices in Risk Assessment on the RAW-WG	Federation services (INDIGO development at the level of PaaS)	The Life Cycle of Structural Biology Data: A discipline with a culture of sharing	
	Creating a European Marketplace for EO services	Security in Open Science Grid	INDIGO development in the context of the Scientific Gateway		
	Unleashing the power of Earth Observation data	Security training in EGI	Scenarios for the deployment of INDIGO Services		
	Integrations of the ESA Geohazard and Hydrology exploitation platforms with the EGI infrastructure	Security and the Human Brain Project	Q&A and User Perspective view		
		Panel discussion			

DI4R Gala Dinner

- The Conference Dinner will take place at Stara Zajezdnia Krakow by DeSilva
- Address: Sw. Wawrzynca 12, 31-060 Krakow
- Doors open at 19:30 for welcome and drinks
- Dinner starts at 20:00

19:30-23:00

Friday 30th September 2016

	SME dynamics workshop – towards an integrated approach (7A)	OpenAIRE services and tools (7B)	Towards Environmental Research Infrastructure as a Service for the Open Science Cloud (7C)	Lightning talks (7D)	Explore and design your own workflow for safe data replication
9:00 - 10:30					
Room:	Venue 2: Room 2.41	Venue 2: Room: 3.27.b	Venue 2: Room 3.27.c	Venue 2: Room 1.38	Venue 2: Room 3.27.a
Chair:	Roberta Piscitelli, Annabel Grant	Pedro Príncipe, Tony Ross-Hellauer	Yin Chen, Tiziana Ferrari	Licia Florio, Enzo Capone	Christine Staiger
	SME engagement in EGI and success story testimonial from an SME	Open Access and Open Data in Horizon 2020: OpenAIRE services and tolls for Research managers and Project Coordinators	EISCAT-3D: a Data Centric Design for the Extreme Scale Computing	The Lightning talks track brings together diverse perspectives on data infrastructures and their innovation potential.	
	SME engagement in PRACE and success story testimonial from an SME	OpenAIRE: Open Science as-a-Service	Collection and Analysis of Ocean Big Data: Building the EMSODEV Data Management Platform using EGI Federated Cloud		
	SME engagement in GEANT and success story testimonial from an SME		A Climate Model Intercomparison Data Analysis experiment in the CMIP5 context		
	SME engagement in OpenAIRE and success story testimonial from an SME		The Role of the ENVRI Reference Model in the Development of European Research Infrastructures		
	SME engagement in EUDAT and success story testimonial from an SME		Common Challenges and interoperable solutions in Environmental Research Infrastructures		
	Panel discussion		Panel discussion		
10:30 - 11:30	Coffee Break &Exhibition Venue 2: Rooms: 1.14 + 1.20 + 1.19				

Time	Research workflows - obstacles and solutions (8A)	Harnessing the power of end to end networks (8B)	Virtual research environments for the Open Science Cloud (8C)	Building the data science profession (8D)	The EGI DataHub and Open Data platform
11:30 - 13:00					
Room:	Venue 2: Room 2.41	Venue 2: Room: 3.27.b	Venue 2: Room 3.27.c	Venue 2: Room 1.38	Venue 2: Room 3.27.a
Chair:	Sylvia Kuijpers	Enzo Capone	Sara Garavelli, Annabel Grant	Steve Brewer	Diego Scardaci
	Challenges and Opportunities in Digital Infrastructure at DOE User Facilities	MD-VPN and e-Infrastructure	Virtual Research Environments for implementing Long-tail Open Science	The future of working with data: the EDISON framework for data science professionals	
	Distributed supercomputing for climate modeling?	Challenges in Achieving Optimal End-to-End Network Performance	The BlueBRIDGE multidisciplinary & multi-sector approach: challenges and user benefits	Aligning Research Infrastructure organisational goals with human resource: the role of the data science professional framework	
	Enabling Dynamic Services	GridPP experiences of monitoring the WLCG network infrastructure with perfSONAR	Interactive Panel (BlueBRIDGE, MuG, PhenoMeNal, READ, West-Life)		
	Panel discussion				
13:00 - 14:00	Lunch & Exhibition Venue 2: Rooms: 1.14 + 1.20 + 1.19				

