### **Twenty-Fifth International Conference on Grey Literature**

### **Confronting Climate Change with Trusted Grey Resources**

OBA Congres • November 13-14, 2023
Oosterdokskade, Amsterdam, Netherlands

# **Program Book**

ISSN 1386-2308



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**GL25 Program and Conference Bureau** 





### **Table of Contents**

	Foreword	3
	Program Committee	4-5
	Conference Program and Timetable	6-7
_		
Program	Opening Session – Welcome, Keynote, and Opening Addresses	9
	Session One – Increasing the Visibility of Trusted Grey Resources	11
	Session Two – Dilemmas, Challenges, and Accuracy of Grey Literature	15
	Poster Session and Sponsor Showcase	19
	Session Three – Climate Change and Grey Literature: The INIS-IAEA Use Case	24
	Professional Development Forum – New initiatives with potential for Grey Literature	27
Advertorials	INIS, The International Nuclear Information System	8
	Figshare - Leading Cloud Repository Software for Your Organization's Grey Literature	10
	PsycEXTRA via EBSCO	14
	KISTI, Korea Institute of Science and Technology Information	18
	CVTISR, Slovak Centre of Scientific and Technical Information	23
	TIB, German National Library of Science and Technology	26
	NTK, National Library of Technology, Czech Republic	29
	TGJ, The Grey Journal, Subscription Form 2024	36
	EBSCO Library, Information Science & Technology Abstracts with Full Text	38
Appendices	About the Authors	30
	List of Participating Organizations	
	Index to Authors	37

### CIP

### **GL25 Program Book**

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### **Foreword**

# CONFRONTING CLIMATE CHANGE WITH TRUSTED GREY RESOURCES

With over a quarter century of research on grey literature carried out by diverse communities of practice in this field of information, a collective challenge emerges. Researchers and authors in sectors of government, nongovernment, academics, and business spanning manifold disciplines in science, technology, and the humanities are called to action. Their years of work dealing with the production, processing, digital publication, open access, and preservation of research outputs in multiple formats is called upon in confronting climate change.

At this point in time, with the advancements in information technology available to grey literature and in accordance with FAIR data principles, researchers, authors, librarians, and other information professionals and practitioners are tasked to ensure that research outputs are findable, accessible, interoperable, and render potential reuse in furthering research and education in their respective disciplines and sectors of information.

GL25 seeks to accept this challenge. To this end, grey literature communities worldwide are called upon to direct their attention in responding to climate change for the benefit of our vulnerable planet.

Dominic Farace GreyNet International Amsterdam, November 2023



### **GL25 Program Committee**



Brian Bales <sup>Chair</sup>
Nuclear Information Section,
International Atomic Energy
Agency, United Nations





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Joachim Schöpfel University of Lille France





Marta Dušková Slovak Centre of Scientific and Technical Information Slovakia





**Dominic Farace**GreyNet International
Netherlands





### Day One - Conference Program

Moderator Day One: Brian Paul Bales, International Nuclear Information System, INIS-IAEA, Austria

