Triple

Transforming Research through Innovative
Practices for Linked Interdisciplinary Exploration

Improving Discovery and Collaboration in Open Science
Final TRIPLE Conference
1-3 February 2023
Bonn, Germany

Since its launch in October 2019, the TRIPLE project has been applying the vital principles of open science to revive the approach for research in social sciences and humanities. The project has begun with the vision of increasing the impact of research in social sciences and humanities by creating a solution for discovering research outputs without disciplinary or linguistic limitations. Throughout the development of the [GoTriple](#) research platform, it strived to improve the reuse, discoverability, and cooperation within SSH.

At the heart of the project is an idea that imagines new ways of conducting, connecting and discovering research that could bring a new sense of possibility and cooperation to European researchers. By enabling the discovery of an immense range of resources whose visibility had previously been restricted to national or topical communities, the GoTriple platform was built around facilitating interdisciplinary projects, supporting large-scale scientific collaborations, and minimising the cost of research. The platform will also ease the industrial and societal use of scientific achievement and support the application of SSH research in civic policy.

Since the project's beginning, TRIPLE has promoted European cultural and linguistic diversity. Consequently, it connects researchers and projects with other stakeholders: citizens, policymakers, and companies, enabling them to participate in joint research projects and address some of their issues.

GoTriple is intended to facilitate and, eventually, overcome the borders that separate disciplines and researchers from each other.

The platform will provide a central access point for researchers, institutions such as universities and libraries, enterprises, consultancies, media and service providers. This is just the beginning and there is still a lot to be improved but the way is paved.

Suzanne Dumouchel

Project coordinator

Content

Auditorium

1.2.2023

13:00–14:00
Lunch (Foyer)

14:00–14:10
Welcome Speech
Harald Rosenbach (MWS)

14:10–14:45
Introduction
Suzanne Dumouchel (CNRS)

14:45–15:30
GoTriple Demo & User Registration
Emilie Blotière (CNRS)
Agnieszka Szulińska (IBL PAN)

15:30-16:00
Coffee Break (Foyer)

16:00–17:00
Keynote
Leslie Chan (University of Toronto)
**Platform and Knowledge Production
in the Age of A.I.**
Chair: Suzanne Dumouchel (CNRS)

17:00–18:00
Scholarly Communication
Chair: Pierre Mounier (OPERAS AISBL)

Sy Holsinger (OPERAS AISBL):
**OPERAS Service Portfolio and
Wider Opportunities**

Tomasz Umerle (IBL PAN),
Agnieszka Karlińska (IBL PAN):
**The Role of Open Metadata in the SSH
Scholarly Communication –
Current Challenges in the Context of the TRIPLE
Project**

18:00
Poster Session
with Drinks & Food

20:00
Social Dinner
Restaurant „Im Stiefel"

2.2.2023

8:30–9:00
Welcome Coffee (Foyer)

9:00–10:00
Keynote
Andrea Rapp (TU Darmstadt):
**Research Communities, Visibility and Infrastructure:
The Impact of Open Science**
Chair: Michael Kaiser (MWS)

10:00–11:30
Collaboration in SSH and beyond
Chair: Irena Vipavc Brvar (CESSDA /UL-ADP)

Caroline Delmazo (University of Coimbra),
Dulce Freire (University of Coimbra):
**Collaboration and Beyond:
the Interdisciplinary Research with
and Within the ReSEED Project**

Tiziana Lombardo (Net7):
**Developing a Collaboratory
for Diverse SSH Citizen Science Stakeholders –
the VERA Design**

Martina Petrinovic (DPUH):
**Participatory Mapping of Cultural Heritage in
Remote Areas –
Potential to Engage the Local Community**

11:30-12:00
Coffee Break (Foyer)

12:00-13:30
Panel Discussion:
*On Finding the Common Ground:
Collaboration Between Technical and Non-Technical
Teams*
Chair: Leonie Disch (Know-Center)

Marta Błaszczyńska (IBL PAN)
Tomasz Hoffmann (PSNC)
Stefano De Paoli (Abertay University)
Alessandro Rizzo (IRD)
Luca De Santis (Net7)

Auditorium

2.2.2023

13:30–14:30
Lunch (Casino)

14:30–16:00
Data & Metadata I
Chair: Luca de Santis (Net7)

Cezary Rosińsky (IBL PAN),
Nikodem Wolczuk (IBL PAN):
**Linked Data Services as a Necessity
for Current Metadata Aggregators in the SSH**

Alessandro Bertozzi (Net7):
**A Small Step, a Big Jump:
GoTriple and Linked Open Data**

Patryk Hubar (IBL PAN),
Marcin Giersz (IBL PAN):
**European Literary Bibliography:
Aggregation and Harmonization
of Literary Bibliographical Data**

16:00–16:30
Coffee Break (Foyer)

16:30–18:00
Panel Discussion:
Training and Reusability
Chair: Francesca di Donato (CNR)

Sonja Filipovska (UKIM – Cyril and Methodius
University in Skopje):
**FAIR-by-design Methodology for Learning
Resources: Skills4EOSC and NI4OS-Europe**

Lottie Provost (CNR):
**TRIPLE OS Training Series:
Achievements, Lessons Learnt, Next Challenges**

Monica Monachini (CNR/CLARIN):
**A FAIR Training Platform
for Italian Humanities and Heritage.
Building on the CLARIN and SSHOC experience**

Irena Vipavc Brvar (CESSDA /UL-ADP):
Training in EOSC Future Project

3.3.2023

8:30–9:00
Welcome Coffee (Foyer)

9:00–10:00
Keynote
Ari Asmi (RDA)
**Internationalising European
Open Science initiatives:
A decade of Research Data Alliance – or more?**
Chair: Peter Kraker (OKMaps)

10:00–11:00
Collaborations & Multilingualism
Chair: Emilie Blotière (TRIPLE)

Pablo Calleja (Universidad Politécnica Madrid),
Elea Gimenéz (Consejo Superior de Investiga-
ciones Científicas):
**Other Outputs, Other Languages: Discovering
Entities Inside Academic Books in Spanish**

Susanna Fiorini (OPERAS AISBL):
**Translations and Open Science:
Translation as a Collaborative Practice at the
Heart of Open Science**

11:00-11:30
Coffee Break (Foyer)

11:30–12:30
Data & Metadata II
Chair: Arnaud Gingold (OPERAS AISBL)

Andreas Czech (KIT):
**Data Trust Model in Research and Economy:
Conceptual Design of a Mobility Data Trust
(TMD)**

Michael Freiberg (University of Gießen):
Semantic MediaWiki as a Research Tool

12:30–13:00
Closing Remarks
Suzanne Dumouchel (CNRS)

Michael Kaiser (MWS)

13:00–14:00
Lunch (Foyer)

15:00-18:00
Hike to Drachenfelsen

Workshops

Thursday, 2.2.2023

10:00–11:30
Workshop 1:
GoTriple's Data
Discussing Quality, Scope and Scientific Reuse

Tomasz Umerle (IBL PAN)
Cezary Rosiński (IBL PAN)

12:00–13:30
Workshop 2:
CESSDA Data Catalogue
What can be Done at the Catalogue End
and What Needs Harmonized Metadata?