14:00 - 15:30	Closing Plenary
	Keynote: Laurie Goodman, GigaScience: "*Data Citation: Credit Where Credit is Due*"
Room:	Venue 2: Room 1.38
Chair:	Mariusz Sterzel, Adam Farquar

Appendix B

Organisation Name	Number of Attendees
AARNet	2
Academia Sinica Grid Computing Centre (ASGC)	2
ACC Cyfronet AGH	1
ACOnet	1
AdviceGEO	1
AEC-LHEP University Bern	2
AGH University of Science and Technology	7
Aristotle University of Thessaloniki	1
ARN - Algerian Research Network	1
ARNES	2
Athena Research and Innovation Center	2
Barcelona Supercomputing Center	1
BME IK	1
Bogazici University	1
British Library	1
California Digital Library	1
CANARIE	2
Centre de Calcul de l'IN2P3	2
CERFACS	1
CERIST	3
CERN	5
CESGA	1
CESNET z.s.p.o.	8
CESSDA AS	1
CINECA	2
CIRMMP and UNIVERSITY OF FLORENCE	1
CLARIN, University of Twente	2
CNR - ISTI	3
CNRS - IPHC	1
CNRS UMS 3601 IFB-core	1
Compute Canada	3
Copenhagen Business School	1
Council for Scientific and Industrial Research	1
CPPM-IN2P3-CNRS	1
CREATIS	1

Organisation Name	Number of Attendees
CSC - IT Centre for Science	7
CSIR	1
Culham Centre for Fusion Energy	1
Cyfronet	34
DAASI International	1
Danish e-Infrastructure Coorporation (DeIC)	5
DANS	1
Dat Data / Miami Foundation	1
Datacite	1
DESY	1
Deutsches Forschungsnetz - DFN	1
Deutsches Klimarechenzentrum (DKRZ)	2
DFN-Verein	1
Digital Curation Centre	3
EBI	1
EGI Foundation/EGI.eu	17
EISCAT Scientific Association	2
EMBL-EBI	1
Engineering Ingegneria Informatica S.p.A.	4
EPCC, The University of Edinburgh	1
EPFL	1
EUDAT	1
European Commission	2
European Future Innovation System (EFIS) Centre	1
FOM-Nikhef	1
Forschungszentrum Jülich GmbH	2
France Grilles Scientific Interest Group (INSERM,CNRS)	11
Fraunhofer SCAI	1
GÉANT	14
GÉANT 4 / SWITCH	1
Genias Benelux B.V.	1
Georg-August-University Göttingen	1
German National Library of Economics	1
GESIS - Leibniz Institute for the Social Sciences	2
GigaScience	1
GRNET S.A.	5
GWDG	1
Haute Ecole de Gestion Geneva	1

Organisation Name	Number of Attendees
HEAnet	1
Heidelberg University	1
Heinrich-Heine University Duesseldorf	1
Helsinki University Library	1
Hodes Management & Consultancy	1
IBCh PAS, PSNC	1
ICHB PAN - PCSS	1
ICHB PAS - PSNC	1
ICM	2
IFCA-CSIC	1
Imperial College London / Jisc	1
INAF - OATs	2
Indiana University	1
INFN	6
INGV	2
INIST-CNRS	1
Institute For Biocomputation and Physics of Complex Systems (BIFI-UNIZAR)	1
Institute for Research in Biomedicine (IRB Barcelona)	1
Institute of Accelerating Systems and Applications (IASA)	1
Institute of Cosmos Sciences, University of Barcelona	1
Institute of Informatics SAS	1
Instruct	2
IPGP / CNRS	1
IPHC / CNRS	1
Istituto di Scienza e Tecnologie dell'Informazione 'A. Faedo' - National Research Council of Italy	1
Jisc Services Limited	4
Jozef Stefan Institute	1
Karlsruhe Institute of Technology	2
KI AGH	1
KISTI	2
KIT	1
KNMI	2
KTH	1
Leibniz Supercomputing Centre	1
Leibniz Universität Hannover	1
Leiden University	1

