

Twenty-First International Conference on Grey Literature

Open Science Encompasses New Forms of Grey Literature

German National Library of Science and Technology
Hannover, Germany • October 22-23, 2019

Program Book

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Foreword

OPEN SCIENCE ENCOMPASSES NEW FORMS OF GREY LITERATURE



For more than a quarter century, grey Literature communities have explored ways to open science to other methods of reviewing, publishing, and making valuable information resources publicly accessible. This Twenty-First International Conference on Grey Literature seeks to demonstrate how the principles of science and advancements in information technology have impacted the field of grey literature and in turn how grey literature by implementing these has contributed to the open science movement.

Open science is defined as the movement to make scientific research, data and dissemination accessible to all levels of an inquiring society¹. Grey literature by definition seeks to make publications produced on all levels of government, academics, and business openly accessible different from those controlled by commercial publishing. As such the open science movement incorporates the work carried out by grey literature communities and renders an even broader framework encompassing newer forms of grey in both textual and non-textual formats.

Open science encompasses the life and physical sciences as well the social sciences and humanities as does grey literature. Open science recognizes the value of grey literature in the process of knowledge generation and as such acknowledges contributions made by researchers, authors, and their communities of practice. Open science changes the way research is done and allows for convergence with the field of grey literature. It is within the open science movement that grey literature and its wealth of information resources are valued and properly exploited for society as a whole.

Dominic Farace
GREYNET INTERNATIONAL

Amsterdam,
OCTOBER 2019



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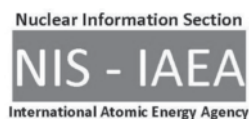


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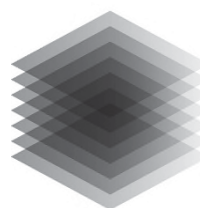


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German National Library
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International Atomic
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George A. Smathers
Libraries, USA



Dominic Farace

GreyNet International
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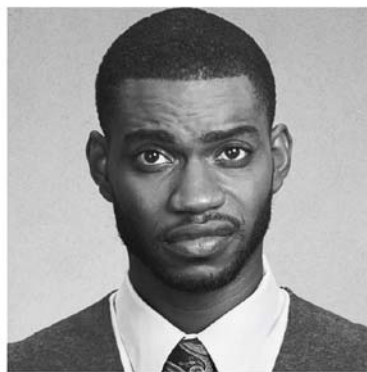
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Program Outline

DAY 1 - Tuesday, 22 October	DAY 2 - Wednesday, 23 October
<i>Leibnizhaus, Holzmarkt 5, Hannover, Germany</i>	<i>Leibnizhaus, Holzmarkt 5, Hannover, Germany</i>
Registration Desk Open 08:30-09:00 Coffee and Tea Service	Registration Desk Open 9:00-9:30 Coffee and Tea Service
Opening Session 9:00-10:30 <i>Welcome, Keynote, and Opening Addresses</i>	Poster Session, Sponsor Showcase 9:30-11:30 <i>Presentations and Exhibits</i>
Morning Break 10:30-11:00	Coffee and Tea Service Available 09:30-11:30
Session One 11:00-13:00 Open Science Principles promote the field of Grey Literature	Special Panel Session 11:30-13:00 <i>The Open Science Publishing Flood and Collaborative Authoring</i>
Lunch 13:00-14:00	Lunch 13:00-14:00
Session Two 14:00-16:00 Confronting Obstacles and Challenges to Open Access	Session Three 14:00-15:30 Open Resources for Education in Library and Information Science
Afternoon Break 16:00-16:30	Pause 15:30-15:45
Introduction to Posters 16:30-17:30 <i>Poster Briefings</i>	Closing Session 15:45-16:30 <i>Wrap-up, Poster Prize, Conference Handoff, Farewell</i>
 Leibnizhaus Hannover	 17:00 Post-Conference Tour TIB Library