Taina Jääskeläinnen (CESSDA)

14:30–16:00
Workshop 3:
Connecting Within-discipline Infrastructures
in Support of Cross-disciplinary Collaborations
to Tackle Global Challenges for Open Science
Collaborations & Multilingualism

Alessandro Rizzo (IRD)
Alessia Smaniotto (Open Edition)
Jessie Abbate (GEOMATYS)
Sarah Kada (GEOMATYS)

16:30–18:00
World Café:
It's German Coffee and Cake o'clock –
Chatting Openly About Discovery with
Representatives From Germany

National Node OPERAS-GER
Pattrick Piel (MWS)
Marlen Töpfer (MWS)

Friday, 3.2.2023

10:00–11:00
Workshop 4:
How to Become a GoTriple Provider?

Arnaud Gingold (OPERAS AISBL)
Luca de Santis (Net7)

Platform and Knowledge Production
in the Age of A.I.

Leslie Chan (University of Toronto)
Chair: Suzanne Dumouchel (CNRS)
Wednesday, 1 February 2023
16:00–17:00

Large-scale digital platforms designed by corporate publishers are increasingly shaping and reconfiguring all aspects of knowledge production and circulation. In the process, these platforms are reshaping the governance of academic labour in powerful but invisible ways. While designed to capitalize on the extraction, collection, and analysis of big data and their traces generated by researchers and their institutions, these platforms create new markets and fashion new „values" in the forms of analytics that researchers seek. The AI in the title of this talk does not refer to Artificial Intelligence, although this is highly implicated in platform design and its logic. AI in this context refers to Automating Inequality, a term borrowed from Virginia Eubanks' book Automating Inequality: How High-Tech Tools Profile, Police, and Punish the Poor. Analogous to Eubanks' study, I argue that the predominant knowledge platform design favours the already „rich" in scholarly capital and institutional advantages and punishes the scholarly poor and those on the epistemic margins. Far from a democratizing force, open science has become a practice of complying with standards and with funders' policy and mandates, which further exacerbates deep-seated inequality. Reflecting on our many failed attempts at reclaiming the knowledge commons and co-creating open infrastructure, I call for new imaginaries and narratives of what open scholarship may look like or aspire to be. As infrastructure are fundamentally relational, we need to ask what kind of relationships we want to nourish.

Leslie Chan is Associate Professor, teaching in the Department of Global Development Studies and the Director of the Knowledge Equity Lab at the University of Toronto Scarborough. Leslie is interested in the role and design of knowledge infrastructure and their impact on local and international development. He has been studying the geopolitics of academic knowledge production and the uneven power relations embedded in this production. Leslie was the PI of the Open and Collaborative Science in Development Network (OCSDNet). He is on the advisory board of the San Francisco Declaration on Research Assessment (DORA), Directory of Open Access Journals (DOAJ), the Latin America journal platform Redalyc/AmeliCA, and the steering committee of Invest in Open Infrastructure (IOI).

Keynotes

Research Communities, Visibility and Infrastructure: The Impact of Open Science

Andrea Rapp (TU Darmstadt)
Chair: Michael Kaiser (MWS)
Thursday, 2 February 2023
9:00–10:00

On the one hand, the lecture takes a focused perspective by asking about the state of digitisation of research and infrastructure in selected research communities in Germany. On the other hand, this perspective is broadened through European contextualisation and a look at other disciplines and the research landscape as a whole. Based on the question of visibility, the canonisation and marginalisation of research objects and research processes, the impact of Open Science in research and society is considered.

Andrea Rapp studied German language and literature, art history and ethnology at Trier University and received her doctorate there in 1996 in the field of older German philology. This was followed by positions at Trier University, including managing director of the ‚Trier Center for Digital Humanities' and head of the digitisation centre at the Lower Saxony State and University Library in Göttingen. Since 2010, she has been Professor of German Studies – Computational Philology and Medieval Studies at Technical University of Darmstadt, where she was also Vice President for Scientific Infrastructure from 2017-2019. She is a full member of the Academy of Sciences and Literature | Mainz. In addition to her research interests in the field of cultural heritage digitisation, digital textual scholarship and digital lexicography, she is involved in the development of research infrastructures such as TextGrid, DARIAH or Text+ and is the chair of the ‚Association for Research Infrastructures in the Humanities and Cultural Studies, e.V.'.

Internationalising European Open Science initiatives: A decade of Research Data Alliance – or more?

Ari Asmi (RDA)
Chair: Peter Kraker (OKMaps)
Friday, 3 February 2023
9:00–10:00

Research Data Alliance was found to facilitate global collaborate solutions for research data challenges, with ten year time horizon. After a decade, have we fixed everything, or is there still a place for RDA? This talk presents some of the lessons learned from this history, how RDA fits in the ever evolving Open Science environment, and what new we can offer to European and global data experts in the following years.

Ari Asmi has a background in climate science, working in the interface between atmospheric observations and climate models. After his doctorate, he started to work on more interoperable observational data development, and he also became an active member of the rapidly developing Research Data Alliance. He has been involved in the core team developing the ENVRI community of European environmental research infrastructures, being part of direction of the major cluster projects ENVRI PLUS and ENVRI FAIR, as well as participating in different roles in several other European Commission funded projects, particularly in connection to EOSC. In addition to his pan-European and domain specific skills, Ari has significant knowledge of national level Open Science environments and the research data management challenges faced by Research Performing Organisations (RPOs).

Since 2022, he has led the Research Data Alliance Association (Europe), and now coordinates the newly started RDA TIGER project.

Keynotes

Scholarly Communication

Chair: Pierre Mounier (OPERAS AISBL)
Wednesday, 1 February 2023
17:00–18:00

Presentations

OPERAS Service Portfolio and Wider Opportunities

Due to several factors, such as the small size of resource providers, the historical under-funding, and lack of sustainability in the area of scholarly communication in social sciences and humanities, the variety of technical skills and resources across Europe is fragmented and not organised enough to be efficient, particularly to address the challenge of transitioning to Open Science. By fulfilling its mission, the distributed research infrastructure OPERAS provides the research community with the missing brick it needs to find, access, create, edit, disseminate and easily and efficiently validate SSH outputs across Europe.

A number of services have been developing over the last several years across the OPERAS community through a variety of projects to address these needs. Though many are in various stages of maturity, a coherent picture is coming together for what is available for the SSH community.

The OPERAS service portfolio offers different types of services that adapt to the organisational structures available such as managed services where the individual services are not only sustained by OPERAS Research Infrastructure (RI), but where OPERAS is also re- sponsible for the full service delivery. GoTriple is a perfect example of this type of service. Another type of service are community services that are managed directly by the community provider, such as the Peer Review Information Service for Monographs (PRISM) provided by DOAB, but is supported and disseminated by OPERAS. In addition, there are a number of internal services that facilitate the operation of the OPERAS federation as a whole such as the OPERAS ID (single sign-on). The categories that these services cover a range from discovery, analytics, quality assurance, and research for society to multilingualism.

This presentation focuses on providing participants with an overview of the innovative OPERAS service portfolio, future activities and opportunities for engagement for open science.