09:00 REGISTRATION DESK OPENS

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veicome Aaaress,	Brian Paul Bales, International Nuclear Information System, INIS-IAEA Austria	9
Keynote Address,	Climate change and the key role of grey literature in the required policy making  Prof.dr. Gerard van der Steenhoven, Netherlands Ministry of Interior and University of Twente,  Netherlands	
Opening Address,	Innovations in the Dutch Data Landscape: From Knowledge Graphs to Large Language Models Vyacheslav (Slava) Tykhonov, Data Archiving and Networked Services, DANS Netherlands	
11.00 -11:30	Morning Break	
Session One – Inc	reasing The Visibility of Trusted Grey Resources 11:30 – 13:00	
	g, Using and Preserving Trusted Grey Literature on Climate Change ent Digital, France and Julia Gelfand, University of California, Irvine, United States	1
Philippines and Vicamsin Vicary and	of Grey Literature in Achieving Sustainable Fishing: Case Studies from Cambodia, Indonesia, et Nam  Maria Kalentsits, Food and Agriculture Organization, FAO of the United Nations, Italy; orthern Iloilo State University, Philippines	1
<b>Published Researc</b> Daryl L. Superio, Ri Frish Estante-Supe Ariette De Asis, Eile	Literature on Climate Change Research in the Philippines: A Bibliometric Analysis of Locally hes izzamila R. Superio, and Rolelyn B. Paredes, Northern Iloilo State University; irio, Mary Grace Oliveros, and Joy Geromiano, Southeast Asian Fisheries Development Center; een Estoque, and Edna T. Suganob, Northern Iloilo State University; iz State University; Ethelyn Abaday-Maglangit, Mindanao State University at Naawan, Philippines	1
Climate Change	ntial of Grey Literature by Recognizing its Publishers: The PUBGREY Project and the Case of reyNet International, Netherlands; Stefania Biagioni and Carlo Carlesi, ISTI-CNR, Italy	1
13:00 - 14:00	Lunch	
Session Two – Dile	emmas, Challenges, and Accuracy of Grey Literature 14:00 – 15:30	
and Policy in the l	oment and Maintenance of Accurate Grey Literature on Climate Change: A Case Study of the Law United States and Joyce Lee, University of Wisconsin - Milwaukee, United States	1
	rrces Don't Help Us Address Climate Change: A Grey Dilemma rson, LAC-Group, United States	:
-	c Decision-Making, and Climate Change: The Many Roles of Grey Literature anald and Patricia Manuel, Dalhousie University, Canada	:
	h PhD Theses on Sustainable Development S – GERiiCO; Joachim Schöpfel, Université de Lille, France	1
15:30 - 16:00	Afternoon Break	
Conference Tour (	of the Amsterdam Central Public Library 16:00 – 17:00	
19:00	Conference Dinner	









### Day Two - Conference Program

Moderator Day Two: Tamsin Vicary, FAO, Food and Agriculture Organization of the United Nations, Italy

### 09:00 REGISTRATION DESK OPENS

<b>Poster Session and Sponsor</b>	Showcase 09:30 - 11:00	
Patent Files in the National a Veronika Potočnik and Mojca	and University Library a Trtnik; National and University Library, NUK, Slovenia	1
	Grey Literature and Crosslinking their Work: GreyGuide Portal and Repository Carlesi, InfraScience; ISTI-CNR, Italy; Dominic Farace, GreyNet, Netherlands	1
information considering gre	maturity conceptual model for developing and sharing scientific and technological y literature im, Korea Institute of Science and Technology Information, South Korea	2
-	rature on Sustainable Development of Lille and Hélène Prost, CNRS - GERiiCO, France	2
Adrian Ariatin, Wawan Dhew	uring COVID-19 Pandemic: A Case Study of Kopontren vanto, Oktofa Yudha Sudrajad, Sonny Rustiadi, and Meditya Wasesa, School of Business eknologi Bandung, Bandung, Indonesia	2
A New Approach to the Field Dominic Farace, GreyNet Into	d of Grey Literature: 'Let's Reduce the Noise and Raise Awareness' ernational, Netherlands	2
	udy of an on-demand scientific information collection based on AI system and Hyejin Lee, Korea Institute of Science and Technology Information, South Korea	2
Following the Science using Stacy Lathrop, National Libra	the NCBI Bookshelf ary of Medicine, National Institutes of Health and Ariah Long, NLM Associate, USA	2
	ology and vulcanology in ancient Italian maps, local chronicles, and timelines earch Council of Italy, CNR Central Library, Italy	2
Session Three – Climate Cha	ange and Grey Literature: The INIS-IAEA Use Case 11:00 - 12:30	1
Viet Phuong Nguyen and Bria	hange studies at the International Nuclear Information System an Paul Bales, Division of Planning, Information and Knowledge Management, gy, International Atomic Energy Agency, Austria	
Brian Paul Bales, Division of F	: User Narratives for Successful and Equitable Information Services Planning, Information and Knowledge Management, gy, International Atomic Energy Agency, Austria	
Nicolas Rucks, Nuclear Inforn	ions of the IAEA Lise Meitner Library to the INIS database mation Section; Division of Planning, Information and Knowledge Management gy; IAEA Lise Meitner Library, Austria	
12:30 - 13:30	Lunch	
Professional Development I	Forum – New Initiatives with Marked Potential for Grey Literature 13:30 – 15:00	
Grey Literature Supporting t	the Right to Knowledge Silvia Giannini, Stefania Lombardi, and Anna Molino, nce and Technologies, ISTI-CNR, Italy	
	n Agile Mindset as the Prerequisite to Agile Transformation orld, United States	
Alistair Reece, GeoScienceW		
Harnessing the Power of Al 1	for Managing Grey Literature nt in Nuclear Knowledge Management, Austria	
Harnessing the Power of Al 1		