Program Chair

Margret Plank

**Head of the Competence Center for
Non-Textual Materials, TIB**

Margret Plank is currently the Head of the Competence Centre for Non-Textual Materials at the German National Library of Science and Technology in Hannover (Germany). The aim of the Competence Centre for Non-Textual Materials is to develop emerging tools and services that actively support users in the scientific work process enabling non-textual material such as audiovisual media, 3D objects and research data to be published, found and made available on a permanent basis as easily as textual documents. Previously she was responsible for Information Competence and Usability at the TIB. She has also worked as a researcher at the Institute of Information Studies and Language Technology at the University of Hildesheim. She represents TIB on a number of boards including IFLA Steering Committee Audiovisual and Multimedia Section as well as ICSTI / ITOC. Margret Plank holds a Master degree in information science and media studies from the University of Hildesheim, Germany.

margret.plank@tib.eu



Welcome Address

Prof. Dr. Sören Auer

**Director of the German National
Library of Science and Technology**

Prof. Auer was appointed Professor of Data Science and Digital Libraries at Leibniz Universität Hannover and Director of the TIB in 2017. Prof. Auer has made important contributions to semantic technologies, knowledge engineering and information systems. He is the author (resp. co-author) of over 100 peer-reviewed scientific publications. He has received several awards, including an ERC Consolidator Grant from the European Research Council, a SWSA ten-year award, the ESWC 7-year Best Paper Award, and the OpenCourseware Innovation Award. He has led several large collaborative research projects, such as the EU H2020 flagship project BigDataEurope. He is co-founder of high potential research and community projects such as the Wikipedia semantification project DBpedia, the OpenCourseWare authoring platform SlideWiki.org and the innovative technology start-up eccenca.com. He is founding director of the Big Data Value Association and member of the advisory board of the Open Knowledge Foundation.

soeren.auer@tib.eu



Keynote Address

Barbara Rühling

**CEO at Book Sprints Ltd.
Berlin, Germany**

Barbara Rühling is the Keynote Speaker at this year's Twenty-First International Conference on Grey Literature that deals with Open Science and Grey Literature. The title of her defining presentation reads 'Unbreaking our Knowledge Sharing Workflows?'

Barbara Rühling has been the CEO of Book Sprints since 2016, and focuses on streamlining our service and workflow, developing new formats and diversifying the company's client base. Previously the lead facilitator at Book Sprints for three years, she continues to facilitate Sprints. As a facilitator, Barbara's background in cultural anthropology and documentary film makes her observant and attentive to each group's unique process. She facilitates in English, German, and Spanish.
barbara@booksprints.net

DAY ONE

MODERATOR – MARGRET PLANK, GERMAN NATIONAL LIBRARY OF SCIENCE AND TECHNOLOGY

09:00 – 10:30

OPENING SESSION

Welcome Address, Prof. Dr. Sören Auer, Director of the German National Library of Science and Technology

Keynote Address, **Unbreaking our Knowledge Sharing Workflows?**
Barbara Rühling, CEO at Book Sprints Ltd., Berlin, Germany

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Dobrica Savić, Nuclear Information Section, NIS-IAEA, United Nations

10.30 - 11:00 *Morning Break*

11:00 – 13:00

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Julia M. Gelfand, University of California, Irvine Libraries, United States
Anthony Lin, Irvine Valley College Library, United States

ConfIDent – An Open Platform for FAIR Conference Metadata 25
Stephanie Hagemann-Wilholt, German National Library of Science and Technology, Germany

Hidden Grey Heritage of Science and Research from Pre-Internet Era 27
Tereza Klozová and Jiří Drozda, Research Institute of Geodesy, Topography and Cartography, Czech Republic

13:00 - 14:00 *Lunch*

14:00 – 16:00

SESSION TWO: CONFRONTING OBSTACLES AND CHALLENGES TO OPEN ACCESS

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Silvia Giannini and Anna Molino, Institute of Information Science and Technologies, ISTI-CNR, Italy

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Hélène Prost, GERiiCO Laboratory, CNRS, France

Research Data and Open Science in the Russian University Environment 49
Yuliya B. Balashova, Saint Petersburg State University, Russia`

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Bertrum H. MacDonald, Rachael Cadman, Curtis Martin, Simon Ryder-Burbidge, Suzuette S. Soomai, Ian Stewart, and Peter G. Wells; Dalhousie University, Canada

16:00 - 16:30 *Afternoon Break*

16:30 – 17:30

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Those presenting posters will have the opportunity to introduce their work in the main forum.