Sy Holsinger is the Chief Technology Officer (CTO), employed by the OPERAS AISBL. In the role of CTO, he is in charge of the technical vision and service strategy, coordinating the teams behind the solutions, and aligning with the overall organisational strategy to ensure the delivery, sustainability, efficiency, and effectiveness of the OPERAS portfolio of services. Previous to OPERAS, Sy spent more than fifteen years in EU-funded projects related to the development and implementation of e-Infrastructures for research and innovation as well leading commercial exploitation such as in the series of EGEE projects, EGI flagship projects, EOSC-hub and EOSC Future projects. In addition, he is a certified expert, trainer and auditor (ISO 19011) in both FitSM (Service Management) and ISO/IEC 27001 (Information Security) standards, and volunteers as Co-chair of ITEMO (IT Education Management Organization) to evolve the FitSM standard. Sy studied Business Communications and Management in the U.S as well as served in the U.S. Air Force.

The Role of Open Metadata in the SSH Scholarly Communication – Current Challenges in the Context of the TRIPLE Project

In this presentation we will outline current challenges for SSH publications' metadata based on the experiences of metadata aggregation and enrichment realised within the TRIPLE and discuss the overarching challenges for SSH metadata aggregation in the current data ecosystem. We will focus on a limited number of metadata categories, namely persistent identifiers, abstracts, keywords and citations, and for those categories, present a quality assessment showcasing the most crucial and overarching challenges for the aggregation process. These challenges include 1. limitations of providers' metadata quality and interoperability of their services, 2. dispersion of metadata resources and its impact on the ability to properly monitor and shape the aggregation scope, 3. defining the roles of local and aggregator's metadata for the document's content description. We will propose an approach to these challenges that is twofold. On the one hand, it has to do with developing and maintaining collaborations with initiatives such as OpenAbstracts, OpenCitations, and Dublin Core Working Groups for knowledge exchange that would lead to new, state-of-the-art technological implementations for crucial parts of aggregation and enrichment pipelines.

On the other hand, in a complex data ecosystem, the SSH metadata aggregator needs to propose and develop its own domain specific technological solutions. For the future of GoTriple, we argue, it is critical to offer its output in a way that is technologically flexible and interoperable with other service providers (especially other key aggregators and providers) and satisfies the current demand for databased analysis.

Tomasz Umerle is an assistant professor, deputy director of the Department of Current Bibliography and a leader of the Computations lab at the Digital Humanities Centre at IBL PAN. In the Centre, he is responsible for R&D activities and coordinating the development of the research infrastructure. Currently, he is engaged in the DARIAH-PL project as the coordinator of the Laboratory for supervised semantic discovery. He is chairing the "Bibliographical Data" Working Group at the DARIAH-ERIC consortium. Interested in cultural and scientific metadata, mostly bibliographical, and documentation of literary culture.

Agnieszka Karlińska: M.A., sociologist, literary and cultural studies scholar, NLP specialist at NASK National Research Institute, PhD candidate at the Faculty of Sociology at the University of Warsaw, and a member of the Computations lab at the Digital Humanities Centre at the Institute of Literary Research of the Polish Academy of Sciences. Her main research areas are text analysis, NLP, sociology of law, medical sociology, and sociology of literature. She has published papers at the intersection of sociology, linguistics, and literary studies in "Digital Scholarship in the Humanities", "International Journal of Law and Psychiatry", and "Qualitative Sociology Review", among others.

Collaboration in SSH & Beyond

Chair: Irena Vipavc Brvar (CESSDA/UL-ADP)
Thursday, 2 February 2023
10:00–11:30

Collaboration and Beyond: the Interdisciplinary Research With and Within the ReSEED Project

The ReSEED – Rescuing the seeds' heritage project (https://reseed.uc.pt/), was conceived and only made sense through interdisciplinarity. Since 2018, the goal of investigating the socio-economic changes and the path of cultivated seeds from the new worlds to Europe, mainly in the Iberian Peninsula, requires knowledge not only of history but of biology, agronomy, economics and genetics, among others. It is also research in the long run, to which even archaeology should contribute. How to develop this research? How to cross methods? How to work together about these objects called seed, with so many lenses? We have been trying to build answers through partnerships. This presentation aims to explain the creation of "Collaboratories": collaborations with researchers and projects to discuss subjects related to our research. Each one is developed in a different way, depending on the specific goal. Two examples will be given to showcase these diverse approaches: the partnership with a gastronomy school to study 18th-century recipes and reinterpret them considering the 21st-century demands; the collaboration with a project that conducts an in-depth characterization of the Portuguese genome landscape using genomics analysis of modern and ancient DNA related to grapevines, since grapes are a key element in the country's agriculture. These "Collaboratories" take on various institutional expressions at different stages of development. The results obtained allow us to understand the different dimensions of the seeds cultivated in the Iberian Peninsula in the last 500 years.

Caroline Delmazo has a degree in Social Communication from the Federal University of Minas Gerais, Brazil (2004) and a master's degree in New Media and Web Practices from NOVA-FCSH, Portugal (2018). She worked for twelve years as a journalist for TV and websites and covered big sports events such as the FIFA World Cup and the Olympic and Paralympic Games. Currently, Caroline is the Science Communicator and Manager of the ReSEED Project (ERC-funded, University of Coimbra). She also integrates the Portuguese Network of Science and Technology Communication (SciComPT) and the Portuguese Practical Community of trainers in Open Science & RRI.

Dulce Freire is an Assistant Professor at the University of Coimbra, Faculty of Economics. She holds a degree in History and a PhD in Economic and Social History (2008) from FCSH-NOVA. She is the Principal Investigator of ReSEED - Rescuing seeds' heritage, a research project funded by the European Research Council, and researcher at the Centre for Interdisciplinary Studies at the University of Coimbra. Her research interests include rural, agrarian and food history in the Iberian Peninsula. She has published over 150 articles or book chapters, and several books. In recent years, she has coordinated several research projects related to changes in agriculture, food, society, economy and public policies since the 18th century, crossing researchers and students with different scientific backgrounds, such as History, Anthropology, Sociology, Geography, Architecture or Biology.

Developing a Collaboratory for Diverse SSH Citizen Science Stakeholders – the VERA Design

VERA – Virtual Ecosystem for Research Activation is an online platform built in the framework of the EU funded project COESO. "Activation" is the key word to remember from this acronym. One important strategy for activating research is for society members to be proactively involved in co-creating it. But how? There is a need to bridge society with research, and that is what VERA is doing. VERA is a hub where researchers and key society stakeholders

(community-based organizations, experts of practice, service providers, politicians, journalists, etc.) can meet and collaborate to identify and solve societal issues through SSH (social science and humanities)-focused citizen science, thereby opening research to the public. Within the VERA platform, society members and researchers alike can create a personal profile to find others who are interested in the same topics and build research teams and projects together. When society and research is bridged, collaborations are enabled, innovative methodologies are created, and solutions to relevant issues are discovered. The design and development of VERA was the result of an intense collaboration itself. The platform was in fact co-designed involving the SSH citizen science community since the very beginning. Furthermore, VERA is interoperable by design; it is currently integrated with EUCitizen. Science, GoTriple and Fundit platform to support projects visibility, identification of potential collaborators and relevant researches and to identify funding opportunities.