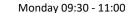
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**Keynote Address** 

**Prof.dr. Gerard van der Steenhoven**Netherlands Ministry of Interior
and the University of Twente

Gerard van der Steenhoven is a special advisor at the Ministry of the Interior (and Kingdom Relations) in the Netherlands, and part-time professor at the University of Twente in meteorological and climatological disaster risk reduction. From 2014 until 2023 he served a nine-year term as Director General of the Royal Netherlands' Meteorological

Institute (KNMI). Previously, he was dean of the Faculty of Science and Technology at the University of Twente (2008-2013), and president of the Netherlands' Physical Society (NNV, 2007-2013). As KNMI director initiated а multi-annual investment in the renewal of the observational and IT infrastructure of the institute, leading to the development of a national Early Warning Center. Within Europe he served as chair of the EUMETSAT council (2018-2022) and initiated the development of the first European NMHS directors' strategy (2016). At present his activities focus on supporting various climate initiatives in the Netherlands (such as the national Climate Research Initiative NL, and the regional Delta Climate Centre in Vlissingen), various assessment committees, public lectures and advisory work. Gerard van der Steenhoven obtained his PhD in experimental physics at the Vrije Universiteit in 1987 and worked as a postdoc at the Massachusetts Institute of Technology thereafter.

In 1989 he started as a senior researcher at the national research institute Nikhef in Amsterdam.

Gerard.Steenhoven@minbzk.nl



**Welcome Address** 

Brian Paul Bales International Nuclear Information System, INIS-IAEA, Austria

Brian Paul Bales is Coordinator (Unit Head) of the International Nuclear Information System (INIS) at the International Atomic Energy Agency (IAEA) in Vienna, Austria. INIS is an open access repository for nuclear science and technology literature that has existed for more than 50 years and has over 132 member states and organizations. Brian's special areas of interest include digital preservation, information management, and artificial intelligence to foster knowledge sharing, innovation and progress. Previously, he worked for the archives and records section of the UN's International Residual Mechanism for Criminal Tribunals (IRMCT) in Arusha, Tanzania, as well as an earlier 7year assignment with the IAEA. He holds a Master's Degree in Information Technology from the University of Denver.

B.Bales@iaea.org



**Opening Address** 

Vyacheslav Tykhonov
Data Archiving and Networked
Services, DANS
Netherlands

Vyacheslav Tykhonov (Slava) was born in Kyiv, Ukraine. With a background in information and computer science, Slava has worked for more than 20 years in the area of software development, research and innovation for national, European international research infrastructures. Most recently, as a Senior R&D Engineer at DANS-KNAW FAIR data expert. Slava participated in various European projects funded by the EC. For many years, he has been an active member of the Open-Source community around the Harvard Dataverse platform. As a knowledge engineer and Semantic Web enthusiast, Slava explored and implemented new solutions and data services, from data enrichment to long-term archiving.

vyacheslav.tykhonov@dans.knaw.nl



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Session One Monday 11:30 - 13:00