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<i>Conference Host and Sponsor, German National Library of Science and Technology, Germany</i>	



DAY TWO

09:30 – 11:30

POSTER SESSION AND SPONSOR SHOWCASE

The Poster Session and Sponsor Showcase will continue on the morning of Day Two, where the presenters will meet with conference participants in an informal setting. The Poster Prize 2019 will be presented during the Closing Session.

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11:30 – 13:00

SPECIAL PANEL SESSION

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The Open Science Publishing Flood and Collaborative Authoring

The panel will bring together platform makers and users to look at questions of what is needed to turn this exciting field into something that can better support research

Simon Worthington^{Chair} German National Library of Science and Technology, TIB Hannover, Germany
 Daniel Speicher Bonn-Aachen Int. Center for Information Technology, University of Bonn, Germany
 Denis Roio (Jaromil) Dyne.org Foundation, Netherlands
 Ludwig Hülk Reiner Lemoine Institut gGmbH, Germany

Currently there is a deluge of 'off-piste' collaborative authoring going on in Open Science, the adoption of software versioning systems like GitHub for writing; simulations and code in platforms like Jupyter; or in 'real time' web authoring 'operational transformation algorithm' based software like Etherpad. Yes the 'digital plumbing' of this publishing flood is just not in place. How do we ID these documents, reuse them for example. These questions have been asked and answered before, but are outside the fast moving, forward looking tech world. As an example, Ted Nelson coined the term 'transclusion' (Nelson 1987) back in the '80s. Transclusion is a step on from the 'hyperlink', another Nelson term, where not just the link of a target is included in a document but instead the whole content (AKA live linked embedding). Currently if you want to link and include another document fragment in your document, with persistence, it's unlikely to work. The panel will bring together platform makers and user to look at questions of what is needed to turn this exciting field into something that can better support research.

13:00 -14:00

*Lunch***MODERATOR – PLATO L. SMITH, UNIVERSITY OF FLORIDA; GEORGE A. SMATHERS LIBRARIES**

14:00 – 15:30

SESSION THREE – OPEN RESOURCES FOR EDUCATION IN LIBRARY AND INFORMATION SCIENCE

Open Access in the Academy: Developing a Library Program for Campus Engagement

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Daniel C. Mack; University of Maryland, United States

Open Educational Resources and Library & Information Science: towards a common framework for methodological approaches and technical solutions

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Roberto Puccinelli, Lisa Reggiani, Massimiliano Saccone, and Luciana Trufelli, National Research Council, Italy

Strategies for Teaching and Learning about Grey Literature : A Multimedia Presentation delivered by GreyNet's Education and Training (E&T) Committee

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Marcus Vaska, Alberta Health Services, Knowledge Resource Service (AHS-KRS), Canada

David Baxter and Margo Hilbrecht, Gambling Research Exchange Ontario, Canada

Sarah Bonato, Centre for Addiction and Mental Health, Canada

Charles Scott Dorris, Georgetown University Medical Center; Dahlgren Memorial Library, United States