Tiziana Lombardo is a Project Management and Business Development Senior Expert. She has over 15 years of experience in managing ICT and innovation projects in the public and private sector in different fields comprising cultural heritage, digital preservation and Research Infrastructures. Her interests include EU policy development in ICT domain and digital transformation in the social science and humanities sector. In Net7 she is in charge of coordinating the Digital Humanities unit and its business strategy.

Participatory Mapping of Cultural Heritage in Remote Areas – Potential to Engage the Local Community

Open access and open science concepts have changed the science horizon, besides the positive effect on the scholar community, scientific research is now available to the general public. But does the public genuinely consume the scientific outputs to a greater extent and has the gap between science and the public been bridged? Additionally, Europe still has an underdeveloped digital infrastructure and the existing non-commercial digital platforms with their data and research results are not accessible to the wider audience mainly because of their low visibility. In 2022 Croatian Society of Art Historians as an association of professionals and a non-profit organization started the project Participatory Mapping of the Cultural Heritage in Gorski kotar, Croatia, which involves documenting cultural heritage. This remote mountain region is a vast, still underexplored mountain area of 1300 km^2. It provides great potential for a more detailed understanding of the stylistic expression of this region, as well as the preservation of cultural heritage from its decay. Besides art historians, the project's stakeholders are local inhabitants that hold accurate knowledge of their customary (and otherwise usually unrecorded) heritage objects, as well as knowledge of their local environments which can be expressed in easily understandable digital maps. This participatory method will stimulate connections with the local community to make it more aware of the values they inherit. The goals of the project are to encourage diversity and inclusion and eliminate participation barriers to drive better project outcomes.

Martina Petrinović (1976), an art historian, graduated from the Faculty of Humanities and Social Sciences in Zagreb. After a career in the public and private sectors, since 2013 has been employed by the Society of Art Historians as projects manager and executive editor of the scholarly journal *Peristil* and other publications. She participates in international conferences on digital publishing and open science. Member of the international association of editors EASE and MET, EASSH, a member of the Croatian Association for Scientific Communication ZNAK.

On Finding the Common Ground:
Collaboration between Technical and Non-Technical Teams

Panel Discussion
Thursday, 2 February 2023
12:00–13:30

Presentations

The development of modern tools in the field of digital arts and humanities requires collaboration between engineers who are versed in new information technologies but frequently operating within different work realities than their users (SSH researchers) and humanities scholars with specific disciplinary interests who are not always familiar with the technological solutions and constraints that their ideas may refer to. Moreover, both parties are often involved in several projects at the same time. Joint work can be challenging and requires an adequate model of cooperation and continuous communication to effectively and efficiently achieve the goals and objectives of a project.

We propose a joint panel for Inspire and TRIPLE co-creators to discuss collaboration between technical and non-technical partners: the challenges, lessons learnt, possible solutions, and best practices for similar projects. The topics can include communicating, organising a workflow that takes team specifics into account, and managing change (user needs, personnel rotation, budget) within a project.

The "Inspire" online service will be a space for Polish humanities and arts, which is currently developed as a part of the DARIAH. Lab infrastructure. It aims to bring together scholars and other research enthusiasts who are scattered in their disciplinary, institutional, and topical circles so they can share their digital know-how and experiences with each other, and explore new ways of collaboration.

Data Terra is a research infrastructure dedicated to Earth-observation data. Created in 2016, it is underpinned by four data hubs covering each of the major compartments of the Earth system: i) Ocean; ii) Atmosphere; iii) Solid Earth; and iv) Land Surfaces. Data Terra's main mission is to develop a structure for accessing and processing data, products and services geared towards observing, understanding and predicting in an integrated manner the history, mechanisms and evolution of the Earth system in response to global changes.

Panellists

Marta Błaszczyńska is the Deputy Director (Open Science) of the Digital Humanities Centre and a Senior Open Science Officer at the Institute of Literary Studies of the Polish Academy of Sciences (IBL PAN) in Warsaw, Poland. Within TRIPLE she has been the Co-Lead of the Data Acquisition Work Package, together with Dr Maciej Maryl. In the Inspire project she's been the leader of the research team conducting user experience and formulating requirements for the portal.

Luca De Santis is the R&D Director and the Chief Operating Officer of the Italian company Net7 Srl. He has a degree in Computer Science from the University of Pisa. He leads the "technical work packages" of the TRIPLE project: implementation of the GoTriple platform & the integration of Innovative Services (included Net7's Pundit!). When not managing projects, commercial or of research nature alike, he likes to deepen his knowledge in the fields of Semantic Web & Linked Data, Text Analytics, Industry 4.0 and Software Architecture. He has a penchant for noisy music, the French language and wine tasting (not necessarily French…). His GoTriple profile is https://gotriple.eu/profile/ldesantis.

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Stefano De Paoli is professor of Digital Society at Abertay University in Scotland. Stefano led the user research and codesign work package for GoTriple and has been involved in other project activities, including building metrics about the health of the GoTriple user community. He has significant experience working on user research in digital and ICT projects and has led several WPs in European projects. Stefano has experience working in interdisciplinary research with colleagues from multiple research backgrounds.

Since 2014, **Tomasz Hoffmann** has been working at Poznan Supercomputing and Network Center as a member of the Knowledge Platforms Team. His main areas of interest are numerical methods, machine learning, and information retrieval, in particular for digital humanities. In 2022 he received his PhD degree in Computer Science. Currently, he coordinates the DARIAH INSPIRE project at PSNC in cooperation with the Institute of Literary Studies of the Polish Academy of Sciences.

Alessandro Rizzo holds a degree in Political Sciences and International Relations at the University of Rome "La Sapienza" (Italie) and a PhD in International Cooperation for Sustainability. He is a Research Engineer at IRD, the French Institute on Research for Sustainable Development, working on Open Science as an enabler for accelerating sustainability and climate change adaptation, especially in the Global South. In recent years, within the framework of the French Research Infrastructure dedicated to the Earth System, DATA-TERRA, he has been involved in EOSC-related projects. Currently, he is the coordinator of the FAIR-EASE project.

Chair

Leonie Disch (f) holds a masters of science degree in Psychology and is a researcher and PhD student in the "Digital Transformation Design" research group at Know-Center GmbH in Graz, Austria. Her research focuses on knowledge construction, knowledge transfer, and Human-Computer Interaction. She is currently working on her dissertation on measuring and designing for knowledge construction in different digital contexts. In the TRIPLE project she leads, together with her colleague Gert Breitfuss, the work package 7 on "Innovation, Exploitation and Sustainability".