# Finding, Organizing, Using and Preserving Trusted Grey Literature on Climate Change

**Toby Green**, Coherent Digital, France **Julia Gelfand**, University of California, Irvine - United States

### **Abstract**

Ahead of COP26, in November 2021, Yale's Climate Connections published a list of a dozen key research reports that they recommended attendees read. Just one was published, formally, in a journal. The other eleven were published as grey literature. Since grey literature is, by definition, hard to find and difficult to preserve, it follows that just one of these 12 important reports is to be found today in the scholarly record. This is a major problem for researchers who rely on the established discovery tools like Web of Science, Scopus, CompendEx or Google Scholar when seeking out new literature. This striking example from Yale illustrates not only how much grey literature there is on climate sciences, it also illustrates the extent to which trusted organizations, like the International Energy Agency or IPCC, no longer work with publishers and now release their new research as grey literature. Speculation suggested that greater openness might make what was grey less grey, however the opposite may be true: what was formally or traditionally published before by government agencies, non-profits and other sources is now grey.

In this presentation, you'll learn how Policy Commons goes about identifying, harvesting, organizing and preserving grey literature, at scale. You'll learn how Policy Commons is beginning to connect the grey literature it indexes with the scholarly record so this content can be as easily found as any journal article. With growing numbers of organizations turning away from formal publishing solutions and choosing to "self-publish" via their own websites, a new kind of secondary publisher will be needed if this knowledge is not to be lost in the fight against climate change.

Information about climate change has a long history that informs current and evolving research and practices. Researchers and policy advisors need to track and reference this chronology in order to determine new best practices that will protect our environment, inform citizenry about the science, implications and future decisions to be made regarding climate change. Scientific, economic, political and social threads contribute to greater understanding of climate change and this presentation will demonstrate how grey literature is a vital part of the climate change literature and needs to be seen, accessed and preserved alongside traditionally published literature. This interdisciplinary context is critical to scaling the information needed to meet the challenge of making life on earth sustainable for generations to come.

# The contribution of grey literature in achieving sustainable fishing: case studies from Cambodia, Indonesia, Philippines and Viet Nam

**Tamsin Vicary and Maria Kalentsits**, Food and Agriculture Organization, FAO of the United Nations, Italy **Daryl L. Superio**, Northern Iloilo State University, Philippines

### **Abstract**

During 2022, FAO and SEAFDEC completed a project to identify, record and analyse research under the scope of Sustainable Development Goal (SDG) indicator 14.4.1 – proportion of fish stocks within biologically sustainable levels. Research and data on the status of stocks is essential for their sustainable management and in ensuring they contribute to food security, employment and trade. The challenge of assessing and sustainably managing a country's national stocks is even more critical in the context of climate change given changes to the marine environment. Focusing on four countries in southeast Asia, (Cambodia, Indonesia, Philippines and Viet Nam), this project sought to increase the visibility of research and data sets previously only available at local and national levels. The research and data identified during the project would be analysed to identify knowledge strengths and gaps in the region, therefore contributing to the sustainable management of marine fisheries in the region.



Session One Monday 11:30 - 13:00

At the start of the project, a search methodology was agreed and used to search the ASFA database. Fifteen participants from four countries were recruited with access to, and knowledge of, their institution's holdings, research and data on stock assessments and marine fisheries. Training on the search methodology was given to participants who recorded relevant results on OpenASFA.

The project resulted in 1,047 resources being recorded by participants which are now freely searchable on the FAO Fisheries and Aquaculture website. This compares to only 350 results identified using ASFA database- demonstrating the need for efforts to be made to improve the accessibility of research produced in the region. Many of the results recorded by participants could be classed as grey literature which can suffer from a lack of resources to adequately catalogue and make findable, preventing the research and data from informing further research and policy making decisions. Barriers to sharing data in particular were raised by participants and further work is needed to implement open data policies whilst ensuring adequate protection of data rights, for example by ensuring credit is given to the collecting institute/ researcher. To meet the global challenge of climate change and SDG target 14.4 on sustainable fishing, the capacity to store, share and access research and data on fish stocks is required at local, national and international levels. Whilst improving the visibility of research and data from the region, the project has also highlighted the challenges of ensuring data and information is made FAIR on an ongoing basis.