15:30 – 15:45

Afternoon Break

15:45 – 16:30

CLOSING SESSION – REPORT MODERATORS, POSTER PRIZE, CONFERENCE HANDOFF, FAREWELL

17:00 POST CONFERENCE TOUR: GERMAN NATIONAL LIBRARY OF SCIENCE AND TECHNOLOGY

AccessGrey: Securing Open Access to Grey Literature for Science and Society

Dominic Farace and **Jerry Frantzen**, GreyNet International, Netherlands
Stefania Biagioni and **Carlo Carlesi**, NeMIS Research Laboratory, ISTI-CNR, Italy
Antonella De Robbio, Eprints in Library and Information Science (E-LIS), Italy
Ana Češarek, University of Ljubljana, Slovenia
Cees de Blaaij, Library of Zeeland, Netherlands
Kiyoshi Ikeda, National Institute of Informatics, Japan
June Crowe, Honorary GreyNet Member and Award Recipient, United States

Persistent identifiers such as a DOI for a publication and an ORCID for an author/researcher can be approached from both the demand-side as well as supply-side of information. It appears however that the former attracts more attention. Here emphasis lies in the access to and preservation of research output. Yet, it is on the supply-side regarding the acquisition of research output that persistent identifiers may by the same token have influence in identifying and populating prospective data archives and repositories. This study will look at the influence persistent identifiers have in securing the acquisition of grey literature for public access.

The goal of this project is twofold. First, to carry out a survey within the grey literature community as to the opinions, uses, and applications of persistent identifiers. And second, to initiate a project geared to populate a new collection housed in the GreyGuide Repository by using the DOI as an incentive. Resources in Grey Literature (RGL) is as a generic, multidisciplinary collection that will serve for this purpose.

Using GreyNet's distribution channels and social media, stakeholders in the field of grey literature are invited to enter one or more of their publications in the RGL collection. Each new entry will receive a DOI minted by GreyNet International and further stored and preserved in the DataCite registry. Also, a system generated citation will be added to each new entry in order to facilitate record use. The types of grey literature documents eligible for entry in the RGL collection are numerous and can be found at <http://www.greynet.org/greysourceindex/documenttypes.html>.

Brief guidelines for record entry require that it be self-archived using the existing online-template and that both the metadata record and accompanying full-text document(s) are in English. An additional descriptive field does allow for entry in another language. And, a translation of the document can also be uploaded in the repository. Finally, it is understood that by submitting the metadata record and file(s), they become open access compliant under Creative Commons license CC-BY-SA.

The initial phase of the project commences in April 2019 and closes in September 2019. Records harvested during this period along with the results of the survey will be analyzed in its second phase. In the final phase, the project's outcome will be published. Results should indicate whether the AccessGrey Project be extended to other collections in the GreyGuide, and if this project would be of value to other communities of practice in the field of grey literature.

Bionotes

Dominic Farace is Head of GreyNet International and Director of TextRelease, an independent information bureau specializing in grey literature and networked information. He holds degrees in sociology from Creighton University (BA) and the University of New Orleans (MA). His doctoral dissertation in social sciences is from the University of Utrecht, The Netherlands, where he has lived and worked since 1976. After six years heading the Department of Documentary Information at the Royal Netherlands Academy of Arts and Sciences (SWIDOC/KNAW), Farace founded GreyNet, Grey Literature Network Service in 1992. He has since been responsible for the International Conference Series on Grey Literature (1993-2013). In this capacity, he also serves as Program and Conference Director as well as managing editor of the Conference Proceedings. He is editor of The Grey Journal and provides workshops and training in the field of grey literature. Email: info@greynet.org **ORCID iD** <https://orcid.org/0000-0003-2561-3631>



Bionotes CONTINUED

Jerry Frantzen graduated in 1999 from the Amsterdam University of Applied Sciences/ Hogeschool van Amsterdam (HvA) in Library and Information Science. Frantzen is the technical editor of The Grey Journal (TGJ). And, since 1996, he is affiliated with GreyNet, Grey Literature Network Service, as a freelance technical consultant.