Presentations

Chair: Luca de Santis (Net7)
Thursday, 2 February 2023
14:30–16:00

Linked Data Services as a Necessity for Current Metadata Aggregators in the SSH

The goal of this presentation is to explain the necessary role of Linked Data Services in the current metadata practices in the Social Sciences and Humanities[1] and the special function that Linked Open Data structures play in these systems. Linked Open Data[2] – regarding the World Wide Web Consortium definition – is a vision of globally accessible and linked data on the internet based on the RDF standards of the Semantic Web. A basic theory of LOD is that data has more value if it can be connected to other data. Thus, LOD helps build bridges between different formats and allows you to connect different interoperable information sources. As a result, data integration and viewing complex data become easier and more efficient. Nowadays way of aggregating data needs such an approach. Accumulation of SSH data means not only providing a data structure capacious enough to hold all the information but also creating a set of data linked services enabling advanced operations, such as enriching dataset with the semantic context of related data, enhancing its interoperability and reusability by providing this set of data through open, stable exchange protocols and developing features for reusable large-scale semantic annotation of documents. The presentation will discuss the issues such as ontologies and controlled vocabularies, enrichment of metadata and texts, and formats flexibility. The talk will present examples of linked data services and the benefits of such services, including in the context of the development of the GoTriple platform.

Cezary Rosiński: PhD, assistant professor, information, documentation and data specialist at the Department of Current Bibliography and member of the Computations lab at the Institute of Literary Research of the Polish Academy of Sciences. A literary scholar and Python programmer. Co-author of the "Polish Literary Bibliography". Main areas of research interest are space in contemporary literature and Bibliographic Data Science.

Nikodem Wołczuk is an information and documentation specialist at the Department of Current Bibliography and member of the Computations lab at the Institute of Literary Research of the Polish Academy of Sciences. Bibliographic data specialist and Python programmer. At the Digital Humanities Centre, he is responsible for data processing and analysis as well as for the production of tools allowing for the automation of the activities of IBL PAN employees.

1 Raza, Z., Mahmood, K. and Warraich, N.F. (2019), „Application of linked data technologies in digital libraries: a review of literature", *Library Hi Tech News*, Vol. 36 No. 3, pp. 9-12. DOI: 10.1108/LHTN-10-2018-0067

2 Bauer F., Kaltenböck M., "Linked Open Data: The Essentials", Vienna: edition mono/monochrom, 2012. https://cdn.semantic-web.com/wp-content/uploads/2017/05/LOD-the-Essentials_0.pdf

A Small Step, a big Jump: GoTriple and Linked Open Data

Data today are everywhere. Despite this large amount of data, using good data publication practices, such as Linked Open Data, is only just beginning.[3] This research aims to connect GoTriple to the Web of Data through the use of Linked Data.[4] Two macro steps are required: defining an ontology based on GoTriple's existing data model and extending its APIs to expose serialized data in JSON-LD[5], a W3C recommended format. Achieving this goal would bring several benefits to GoTriple: matching the best practices of the leading European platforms for digital cultural heritage management[6]; achieving the highest level in the scale of Tim Berners-Lee's 5-star scheme on Linked Open Data[7]; reducing duplication of information by connecting with external resources; facilitating users and researchers in content discovery; connecting with authoritative metadata sources[8] (e.g. Confederation of Open Access Repositories, Library of Congress); reuse of GoTriple's data in other external projects, resulting in an expansion of users; increased quality of content, resulting in improved user experience; more efficient use of resources, due to the ability of users to add or reuse GoTriple's metadata; and achievement of most FAIR principles[9], including interoperability, reusability, and findability. This research sets itself the fundamental task of adapting GoTriple to the standards, trusted and supported by the Linked Open Data[10] community at the European level[11]. It is not only a theoretical work: as part of the development team of Net7, I'll present the actual implementation of these ideas that I was able to apply on the GoTriple platform.
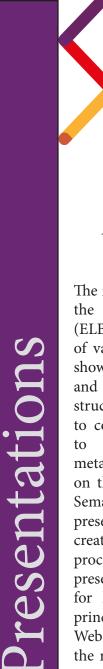

Alessandro Bertozzi is currently completing his studies at the University of Bologna with a degree in Digital Humanities and Digital Knowledge. He is currently working as a software developer at the Pisa company Net7, one of the partners of the TRIPLE project. He is working on his thesis, „Go Triple and the Linked Open Data", with the aim of opening the TRIPLE project to the emerging universe of Linked Open Data. His main interests concern the points of contact between the worlds of IT and the Humanities, and all aspects of the data life cycle.

3 Szostak, Rick & Smiraglia, Richard & Scharnhorst, Andrea & Slavic, Aida & Martínez-Ávila, Daniel & Renwick, Tobias. (2022). *Classifications as Linked Open Data. Challenges and Opportunities.* DOI: 10.48550/arXiv.2204.14066.

4 Tom Heath and Christian Bizer (2011) *Linked Data: Evolving the Web into a Global Data Space (1st edition). Synthesis Lectures on the Semantic Web: Theory and Technology*, 1:1, 1-136. Morgan & Claypool. DOI: 10.2200/S00334ED1V01Y201102WBE001.

5 JSON-LD - JSON for Linking Data, https://json-ld.org/.

6 Cultura Italia, Linked Open Data. http://www.culturaitalia.it/opencms/linked_open_data_it.jsp.

7 W3C, 5 Star Linked Data. https://www.w3.org/2011/gld/wiki/5_Star_Linked_Data. T. Berners-Lee, Linked Data - Design Issues, (2006, July 27). https://www.w3.org/DesignIssues/LinkedData.

8 Vanda Broughton (2017) Metadata: Shaping Knowledge from Antiquity to the Semantic Web, *Library & Information History*, 33:2, 149-150. DOI: 10.1080/17583489.2017.1301713.

9 GO FAIR initiative. (2022, January 21). FAIR Principles. GO FAIR. https://www.go-fair.org/fair-principles/.

10 Open Data. The Open Data Handbook. https://opendatahandbook.org/glossary/it/terms/open-data/7

11 Publications Office of the EU. Linking data: what does it mean?, data.europa.eu. (2022, August 1). https://data.europa.eu/en/publications/datastories/linking-data-what-does-it-mean.

Data & Metadata I

Chair: Luca de Santis (Net7)
Thursday, 2 February 2023
14:30–16:00

Presentations

European Literary Bibliography: Aggregation and Harmonization of Literary Bibliographical Data

The main objective of the speech is to present the European Literary Bibliography service (ELB, literarybibliography.eu) as an aggregator of various literary bibliographic data and to show the main assumptions when binding and unifying diverse data sets with different structures. The aim of the ELB service is to collect, merge and provide one interface to present multilingual bibliographical metadata for literary studies, created based on the principles of Linked Open Data and Semantic Web standards. We would like to present the results of work related to the creation of a common data model and data processing workflow for one interface to present multilingual bibliographical metadata for literary studies, created based on the principles of Linked Open Data and Semantic Web standards. We would like to present the results of work related to the creation of a common data model and data processing workflow for records acquired from different resources, such as the Czech Literary Bibliography, the Polish Literary Bibliography, and the literary content extracted from the National Library of Finland. It was primarily necessary to unify the bibliographic data on authors, source documents, and subject and genre description systems using interoperable external data sources, e.g. VIAF, Geonames and Wikidata. Due to the specificity of the service and plans to expand its content with further national data sources, the workflow for data aggregation is designed in such a way that it can accommodate more data sources. We will also present the future of ELB service, in particular, further work on data harmonization and enrichment, creation of a RDF-based data model and implementation of graph database.