# The Value of Grey Literature on Climate Change Research in the Philippines: A Bibliometric Analysis of Locally Published Researches

**Daryl L. Superio, Rizzamila R. Superio**, and **Rolelyn B. Paredes**College of Information and Computing Studies, Northern Iloilo State University

**Erish G. Estante-Superio, Mary Grace H. Oliveros,** and **Joy F. Geromiano,** Aquaculture Dept., Southeast Asian Fisheries Development Center

Ariette A. De Asis, Eileen I. Estoque, and Edna T. Suganob, College of Arts and Sciences, Northern Iloilo State University

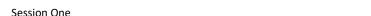
Martin F. Floro, College Library, Capiz State University - Dayao Satellite College

Ethelyn Abaday-Maglangit, Library Department, Mindanao State University at Naawan, the Philippines

### **Abstract**

WorldRiskReport 2022 identified the Philippines as the country with the highest disaster risk. Typhoons, floods, tsunamis, sea-level rise, and drought are all constant threats to Filipinos - all of which are viewed as effects of climate change. Although typhoons are prevalent in the Philippines, stronger typhoons have visited the country more frequently in recent years. These catastrophic hydrological events have harmed people's lives, livelihoods, public infrastructure, and residences, resulting in displacement, poverty, and hunger. The importance of research in minimizing, if not combating, the effects of climate change cannot be overemphasized. Over the years, Filipino scientists, researchers, and academics have worked to reduce the risks, mitigate the negative consequences, and find solutions to adapt to climate change. Although hundreds of these studies have been communicated through traditional publication channels, a significant number is believed to be unavailable since they were either unpublished or published as grey literature (GL). Grey literature is an important publication type and is acknowledged to fill an essential role in research, academia, and policy-making. Thus, this study evaluates the value of GL in climate change research in the Philippines. Bibliometric analysis will be employed to identify locally published climate change-related journal articles through Philippine E-Journals, an online database of local journals.

The study aims to: 1) assess the use of GL in published climate change research in the Philippines; 2) identify the most commonly cited types of GL; 3) identify the most common publishers of cited GL; 4) measure the online and offline accessibility of cited GL; and 5) assess research trends in terms of annual growth and subject area. The study's findings will be valuable to climate change researchers, academicians, and policy-makers.





Realizing the Potential of Grey Literature by Recognizing its Publishers: The PUBGREY Project and the Case of Climate Change

Monday 11:30 - 13:00

**Dominic Farace**, GreyNet International **Stefania Biagioni** and **Carlo Carlesi**, InfraScience, ISTI-CNR, Italy

### Abstract

The way to confront climate change is by publishing the results of research dealing with the manifold and diverse topics associated with this complex entity. In response to this, GreyNet sets out to identify among its community of practice organizations that consider themselves publishers in grey literature. This is initiated by designing a standardized template comprising ten fields. The acquisition of the data compiled via the online template harvested 25 records. The records captured in this phase of the project now comprise the PUBGREY registry openly accessible on GreyNet's website and via the GreyGuide, GreyNet's web access portal and repository. The organizations that appear in the PUBGREY registry are together seen as a consortium of publishers in grey literature. Together they demonstrate the supply-side of grey literature where its production, publication, and open access adhere to FAIR data principles.

In the second phase of the project, a selection of records is made based on three criteria forming the population of this use case. These criteria include: open access compliance, each organization will have already been assigned a ROR ID, and an individual's email address is provided as the point of contact in the record.

Individuals who provided content for the PUBGREY registry are then asked to respond to results that were compiled using the search function on their websites. The search terms used are 'climate', 'climate change', and 'circular economy'. The later search term was included in this study based on a recent working paper demonstrating how circular economy provides a strategy in achieving goals for climate change. The respondents are also asked to complete a brief online survey dealing with grey literature. One that was also used in an earlier study on circular economy. The responses to the search results and the online survey will then be analyzed, compared, and presented in summary.