Email: info@grey.net ORCID iD <https://orcid.org/0000-0002-3405-7078>



Stefania Biagioni graduated in Italian Language and Literature at the University of Pisa and specialized in Data Processing and DBMS. She is currently an associate member of the research staff at the Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" (ISTI), an institute of the Italian National Research Council (CNR) located in Pisa. She is currently involved in the activities of the ISTI Networked Multimedia Information Systems Laboratory (NMIS). She has been head librarian of the Multidisciplinary Library of the CNR Campus in Pisa till August 2017. She was the responsible of ERCIM Technical Reference Digital Library (ETRD) Project and currently is the coordinator of the PUMA (Publication Management) & MetaPub, a service oriented and user focused infrastructure for institutional and thematic Open Access repositories looking at the DRIVER/OpenAIRE vision, <http://puma.isti.cnr.it>. She has coauthored a number of publications dealing with digital libraries and grey literature. Her research interest are focused on digital libraries, knowledge sharing and transfer in scientific area, scholarly communication infrastructures, Open Access and Open Science. She has been dealing with grey literature since 90's. Since 2013 she is involved on the GreyGuide Project. Email: stefania.biagioni@isti.cnr.it

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Carlo Carlesi, graduated in Computer Science, worked since 1970 at the IEI (now ISTI) of the CNR in Pisa. He is currently a Research Associate of the Institute ISTI and he is involved in the following projects: PUMA - Publication Management. The Digital Library service allows public access (when permitted) through Internet to the published documents produced by CNR Organizations. And GreyGuide, portal and repository of good practice and resources in the field of grey literature. Email: carlo.carlesi@isti.cnr.it

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Antonella De Robbio is CEO of E-LIS Eprints in Library and Information Science, the international archive and open access for librarianship and information sciences that she designed and created in 2003. He worked at the University of Padua for over 40 years, covering various roles over the years, from trainer on topics related to scientific communication, open access and rights management, coordinator of work groups on library science and e-learning and as a contact person for copyright at the University Center CAB for Libraries. After a period of work at the CERN library in Geneva in 2000, returning to Italy he was actively occupied by Open Access and in 2004 he implemented Padova @ Dissertation and Padova @ research the two institutional archives of the University for the storage of intellectual research productions and doctoral thesis. For about twenty years it has been actively engaged at national and international level in various working groups both for issues related to copyright and rights management, and in the area of Open Access. Since 2005 he is a member of the national Open Access group of the CRUI Libraries Commission. Since 2016 he is Mentor for MooC Research Data Management and Sharing (research data management) on the Coursera platform organized by the University of North Carolina and the University of Edinburgh. Within the AIB Italian Libraries Association has been for over fifteen years national coordinator of the drafting of Italian OPACs for the Italian MetaOpac MAI Azalai from 1999 to 2015 He is currently a member of the AIB Legislative Observatory and coordinator of the Public Domain Study Group and Open Access. Email: antonella.derobbio@gmail.com ORCID iD: <http://orcid.org/0000-0001-6617-444X>



Cees de Blaaij studied History at the University of Nijmegen, specializing in Economic and Social History. He also studied Library and Information Science at the University of Amsterdam. At the present he is working as an academic librarian for the Zeeuwse Bibliotheek in Middelburg, Netherlands. Before he worked for Ernst & Young International, and the Institute for Information Law (University Amsterdam) as information professional. He took part in several GL conferences. He published several articles on subjects like copyright in the digital environment, use and accessibility of grey literature on the Internet and the freedom of information (FOI) as a constitutional right. Presently he is working on a dissertation regarding the transition of print towards digital scholarly publishing in the field of history. Email: cees@deblaaij.net



Bionotes CONTINUED

Ana Češarek (MLIS) is the librarian at the Faculty of Education of the University of Ljubljana (Slovenia), where she is responsible for the users' training and information literacy instructions for students and professors. She is also responsible for the development of the library's Subject Guides. As a PhD student of Information Sciences at the Faculty of Arts of the University of Ljubljana, her research focus is on information behaviour of researchers from Education and related fields, in order to help the university library to insure a better research support for them.

