



# D6.07 ExPaNDS representation material for relevant large International Conferences

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## Abstract

In relation to our ExPaNDS representation material for relevant large international conferences, we're happy to provide an update on the recent events attended in 2022. This report outlines those events and updates.

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## Executive Summary

*The Photon and Neutron Research Infrastructures across Europe play an important role in scientific research, helping scientists from a wide variety of different disciplines gain deeper insights into major questions in their respective fields. The wider aim is to help accelerate scientific progress by encouraging data sharing through the European Open Science Cloud (EOSC). Making data more widely available helps spur scientific progress. The more access scientists can get to accurate, well-described data from past experiments, the better they can fine-tune their research. All this lies at the heart of our communication commitment with specific science messages for targeted groups, events, sharing our use cases and highlighting our community engagement.*

*We have built and increased the online engagement and therefore created great content to be disseminated amongst a number of important events. Although the travel restrictions were lifted many international events chose not to take risks and offered online attendance, which has resulted in people opting to stay home and attend virtually, this also impacted potential networking opportunities. As travel restrictions have eased, we have been able to attend several important events allowing us to highlight the achievements of the grant to date. Here is a summary of these events we secured presence at.*

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## 1. Planned events impacted by the pandemic

### 1.1. American Association for the Advancement in Science

The **American Association for the Advancement in Science (AAAS)** is an American international non-profit organisation with the stated goals of promoting cooperation among scientists, defending scientific freedom, encouraging scientific responsibility and support scientific education and science outreach for the betterment of all humanity<sup>1</sup>. Unfortunately, the previous annual meeting of 2022 was moved to be fully virtual, not giving us the results and more importantly the interactions we were looking for, let alone generate a beneficial return on investment. For their 2023 event, which was due to coincide with the end of ExPaNDS and was due to take place in February we looked to hire a corner booth to allow us to showcase our grant findings and share our results for each work package. Unfortunately for the first time in the history of AAAS and impacted by the pandemic, the event has had to be moved and is now scheduled to take place after our grants ends. The new dates for AAAS are from the 2<sup>nd</sup> to the 5<sup>th</sup> March 2023. We have been advised by the organising committee from the AAAS that this was purely down to the convention centre availability and will revert back to their normal scheduled week around the 14<sup>th</sup> February for 2024.

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<sup>1</sup> Reference Wikipedia page:

[https://en.wikipedia.org/wiki/American\\_Association\\_for\\_the\\_Advancement\\_of\\_Science](https://en.wikipedia.org/wiki/American_Association_for_the_Advancement_of_Science)



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## 2. Completed events

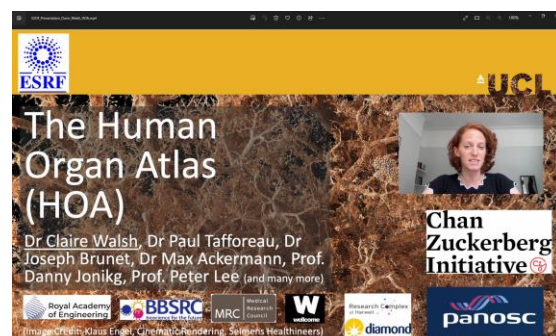
### 2.1. EuroScience Open Forum (ESOF 2022<sup>2</sup>)

In collaboration with our sister project PaNOSC we hosted an online conference session under the theme “Open Data for healthier societies: a virtuous cycle?” as part of the **EuroScience Open Forum (ESOF 2022<sup>3</sup>)** Programme on Saturday 16<sup>th</sup> July from 07:00 – 08:15 GMT+1CEST.

We delivered three exciting talks about science campaigns by known individuals from different science areas highlighting the crucial importance of open data emphasising how these campaigns have been achieved through open access leading to faster discoveries and breakthroughs in the life sciences domain and beyond.