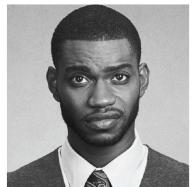
While the initial phase of the PUBGREY project demonstrates that grey literature is published by recognized organizations, the second phase of the project – seeking to establish to what extent the topics covered by the publishing organizations are related to climate change, is yet undetermined. It is expected however that responses in this phase of the project will provide a primary interface linking climate change with research published in grey literature.



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Session Two Monday 14:00 - 15:30

# Collection Development and Maintenance of Accurate Grey Literature on Climate Change: A Case Study of the Law and Policy in the United States

Tomas A. Lipinski and Joyce Lee

School of Information Studies, University of Wisconsin Milwaukee, United States

### **Abstract**

The United States exists in a Post-truth Era with false beliefs such as the moon landing was a hoax, the 2020 presidential election was stolen, the Chinese government created, then distributed the Covid-19 virus and many others. Conspiracy theorists abound in the U.S. cultrual landscape. Another such belief is that climate change is not occurring.

This study explores in a U.S. Constitutional context the ability of public librarians and public libraries to collect and maintain truthful grey content regarding climate change. One element of many collection development policies in libraries is accuracy. See, ACLU v. Miami-Dade County School Board, 557 F.3d 1177, 1184 (11th Cir.), cert. denied 130 S. Ct. 659 (2009). Accuracy is also used to assess collection maintenance. Prior content including grey literature created and collected at time when climate change was unproven is no longer accurate and should be withdrawn. Likewise requests by patrons to keep or add content presenting an alternative inaccurate viewpoint regarding climate should withdrawn or refused. In the United States the First Amendment guarantees not only the right to speak but also to receive information, including in a public library, the quintessential locus of the receipt of information." Kreimer v. Bureau of Police for Town of Morristown, 958 F.2d 1242, 1255 (3d Cir. 1992). Under First Amendment Forum analysis, a public library collection would be considered a non-public forum. In a non-public forum, government policies that regulate speech must be rationale and viewpoint neutral. See, Case v. Unified School District No. 233, 908 F. Supp. 864, 875 (D. Kan. 1995). The constitutional framework poses the following questions: Do public library patrons have a right to require that inaccurate grey content regarding climate change be retained or added to the collection? Must a public library accept gifts of such content, adding it to its collection? Likewise do those same patrons have the right to object when librarians withdraw inaccurate grey content regarding climate change reflecting an alternative viewpoint?

A textual analysis of the extant case law regarding the rights of public librarians and their patrons is undertaken in order answer these questions. In addition to relevant U.S. Supreme Court, the following cases among others are analyzed and discussed. *ACLU v. Miami-Dade County School Board*, 557 F.3d 1177 (11th Cir.), cert. denied 130 S. Ct. 659 (2009); *Elgi v. Chester County Library System* [CCLS], (E.D. Pa. 2019); and *Via v. City of Richmond*, 543 F.Supp. 382 (D.C.Va. 1982).

cases reviewed should prove instructive regarding the rights and limitations of public librarians and libraries to collect and maintain accurate content including grey literature regarding climate change as well as the rights and limitations of patrons possess to impact that collection development and maintenance process. Strategies and responses to interactions with patrons holding alternative viewpoints on climate change are forwarded to assist public librarians and libraries in their efforts to collect and maintain truthful grey content regarding climate change.

# When trusted sources don't help us address climate change: A grey dilemma

Kathrine A. Henderson, LAC-Group, United States

### **Abstract**

One of the benefits of grey literature is that it's available to a much broader audience than research published in academic journals or dissertations. Not that grey literature opens up knowledge to everyone, the reader still has to have a certain level of literacy or education, access to the internet, and perhaps most importantly some curiosity about or reason to seek the information in the first place. Even where this criteria is met, trusted grey literature doesn't always clarify issues or lead to a useful



Session Two Monday 14:00 - 15:30

course of action as demonstrated in the following three climate-related case studies. Note that each scenario is built solely on readily available grey literature.

- 1. The *recycling scenario* reveals the untenable situation in which consumers realize that the plastic they put into recycling is destined for the landfill.
- 2. The *biomass scenario* examines the state of the bioeconomy and the unintended consequences of plant-based energy solutions.
- 3. The *ESG investment scenario* questions whether climate change risk should inform investment decisions.