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AccessGrey

Securing Open Access to Grey Literature for Science and Society

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Project Goal

- To learn the opinions, uses, and applications of persistent identifiers within the grey literature community
- To explore the use of persistent identifiers, namely the DOI, in the acquisition of grey literature




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Method of Approach

- **Step One**
Construct a questionnaire that would be used in an online stakeholder survey among a defined population within GreyNet's community of practice
- **Step Two**
Initiate a campaign among GreyNet's diverse stakeholders by using the DOI and a system generated citation as incentives to deposit documents in the GreyGuide Repository



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[Step One]

Survey Questionnaire

- Search first carried out in the GLP Collection: Conference Papers on Grey Literature
- Search terms 'persistent identifier' and 'DOI' retrieved 16 full-text documents
- Ten questions were drafted, nine of which were standardized. One was open ended. All of the questions allowed for a comment field
- Questionnaire was entered in SurveyMonkey from which a link was generated


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Survey Population

Survey Recipients	Survey Respondents	Survey Results
509	56	11,0%

Defined Population
GreyNet contacts from January 2014 - April 2019
Only personal names with both surname and first name or initials were selected for the survey population

Profile of Respondents
A profile of the respondents to GreyNet's Stakeholder Survey based on 29 (52%), who provided their contact details, the other 27 respondents (48%) remained anonymous.
• 53% male, 47% female • 37% academic title, 63% non-indicative • 93% authors, 7% non-indicative • Identified respondents from 17 countries


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Survey Responses


Highest percentages by categories

Strongly Agree/Uncertain/Disagree

Strongly Agree	59%	Persistent Identifiers are vital in linking and cross-linking data
Uncertain	27%	Persistent Identifiers serve as an incentive in the acquisition of GL
Disagree	11%	A DOI is a quality indicator that increases the value of grey literature

Yes/No

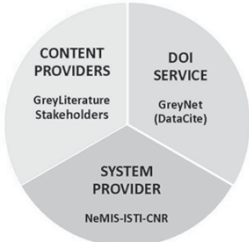
Yes	74%	Does one or more of your publications have an assigned DOI?
No	23%	Do you have an ORCID or other author/researcher persistent identifier?


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[Step Two]
Acquisition Campaign
Project Contributors



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Acquisition Campaign
Project Workflow



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Acquisition Groundwork

- Revise RGL online Template
- Include DOI metadata field
- Include System Generated Citation
- Assign DOIs to existing records in RGL
- Merge GGP records with RGL Collection
- Assign DOIs to the merged records

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Acquisition Guidelines

- Self-Archiving
- Metadata in English
- Other Language Field (Description)
- Accompanying Full-text document required
- Records open access compliant via CC-BY-SA License

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Acquisition Strategy

- ➡ GreyNet’s combined Distribution List
- ➡ Who is in Grey Literature, BIO Collection
- ➡ GL-Conference Authors and Co-Authors
- ➡ GreyNet’s Social Media, Facebook & LinkedIn
- ➡ GreyNet’s Int. Directory of Organizations

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Analysis Survey Results

- Based on the Survey Data and Data Paper housed in the DANS EASY Archive
- ‘Shared Data – Shared Analysis’
- Data Analyses submitted by five of the 29 identified Survey Respondents
- Excerpts relating to Survey Results

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Results of Acquisition Campaign *Preliminary*

- To date 56 metadata records with full-texts
- From Sectors of GOVT | ACAD | BUSN | NGO
- From 13 Countries
- 17 Document Types
- 26 Organizational Affiliations


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Project Outcome

- Survey results indicative of the value of persistent identifiers for grey literature;
- Acquisition Campaign required a longer start-up;
- However, the records to date are representative of the field of grey literature;
- AccessGrey Project to be extended a year with a Poster update at the GL2020 Conference;
- Explore further the viability of a multidisciplinary collection or repository of Grey Literature

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Thanks!
Looking Forward to Your Comments



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