Our work package leader for Dissemination and Outreach – Isabelle Boscaro-Clarke hosted the ESOF session and our schedule was as follows:

07:00 – 07:05	Welcome by Isabelle Boscaro-Clarke and introduction of Dr Ben Perry
07:05 – 07:23	<b>Dr Ben Perry on COVID Moonshot</b>
07:23 – 07:26	Introduction of Dr Claire Walsh
07:26 – 07:38	<b>Dr Claire Walsh on Human Organ Atlas</b>
07:38 – 07:41	Introduction of Dr Sam Horrell
07:41 – 07:58	<b>Dr Sam Horrell on COVID / Protein Data Bank (PDB)</b>
07:58 – 08:00	Introduction of Prof. Andrew Harrison from Diamond Light Source
08:00 – 08:15	Round table / Panel discussion chaired by Isabelle Boscaro-Clarke and joined by Professor Andrew Harrison and others



<sup>2</sup> ESOF website: <https://www.esof.eu/>

<sup>3</sup> ESOF events page: <https://www.esof.eu/events/open-data-for-healthier-societies-a-virtuous-cycle/>



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Alongside the three renowned scientists in the life sciences domain, we also had a representative from the League of European Accelerator-based Photon Sources (LEAPS) – Prof. Dr Andrew Harrison. The focus of the round table discussion was based on the topic of “open data for healthier societies”<sup>4</sup>. The speakers will highlight how all these are leading to faster discoveries and breakthroughs in the life sciences domain and beyond.

## 2.2. 12<sup>th</sup> International Conference on Inelastic X-ray Scattering

ExPaNDS sponsored the **12<sup>th</sup> International Conference on Inelastic X-ray Scattering (IXS2022<sup>5</sup>)**, which took place in person from the 21<sup>st</sup> to 26<sup>th</sup> August 2022 at Saïd Business School in the city centre of Oxford. This conference had over 100 delegates attend in person, representing the Inelastic X-ray Scattering community with attendees from 14 different countries around the world.

The initial announcement of the event targeted over 3,000 scientists interested in the use and development of both Resonant and Non-resonant Inelastic X-ray Scattering to address a broad range of materials science challenges.

Our branded media stand in the conference foyer allowed us to network with all visiting scientists sharing with them our branded material such as infographics, use cases and explain our grant objectives. ExPaNDS also sponsored a branded water bottle for each delegate and Alejandra Gonzalez Beltran, the Data & Software Engineer Group Leader at STFC, who is involved in WP2 delivered a presentation working Towards FAIR and open photon and neutron data.



<sup>5</sup> IXS2022 website: <https://www.diamond.ac.uk/Conference/IXS2022>



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## 2.3. Public Awareness of Research Infrastructures 2022 (PARI'22)

ExPaNDS presented on “Community engagement & grant outputs” at the **Public Awareness of Research Infrastructures 2022 (PARI'22<sup>6</sup>)** conference which took place at the SKA Observatory for the European Association of National Research Facilities from Monday 18<sup>th</sup> to Wednesday 20<sup>th</sup> July 2022. This event gathered senior engagement staff from key European Research Infrastructures (RIs). Our presentation highlighted the main community engagement activities and outputs from the ExPaNDS grant through the collaboration with our European grant members, by showcasing our grant promotional video and the use case videos.

<sup>6</sup> PARI 2022 website: <https://skao.eventsair.com/pari2022/>



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**ExPaNDs statements gained from director engagement interviews**

*"There is a wealth of data behind all the scientific papers that are published each year. However, it is increasingly difficult to get access to all this valuable information. We propose to make this data accessible through the European Open Science Cloud so that its potential benefits can be fully explored and exploited by scientists and the public alike. In this age of data driven science this is an important step to accelerating new advances in science from European Photon and Neutron Research Infrastructure."*

*Professor Václav Gzilov, IT Director at DESY*

*"We are increasingly seeing in some communities, the recognition that by sharing the data on an appropriate timescale, ideally as soon as possible, there are some real benefits to be had. So I think the challenge, the cultural challenge is to demonstrate to the science community at large that actually the benefits greatly outweigh the risks."*

*Professor Andrew Harrison, CEO at Diamond Light Source*

*"To get optimum value out of having open data and a consistent approach to having data we need to be inclusive, we need to actually involve as many different facilities and research establishments as possible and that is a really big coordination job."*