Why do these simple case studies matter? Because these dilemmas aren't academic exercises designed to spark a robust discussion or to add interest to an article. These are real concerns happening at a global scale. Right now policy makers in the United States, European Union, and United Kingdom are trying to figure out what companies should be doing. Coalitions, industry associations, and standard setters are looking for a path forward too. Scientists are doing their best to explain it all and innovators are working on previously unimaginable solutions. Efforts are abundant, but it's tough all around because our knowledge about what to do about climate change isn't fully developed and policy-wise we are at odds. We are still working on how companies can actually measure things like Scope 3 emissions, an inability which puts net-zero goals in jeopardy; we are struggling to bring clean energy solutions to poorer communities and communities of color, and we are only just now looking at how to provide a place retailers and consumers can recycle unwanted clothing and textiles.

Purpose: To illustrate the limits of grey literature to inform the general public about climate change

and to help individuals take meaningful actions that support sustainability.

Methods: Literature Review

# Information, Public Decision-Making, and Climate Change: The Many Roles of Grey Literature

### Bertrum H. MacDonald

Department of Information Science, Faculty of Management,
Dalhousie University, Canada

### Patricia Manuel

School of Planning, Faculty of Architecture and Planning, Dalhousie University, Canada

### **Abstract**

The far-reaching effects of climate change are among the leading global concerns today. The impacts of changing climate manifest in rising global temperatures (on land and in the ocean), escalating instances of destructive extreme weather events, increasing biodiversity loss, growing food insecurity, greater health risks (physical and mental), and spreading involuntary migration of people and biota, among other interconnected factors. The complexity of these problems individually and collectively is receiving extensive consideration in research and public arenas. Concerns about the influences of climate change have been increasing since the 1950s and through the last half of the twentieth century scientific understanding reached a consensus of the causes and numerous negative outcomes. Researchers in many disciplines are cautioning that the world is rapidly reaching a tipping point in the overall health of the planet, after which recovery will be very difficult. In addition, decision makers are grappling with how to evaluate multiple and sometimes competing calls for action and to decide how to address the issues best.

In both research and decision-making settings, grey literature has been a prominent information genre about the multifaceted aspects of climate. Large quantities of grey literature on climate and climate change subjects have been produced. Academic institutions, governmental and intergovernmental



Session Two Monday 14:00 - 15:30

bodies, non-governmental organizations, professional associations, think tanks, and news media have turned out grey literature ranging from brief brochures to hefty technical reports. These materials have been generated in print and digital formats to fulfil a suite of roles: 1) to report research findings, 2) to compile and synthesize literature on research and professional practice, 3) to inform policymakers and the public, 4) to advocate for policy development, 5) to promote change in professional and individual practice, and 6) to counter misinformation. Drawing on our research about decision making in public policy and management practice about coastal and marine environments, we will illustrate how grey literature on climate subjects has been deployed in delivering on these roles. Grey literature is widely used in many decision-making contexts. Recognizing its numerous roles can inform citizens, managers, planners, and policy- and decision-makers in addressing the climate challenges facing society today.

### A Review of French PhD Theses on Sustainable Development

**Hélène Prost**, CNRS, ULR 4073 - GERiiCO, France **Joachim Schöpfel**, University of Lille, ULR 4073 - GERiiCO, France

### **Abstract**

**Problem/goal** Since more than 30 years, sustainable development has become a major challenge for mankind. The United Nations' Agenda 2030 calls for enhanced scientific research capacity to achieve the targets of the seventeen Sustainable Development Goals (SDGs). Scientific research and development are required to produce solutions for problems like climate change and global warming, air and water pollution, land degradation, loss of biodiversity or limited resources. Grey literature is part of the solution, insofar it is a vector of fast and rich communication of research results through communications, working papers, reports, posters, theses and so on. Therefor, it is also a reliable and relevant way to learn more about the topics, institutions, and actors in the field of research on sustainable development.