Patryk Hubar, M.A., digital humanities specialist at the Centre for Digital Humanities, a member of the Computations lab. As part of doctoral studies "Digital Humanities" conducted by the Institute of the Literary Research of the Polish Academy of Sciences and Polish-Japanese Academy of Information Technology, he is preparing a doctoral dissertation on the processing of bibliographic data with the use of machine learning algorithms. At the same time, he cooperates with the Department of Information Studies at the Faculty of Journalism, Information and Bibliology of the University of Warsaw, where he conducts classes for first and second-degree students.

Marcin Giersz is an experienced full stack developer. The main literary programmer of bibliography.eu. An aspiring digital humanist, previously worked for the government, creating systems to support forest seed management. Industrial automation programmer.

Data & Metadata I

Training & Reusability

Presentations

While online open science training may be increasingly available, the methods by which training resources are made FAIR are not so well known and still lack standardisation. The aim of this panel is to present and discuss innovative processes and methods which specifically enable and improve the reuse of training materials.

The panel will bring together experts involved in training activities in various international and national projects to exchange best practices regarding training and reusability for the OS training community to build upon.

Sonja Filipovska (UKIM – CYRIL AND METHODIUS UNIVERSITY IN SKOPJE):
FAIR-by-design Methodology for Learning Resources: Skills4EOSC and NI4OS-Europe

Lottie Provost (CNR):
TRIPLE OS Training Series: Achievements, Lessons Learnt, Next Challenges

Monica Monachini (CNR/CLARIN):
A FAIR Training Platform for Italian Humanities and Heritage. Building on the CLARIN and SSHOC Experience

Irena Vipavc Brvar (CESSDA/UL-ADP):
Training in EOSC Future Project

Panellists

Sonja Filiposka is a full professor at the Ss. Cyril and Methodius University in Skopje where she teaches computer science and engineering. Working in academia since 2003, she has authored over 100 research papers and is an active participant in a number of EU funded infrastructure and research projects focusing on cloud and networking services. Currently, she is the training task leader in the NI4OS-Europe project focusing on the promotion of Open Science and EOSC in the Southeast Europe region. Sonja is also leading the task that develops a FAIR-by-design methodology for learning materials within the Skills4EOSC project.

Lottie Provost works at the Institute of Computational Linguistics (ILC) of CNR. Her work revolves around the promotion and implementation of Open Science practices, primarily for SSH. She has a background in Languages and Social Sciences and in International Project Management. She is co-leading WP 6 - Open Science and EOSC integration in the TRIPLE project.

Monica Monachini is Research Director, head of the LaRI Language Resources and Infrastructures group at CNR-ILC. National coordinator of CLARIN-IT, the Italian node of CLARIN-ERIC. Her research interests include language resources with emphasis on lexicons, ontologies, terminologies, metadata, standards, models and formats. She represents CNR in the UNI Terminology Committee; delegate in the ISO TC37 SC4 Language Resources Management Committee. She has participated and participates in many national and international initiatives. She is the referent for CNR-ILC in TRIPLE (mostly working on vocabularies).

Irena Vipavc Brvar is the head of department at the Slovene Social Science Data Archives (ADP). She is involved in publishing research data as outputs of research for more than 20 years. She is involved in many training activities on national and international level. She is leading Training working group at the Consortium of Euroepan Social Science Data archives, where she was responsible for building new Training catalogue linked to SSH Open Marketplace. She is involved also in EOSC Future project in the training task, which she will present in the Training and reusability panel.

Francesca Di Donato is a researcher at the Institute of Computational Linguistics (ILC) of CNR. She has a PhD in History of Political Philosophy. Her research has been focused on Science Communication for more than 15 years. She is leading TRIPLE WP 6 - Open Science and EOSC integration, and is a member of the CO-OPERAS Go-FAIR Implementation Network, and of the ICDI Competence Center on EOSC. Francesca is co-chair of the EOSC Association Task Force on Research career, recognition and credit.

Training & Reusability

Collaboration & Multilingualism

Chair: Emilie Blotière (CNRS)
Friday, 3 February 2023
10:00–11:00

Other Outputs, other languages: Discovering entities inside academic books in Spanish

The recent advances in the Natural language Processing field, which belongs to the artificial intelligence research area, have achieved incredible results in tasks such as Named Entity Recognition or Automatic Term Extraction. However, the application of NLP techniques over humanities and social science texts have been underrepresented. In particular, academic books are a highly valuable source of information that have not been exploited by these techniques at all. The recognition of named entities (person names, organizations or locations) and their semantic annotation over books enriches the visibility and discoverability of the information by users. This is an opportunity for academia and the academic publishing industry in which semantic search is a central task. Named entities and extracted terminology provide an index in which users can create queries by terms, person, locations or organizations of interest that are in the content of the books. Moreover, the results can be exposed in an ontology to make this knowledge interoperable and multilingual. For instance, not only Spanish books talk about Cervantes. This work proposes a methodology to apply NLP techniques such as Named Entity Recognition and automatic term recognition and to publish the results into an ontological semantic-web format. The work has been focused on Spanish language but can be adapted to others and it has been performed over a corpus provided by UNE (Unin de Editoriales Universitarias Espaolas). Results show an enrichment of the information extracted over the books and of the possibilities of querying them.

Pablo Calleja: Universidad Politécnica de Madrid (UPM). Post-Doc in artificial intelligence and natural language processing. His particular research field is named entity recognition, automatic term extraction, data augmentation and the use of knowledge graphs to enrich natural language processing tasks. He has participated in multiple projects (European, national or private) in innovation processes and developing research solutions in different companies.

Elea Giméne: Research Group on Scholarly Books (ILIA) and Interdisciplinary Thematic Platform ES CIENCIA Institute of Philosophy (IFS) Spanish National Research Council (CSIC). Tenured Scientist at the Spanish National Research Council (CSIC) since 2006. PhD in Library and Information Science (University Carlos III de Madrid). She is head of ILIA: Research Team on Scholarly Book, principal Investigator of the project Scholarly Publishers Indicators (SPI) and coordinator of ES CIENCIA Interdisciplinary Thematic Platform, an institutional project by CSIC on Spanish as a language of scientific communication. Her research is focused on academic book publishing and its connection with research evaluation of humanist and social scientist, biblioversity and multilingualism in scholarly communication.

Presentations

Translations and Open Science: translation as a collaborative practice at the heart of open science

When it comes to multilingual dissemination of research, translation may be seen as one of the easiest solutions. Yet, translation in the SSH is a complex practice in reality: various highly specialised profiles need to be involved (authors, translators, researchers, editors), requiring resources that publishers and universities do not always have. It may thus seem that there are more challenges than opportunities in translating scholarly publications. But what if it is possible to mutualise human skills, language resources and translation technology in a single collaborative translation environment? What if, instead of being a challenge, translation becomes a practice to foster collaboration in the scientific community? The Translations and Open Science project explores translation as one possible way to disseminate research in different languages, with a focus on translation technology that can be used to optimise and mutualise processes, resources and tools. The goal is to establish a scientific translation service combining human skills and specialised translation technologies, in particular machine translation engines, corpora and vocabularies, to support a collaborative, human-centred translation process. The service is intended for different scenarios: researchers in need of support to write or translate their results, publishers planning to translate scientific works, readers submitting a translation suggestion for a scientific paper, etc. Imagined as an open and modular digital environment, the service will foster collaboration between international publishers, researchers and translators, thus allowing not only the optimisation of the translation process but also promoting the interaction between different actors of scholarly communication in an unprecedented way.