*What the ExPaNDs and PaNOSC grants provided is an excellent basis for continuing this work on open data and being able to share data. They set a really very clear direction for how we can develop this further and really great opportunities then to build on what has been achieved. This is a big endeavour, and that support has been critically important, but the next step is also vitally important."*

*Professor Roger Eadesstone, Director at ISIS Neutron and Muon Source*

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European Photon and Neutron Research Infrastructure

**THANK YOU FOR YOUR TIME**



**ExPaNDs**  
European Photon and Neutron Research Infrastructure

## 2.4. International conference on research infrastructures 2022 (ICRI)

ExPaNDs in collaboration with PaNOSC successfully applied for a co-located event at the **“2022 International conference on research infrastructures (ICRI<sup>7</sup>)”**, taking place in Brno, CZ Republic in October 2022. This 3rd Photon and Neutron (PaN) EOSC Symposium on sustainable data from PaN facilities as a satellite event to the International Conference of Research Infrastructures (ICRI), held in Brno (CZ) on the 18<sup>th</sup> October 2022.

This event was the 3<sup>rd</sup> instance of our series: “Symposium on Photon and Neutron (PaN) science in Europe”. Being co-located with ICRI gave us the unique opportunity to reach out to non-PaN infrastructures and communities. Our symposium, which hosted 12 participants onsite and 32 online attendees, aimed to share the major results achieved in making FAIR data a reality at PaN facilities across Europe, and to explore how a “PaN Data Commons” can be integrated into the EOSC, in collaboration with the other ESFRI cluster projects.



The two project coordinators, Andy Goetz (PaNOSC) and Patrick Fuhrmann (ExPaNDs) opened the event by introducing to the audience the PaN facilities and the role of the two projects in preparing the path towards FAIR data for both PaN RI managers and staff scientists, as well as current and future users. Our coordinators concluded that the two projects have paved the way forward to making PaN

7 ICRI 2022 website: <https://www.icri2022.cz/>



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FAIR data a reality and have helped spread the FAIR principles to the PaN community, which will keep on contributing FAIR open data and data services to the EOSC.



Presentation by Patrick Fuhrmann – [Data Strategy: the future of the ExPaNDS and PaNOSC Projects](#)

Presentation by Andy Goetz – [PaNOSC and ExPaNDS outcomes Part 2](#)

Besides our involvement in RDA, presenting ourselves at ICRI and the EGI conferences we organised evening networking events allowing us to reach out to all those involved in data strategy. We managed to secure ‘by invitation only’ access to ICRI, which was an effective mechanism to reach out to other communities to promote our ideas on common data policies, which in turn allowed for important discussions and networking connections. This is particularly important for Research Infrastructures (RIs) supporting more than one scientific community.

We published “3<sup>rd</sup> PaN EOSC Symposium – An Overview” on our website and can be found here: <https://expands.eu/2022/11/28/3rd-pan-eosc-symposium-an-overview/>

## 2.5. EGI Conference 2022

Jointly with PaNOSC we presented both projects at the annual EGI Conference 2022<sup>8</sup>, which took place from 19<sup>th</sup> to the 23<sup>rd</sup> September 2022 in Prague under the banner of “Together for Tomorrow – Innovative Computing for Research”. The conference went on a journey of how innovative computing services and solutions help to build better research ecosystems. Oliver Knodel from HZDR, involved in WP5, presented the Training Portal for PaN Data Services at the poster<sup>9</sup> sessions on the 20<sup>th</sup> September which had the ~200 EGI attendees present. Teodor Ivanoaica from ELI ERIC delivered a joint presentation<sup>10</sup> for both grants on Thursday 22<sup>nd</sup> September giving an overview for the PaN Community: Beyond ExPaNDS and PaNOSC to approximately of 20-30 attendees.