Organisation Name	Number of Attendees
LIBIS @KU Leuven	1
LIP	2
LITNET / GEANT	1
Lund University & ICOS Carbon Portal	1
Masaryk University, Institute of Computer Science	2
Max-Planck Computing & Data Facility	1
MPCDF	1
MTA SZTAKI	1
National Institute of Informatics	2
National Research Council, Institute of Biomembrane and Bioenergetics (IBBE-CNR)	1
Netherlands eScience Center	2
Netherlands Institute of Ecology	1
Nikhef	3
NORDUnet	1
Oxford University	1
Particle Physics Department STFC, Rutherford Appleton Laboratory	1
PSNC	1
RENATER	1
Research Data Services	1
RIPE NCC	1
RRZE / University of Erlangen-Nuremberg	1
Rudjer Boskovic Institute	2
SCC	1
School of Computer Science and Informatics, CU	1
Science and Technology Facilities Council	1
Science for Life Laboratory	1
STFC	7
Stichting eIFL.net	1
SURF	1
SURFnet	4
SURFsara	10
SWITCH	3
Tampere University of Technology, Finland	1
Technical University of Denmark	1
Technische Informationsbibliothek (TIB) German National Library of Science and Technology	1
Terradure	1

Organisation Name	Number of Attendees
The British Library	1
The Centre for Computational Science - UCL	1
The Hague University of Applied Sciences	1
The National Library of Finland	1
The Netherlands Organisation for Scientific Research (NWO)	1
The University of Sheffield	1
Trust-IT Services LTD	3
Uninett AS	1
Universitat Autònoma de Barcelona	1
Universitat Politècnica de València	1
Université Libre de Bruxelles	1
Universiti Putra Malaysia	1
University College London	1
University Computing Centre (SRCE)	3
University of Amsterdam	3
University of Bonn-Germany	1
University of Glasgow	1
University of Minho	1
University of Oslo, Department of Geosciences	1
University of Southampton	1
University of Twente	3
University of Vienna	1
Utrecht University	4
Vlaams Instituut voor de Zee	1
Vrije Universiteit Brussel	1
Washington University in St. Louis	1
Zurich University of Applied Sciences	1
No organisation declared	16
Total registered delegates	**369**

References

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[eduTEAMS]	http://www.geant.org/Innovation/eduteams/Pages/Home.aspx
[EGI]	https://www.egi.eu/
[ELIXIR]	https://www.elixir-europe.org/
[EPOS]	https://www.epos-ip.org/
[EUDAT]	https://www.eudat.eu/
[EVENTS]	https://www.digitalinfrastructures.eu/content/co-located-events
[FACEBOOK]	https://www.facebook.com/GEANTcommunity/
[**FitSM**]	http://fitsm.itemo.org/fitsm-training
[INDIGO]	https://indigoprojects.eu/
[NEWS]	http://www.geant.org/News_and_Events/CONNECT
[OpenAIRE]	https://www.openaire.eu/
[ORCID]	https://orcid.org/
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[TWITTER]	https://twitter.com/DI4R_eu
[WEBSITE]	https://www.digitalinfrastructures.eu/
[WISE]	https://wise-community.org/
[WLCG]	http://wlcg.web.cern.ch/

Glossary

AAI	Authentication and Authorisation Infrastructure
ARC	Advanced Resource Connector
CSP	Cloud Solution Provider
DI4R	Digital Infrastructures for Research
DOI	Digital Object Identifier
EO	Earth Observation
EPOS	European Plate Observing System
FiTSM	(Family of standards for) IT Service Management
HPC	High Performance Computing
IaaS	Infrastructure as a Service
LHC	Large Hadron Collider
LOD	Linked Open Data
QoS	Quality of Service
RDA	Research Data Alliance
THOR	Technical and Human Infrastructure for Open Research
VIP	Virtual Imaging Platform
WISE	Wise Information Security for Collaborating E-infrastructures
WLCG	The Worldwide LHC Computing Grid