Susanna Fiorini is a translator and consultant in translation technology for research and international organisations. Since 2020, she has been coordinating the Translations and Open Science project, funded by the French Ministry of Higher Education and Research and the French Ministry of Culture, with the aim to explore the possibilities offered by translation technologies to foster multilingualism in scholarly communication. She is now part of OPERAS, where she coordinates the four preparatory studies to the creation of the technology-based translation service commissioned by the French Ministry of Higher Education and Research.

Collaboration & Multilingualism

Data & Metadata II

Chair: Arnaud Gingold (OPERAS AISBL)
Friday, 3 February 2023
11:30–12:30

Data Trust Model in Research and Economy: Conceptual Design of a Mobility Data Trust (TMD)

Data is the gold of the 21st century. Sharing data can contribute significantly to solving socially relevant problems. To do that, data must be made available and used in a manner that complies with data protection laws. The state has also recognised the importance of sharing data. The BMBF is funding projects for the conception and establishment of data trust models in various fields of application in science and industry, including mobility, more precisely in the project Treuhandstelle für Mobilitätsdaten (TMD). The TMD is being conceptualised and prototypically tested in practice in the application field of automated driving. The data trustee acts here as a neutral data intermediary who, in addition to technical and organisational access to data, also ensures data protection and interoperability. The concept of the data trust agency also plays an important role in the area of research data management. For example, the experience gained in the exchange of data in accordance with data protection regulations can also be transferred to the field of science, and the technical and organisational concept of the data trust agency for mobility data can be adapted. Researchers can have their research data anonymised within the data trust, which makes it possible to exchange this data between the different scientific disciplines and thus achieve the best possible benefit for science. The lecture will present initial findings regarding the conceptualisation of the TMD. This concerns the development of a business model as well as the technical and organisational concept.

Andreas Czech holds a Master's degree in social sciences from Karlsruhe Institute of Technology (KIT). PhD at the Institute for Technology Assessment and Systems Analysis (ITAS) at KIT with a thesis on the transformation of the mobility sector towards more sustainable mobility, taking into account the business model of car sharing. Since March 2022, an employee at the KIT Library in the project Trustee Agency for Mobility Data.

Semantic MediaWiki as Research Tool

The free, open-source extension Semantic MediaWiki extends the well-known wiki system running e.g. Wikipedia to a database. In a Semantic MediaWiki, pages can be filled not only with text and media content but also with queryable data. The results of the queries can be displayed in many formats, e.g. as tables, diagrams or maps, and the processing of the data can be controlled via customizable forms. For data publication, the system provides a REST API and an RDF serialization mapping pages to entities and data attributes to semantic relations that can be aligned with other ontologies and controlled vocabularies. In this way, the content of a Semantic MediaWiki can be made interoperable as Open Linked Data. Another more sophiscated option for RDF data sharing is setting up a SPARQL endpoint which is also a feature of Semantic MediaWiki. By showcases from the Humanities and Social Sciences, the presentation will quickly introduce the main features of Semantic MediaWiki and focusing those addressing the needs of scholarly communication (e.g. collaboration, discussion, multilinguism), scholarly publishing (e.g. co-authoring, visual editor, version history, history view) and research data management (e.g. storing, querying and publishing FAIR data). Summing up how Semantic MediaWiki could make a good research tool, a discussion about its potentialities in the Social Sciences and Humanities open science will be opened.

Michael Freiberg is subject librarian for German Studies at Giessen University Library (Germany) and also part of the libraries IT department. Data management and application maintenance are his principal tasks. He has worked in several digitization and digital humanities projects and likes to contribute his expertise and his experience to Open Science initiatives in the field of the Humanities

Data & Metdata II

GoTriple's Data – Discussing Quality, Scope and Scientific Reuse

Tomasz Umerle (IBL Pan) & Cezary Rosiński (IBL PAN)
Thursday, 2 February 2023
10:00–11:30

This workshop will be dedicated to the GoTriple data quality and enrichment analysis. It will build upon the results of "The Workshop: Data quality work plan" which took place during the TRIPLE Consortium meeting in Athens in September 2022. During the workshop, we discussed the current state of GoTriple data quality and enrichment and engaged participants in a working session.

In the first part, the results of this workshop will be presented which includes participants' views on the scope of GoTriple aggregation, additional data services that should be implemented and the GoTriple role in the SSH evaluation.

In the second part, we will aim to transform these opinions into concrete recommendations related to the tangible solutions and action points that should be taken into account, especially after the TRIPLE project's completion. This could relate to defining new possible data providers (or categories of them), necessary and innovative data analysis solutions and GoTriple's role for such stakeholders as academic libraries, data metrics providers or scientists engaged in data-based research.

Tomasz Umerle is an assistant professor, deputy director of the Department of Current Bibliography and a leader of the Computations lab at the Digital Humanities Centre at IBL PAN. In the Centre, he is responsible for R&D activities and coordinating the development of the research infrastructure. Currently, he is engaged in the DARIAH-PL project as the coordinator of the Laboratory for supervised semantic discovery. He is chairing the "Bibliographical Data" Working Group at the DARIAH-ERIC consortium. Interested in cultural and scientific metadata, mostly bibliographical, and documentation of literary culture.

Cezary Rosiński, PhD, is an assistant professor, information, documentation and data specialist at the Department of Current Bibliography and a member of the Computations lab at the Institute of Literary Research of the Polish Academy of Sciences. A literary scholar and Python programmer. Co-author of the "Polish Literary Bibliography". His main areas of research interest are space in contemporary literature and Bibliographic Data Science.

CESSDA Data Catalogue:
What can be Done at the Catalogue End
and What Needs Harmonized Metadata?

Taina Jääskeläinen (CESSDA)
Thursday, 2 February 2023
12:00–13:30

CESSDA is the Consortium of European Social Science Data Archives. The CESSDA Data Catalogue provides metadata on research datasets in various languages, harvested from 20+ data repositories in different countries. All use the same DDI metadata standard. Such a standard alone is not enough for a functional user interface (UI), harmonized metadata content is also needed. Country and data collection time filters in the search interface rely on the machine-actionable ISO codes in the metadata. The big question is: are there alternatives to resource-intensive metadata harmonization? Are there open-source tools that would handle variants of country names in different languages or different ways of documenting date information and matching match them with an ISO code? Social sciences would benefit from dialogue with other domains relating to this. And how to design the search interface so that users can navigate confidently between the language(s) of the metadata, the data files and the user interface where the languages may be the same or different? The CESSDA Catalogue team decided to reduce choice by providing the UI in English only and the metadata in other different languages. According to our testing, multilingual search gave incomplete results in some languages. Are there open tools where the language analyzers are good enough to manage multilingual search across languages correctly?