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8 EGI Conference website: <https://indico.egi.eu/event/5882/overview>

9 Training Portal for PaN Data Services poster: <https://zenodo.org/record/6786282#.Y615oXbP2Uk>

10 Link to joint presentation:

<https://indico.egi.eu/event/5882/contributions/16672/attachments/14793/19071/Beyond%20ExPaNDS%20and%20PaNOSC-%20EGI-conference-2022.pdf>



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**Photon and Neutron (PaN) Community Beyond ExPaNDS and PaNOSC**

**Presenter:** Teodor Ivănoaica (ELI ERIC)

**Contributors:** Andy Götz (ESRF), Patrick Fuhrmann (DESY), Marta Gutiérrez (EGI), Giuseppe Larocca (EGI), Mousumi Upadhyay Kahaly (ELI ALPS), Juliane Marauska (DESY)

22<sup>nd</sup> of September 2022

## 2.6. EOSC Synergy Final Event

The ExPaNDS project coordinator was invited to the EOSC Synergy Final Event, which was hosted as part of the IBERGRID 2022 and IBERGRID EOSC Tripartite event. This took place in Faro, Spain from the 10th – 13th October 2022.

It was a great event which showcased the close collaboration we had with our colleagues from EOSC Synergy, particularly on service and software quality. The ExPaNDS coordinator



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presented 11 challenges faced by the PaN facilities when adopting FAIR data along with the achievements of ExPaNDS in tackling these.

## 2.7. PaNOSC Closing Event

Over the past three years, we have worked closely with PaNOSC and therefore we attended the PaNOSC Closing Event<sup>12</sup>, which took place from the 29<sup>th</sup> – 30<sup>th</sup> November in Grenoble. The event aimed to present a way forward for the major results the grant has achieved, with project contributors gathering to discuss the future and sustainability of the tools, software and services developed to make data FAIR at European PaN facilities and working towards the implementation of a PaN Data Commons to further contribute to the EOSC.

Over 120 participants, from IT staff, RI managers, communication specialists, EOSC project contributors, coordinators and expert scientists attended the closing event, which also offered hybrid attendance.

This event also gave us the opportunity to showcase our major highlights and collaboration with PaNOSC presented by our coordinator.<sup>13</sup>

A recording of the event is available here:

<https://www.youtube.com/playlist?list=PL6SyaCbHBVfrTHCnYXL2iiVwNegPIKQ8Y>



<sup>11</sup> FAIR data in Photo and Neutron community session information:

<https://indico.lip.pt/event/1249/contributions/4433/>

<sup>12</sup> Presentation booklet from the PaNOSC closing event: <https://zenodo.org/record/7400129#.Y62HSHbP2Uk>

<sup>13</sup> Presentation by the ExPaNDS coordinator can be found here:

<https://indico.esrf.fr/event/66/contributions/265/>



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### 3. Further outreach

#### 3.1. Senior level engagement

One of the main dissemination building blocks, during the second half of our project has been the engagement of senior management at the PaN facilities in our efforts to create common data policy standards.

Our initial plan to organise special sessions or interviews during high level events didn't materialise as those events either were online only, or restrictions didn't allow for extra activities like interviews. We therefore changed the strategy and are planning for a series of interviews of high-level management at the facilities themselves. Please refer to deliverable D6.24<sup>14</sup> for details.

In relation to our ExPaNDS deliverable D6.24 we have created four senior management engagement interviews with facility member directors. Our deliverable output D6.24 shares the interviews conducted so far and the gained outputs. These can also be found on our website:

#### 3.2. EU Researcher magazine

We commissioned a three-page article about ExPaNDS with the EU Researcher magazine<sup>15</sup>, which is a world leading open access publication for scientific research and dissemination. This article is due to be published in July 2022 and can be viewed in full [here](http://www.euresearcher.com/3/magazines).



<sup>14</sup> Senior Level engagement deliverable: <https://zenodo.org/record/6924873#.Y62BKnBP2UK>

<sup>15</sup> EU Researcher magazine website: <http://www.euresearcher.com/3/magazines>



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## 4. Results/Conclusions

Through ExPaNDS, the grant has reached over 14,000 users via direct mail-outs as well as attending key community conferences like IXS2022. In addition, the grant was able to mobilise just over 50 data ambassadors within the user community and managed to secure high profile networking events like ICRI2022 and PARI 2022, where influencers from across the globe were reached and presented with key messages around FAIR and open science based on the work delivered by all work packages.

To secure the change needed in policy, the grant also delivered high profile senior engagement all supporting and showcasing our key messages and the impact of the work undertaken and used high level networking to disseminate.