Taina Jääskeläinen is Senior Specialist at the Finnish Social Science Data Archive. Her expertise areas include translation, multilinguality, cross-national vocabularies and metadata harmonization. She has been involved in CESSDA activities and service building for a long time. She functioned as the Service Owner for the CESSDA Data Catalogue and CESSDA Vocabulary Service 2021-2022.

Workshop 2

Connecting Within-discipline Infrastructures in Support of Cross-disciplinary Collaborations to Tackle Global Changes: an Open Challenge for Open Science

Alessandro Rizzo (IRD), Alessia Smaniotto (Open Edition), Christelle Pierkot (CNRS), Jessie Abbate (GEOMATYS), Sarah Kada (GEO-MATYS)

Thursday, 2 Feburary 2023
14:30–16:00

Workshop 3

Cross-disciplinary approaches are needed to make major leaps forward on large societal issues. But the application of such an approach often proves challenging. In this panel, we propose to discuss the use of trans-disciplinary approaches to address global changes, including how to combine the needs and knowledge to respond effectively to the fast-changing climate. Participants will propose through short presentations a given perspective from within their respective discipline(s) (environment and natural sciences, health, social sciences and humanities) on the panel's central question: "What are the major challenges of cross-disciplinary data and service integration technically, scientifically and socially to face global changes?". The discussion will then be centered around lessons learned and experiences, as well as technical and conceptual solutions already explored for integrating diverse data types from a variety of sources within inter-, multi- or trans-disciplinary projects. In addition, bearing in mind that global changes concern a large variety of stakeholders, acting within rather than among systems and procedures, the specific added value of integrating citizen science techniques and other participatory methodologies from social sciences and humanities into these cross-cutting projects will also be explored. This panel aims to identify the most valuable theoretical and practical collaboration perspectives among disciplines as an efficient way for the analysis and comprehension of global changes. Audience participation in the discussions will be actively encouraged, ideally using one of the techniques discussed as a demonstration.

Alessandro Rizzo holds a degree in Political Sciences and International Relations from the University of Rome "La Sapienza" (Italie) and a PhD in International Cooperation for Sustainability. He is a Research Engineer at IRD, the French Institute on Research for Sustainable Development, working on Open Science as an enabler for accelerating sustainability and climate change adaptation, especially in the Global South. In recent years, within the framework of the French Research Infrastructure dedicated to the Earth System, DATA-TERRA, he has been involved in EOSC-related projects. Currently, he is the coordinator of the FAIR-EASE project.

Alessia Smaniotto develops and coordinates R&D projects for the French infrastructure OpenEdition in the field of participatory research. She is a member of the coordination team of the European OPERAS infrastructure and represents the infrastructure within the European Citizen Science Association (ECSA). She currently coordinates the European project COESO (coeso.hypotheses.org), which develops

a dedicated platform to support participatory research involving the social sciences and humanities disciplines (VERA). Trained in philosophy, journalism and sociology between Italy and France, she holds a PhD in philosophy of social sciences from the École des Hautes Études en Sciences Sociales (EHESS). Before reinvesting her research and project coordination skills in research and research project coordination, she has been a journalist for public and private media in Italy.

Jessie Abbate is an infectious disease ecologist whose research has focused on understanding how pathogen distributions in host populations change over space and time. She currently works as a senior epidemiology consultant for the Health Emergency Information and Risk Assessment division of the World Health Organization's Office for Africa, and as a research scientist and innovative business developer for the small French geospatial information technology company Geomatys. She is also a founding member of The Global Research and Analysis for Public Health (GRAPH) Network, a global multidisciplinary project aimed at building open tools and human capacity to improve analytics for public health based in Geneva.

Sarah Kada is an infectious disease modeller with a PhD in ecology and evolution who focuses on the epidemiology of infectious diseases. Using mathematical models and statistical inference, her goal is to understand disease dynamics in human populations in order to provide actionable information for public health. She is currently a researcher at Geomatys, a spatial infrastructure SME that develops solutions to provide emerging and re-emerging infectious disease risks using mathematical modelling and geospatial data.

Workshop 4: How to Become a GoTriple Provider?

Arnaud Gingold (OPERAS AISBL) & Luca de Santis (Net7)
Friday, 3 Feburary 2023
10:00–11:00

Workshop 4

The GoTriple discovery platform is based on an extensible ingestion platform that supports the harvesting of repositories by using the standard OAI-PMH protocol.

The platform is open and welcomes data providers that want to see their contents' metadata indexed in GoTriple. Besides large aggregators like Isidore, OpenAIRE, DOAJ and BASE, GoTriple has already integrated several smaller publications and research data archives.

To ease the onboarding of new providers, a specific web application, the Harvesting Management System, has been developed. It easily allows data providers to register to the platform and propose one or more SSH-related data sources accessible via OAI-PMH. These "proposed sources" will be later verified by GoTriple administrators, both to test the technical correctness of the import process and to ensure the relevance of the acquired data in the context of SSH.

During this workshop, we will present the whole process for becoming a GoTriple provider through a step-by-step approach. We welcome real prospect users with whom we can live test the integration of their repositories in GoTriple. No specific technical knowledge is needed to participate in this session but in case you want to participate in the tests, the coordinates of your OAI-PMH endpoint are needed: its URL, the data model used (Dublin Core or Europeana Data Model), and the set to harvest.

The workshop will be very informal and open to comments and suggestions from the audience: so don't be shy and participate!

Arnaud Gingold ensures data consistency and the application of the FAIR principles throughout OPERAS. With a dual background in linguistics and digital resources management, he started working in university libraries and was a digital curator for a CNRS Open Archive. He joined OPERAS in 2016 as a Technical Coordinator for the related HIRMEOS project and is based at OpenEdition in Marseille, France.

Luca De Santis is the R&D Director and the Chief Operating Officer of the Italian company Net7 Srl. He has a degree in Computer Science from the University of Pisa. He leads the "technical work packages" of the TRIPLE project: implementation of the GoTriple platform & the integration of Innovative Services (included Net7's Pundit!). When not managing projects, commercial or of research nature alike, he likes to deepen his knowledge in the fields of Semantic Web & Linked Data, Text Analytics, Industry 4.0 and Software Architectures. He has a penchant for noisy music, the French language and wine tasting (not necessarily French…). His GoTriple profile is https://gotriple.eu/profile/ldesantis.

World Café:
It's German coffee and cake o'clock – chatting openly about Discovery with Representatives from Germany

National Node OPERAS-GER
Pattrick Piel (MWS) & Marlen Töpfer (MWS)
Thursday, 2 February 2023
16:30–18:00

During this slot, the German National Node OPERAS-GER invites to chat openly and network with representatives from Germany about Discovery. In the format of elevator pitches, German stakeholders will present their work, service or infrastructure. In the following rounds, participants are invited to chat with representatives while enjoying traditional German coffee and cake (or more) to exchange ideas.

The representatives come from different backgrounds as BASE, the Bielefeld Academic Search Engine, the National Research Data Infrastructure (Nationale Forschungsdateninfrastruktur) and the Fachinformationsdienste (specialist information service). There will also be representatives from libraries and repositories.

The "German coffee and cake o'clock" is an opportunity for participants to connect, exchange knowledge and learn from each other's experiences.