For this last purpose, PhD theses are of particular interest because they offer a representative perspective on the current academic research at universities worldwide and because many theses are freely available in open repositories. For this reason, our proposal is to assess the French PhD theses on sustainable development, via an analysis of the data of the national portal theses.fr. Our objective is twofold: to give a scientometric overview on the PhD landscape in France in the field of sustainable development; and to show how PhD theses (as a major part of grey literature) and related tools can be helpful for the scientometric study of science.

This study is related to our former research on PhD theses and dissertations with the Grey Literature Network Service (Greynet International) and with the Networked Digital Library of Theses and Dissertations (NDLTD).

Research method/procedure The review is based on data from the French national portal theses.fr. This portal contains more than 430,000 PhD theses defended in French universities since 1971, together with nearly 80,000 theses in preparation. We will search for some central topics of sustainable development (climate change, global warming, biodiversity, carbon footprint...) in the theses' titles, abstracts, and keywords. The retrieved data will include the university of defence, the PhD supervisor, the scientific discipline, the language, the accessibility, and the year of defence.

**Anticipated results** The results of our study will provide a detailed review of the French PhD research on sustainable development. The most important aspects will be:

- The main French research universities in the field of sustainable development, including the most eminent academic scholars.
- The disciplinary distribution of the research on sustainable development.
- The accessibility of the PhD theses on sustainable development (open science).

As our review will distinguish between a predefined set of environmental topics, we will provide a differentiated analysis of the PD research on the ecological dimension of sustainable development. The analysis of the year of defence will allow a longitudinal approach to these aspects, with a focus on the decade from 2011 to 2020. A special focus will be on the theses in preparation.





**Practical implications** The paper highlights the value of grey literature for the research on sustainable development. Our approach can be applied to other resources in the field of grey literature and research data. The results allow for a comparison with other types of documents (journal articles, reports, patents...), data sources (databases, repositories, platforms...) and countries. The limitations of the methodological approach are discussed.

Monday 14:00 - 15:30

# Korea Institute of Science and Technology Information (KISTI)

English version - http://en.kisti.re.kr/

### \* Vision

World-class information research institute creating values for customers

### \* Main functions



### \* Management and service of Korean R&D reports

KISTI exclusively manages, preserves, and serves Korean R&D reports for citizens and government officials. It provides Korean R&D reports and their information with National science & Technology Information Service (NTIS) and National Discovery for Science Leaders (NDSL).

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### Patent Files in the National and University Library

Veronika Potočnik and Mojca Trtnik, National and University Library, NUK, Slovenia

### **Abstract**

The Ephemera and Grey Literature Collection of the National and University Library holds patent files acquired by Slovenia in accordance with the law on legal deposit. The patent files are interesting both from a thematic point of view, as they cover various fields (from printing and bookbinding to industries), and from a historical point of view, since they date back to the time of the Kingdom of Serbs, Croats and Slovenes and later the Kingdom of Yugoslavia (from 1922 to 1942). We have recognized the importance and value of this type of material and, in order to make it most widely accessible, we developed a plan for cataloguing and digitizing the patent files in the Digital Library of Slovenia. Due to staff shortages and the large-scale project (11,000 items or 71,772 pages), we decided to include about half of all the material in the first phase of the project. After reviewing the existing cataloguing rules, we decided on a new way of processing this type of material: the collective entry. The cataloguing of the patent files was a challenging task and involved collaboration with the National Bibliographic Centre. The staff of the Collection of Ephemera and Grey Literature prepared records in the Slovenian Cobiss mutual catalogue, thus enabling users to make the first contact with the material. Cataloguing was followed by the digitization phase and inclusion of metadata in the Digital Library of Slovenia.

# Identifying the Publishers in Grey Literature and Crosslinking their Work: GreyGuide Portal and Repository

**Stefania Biagioni and Carlo Carlesi**, InfraScience, ISTI-CNR, Italy **Dominic Farace**, GreyNet International, Netherlands

### **Abstract**

In 2023, GreyNet International engaged in two projects involving grey literature. Both deal with ongoing and sustained information resources openly accessible via the GreyGuide Portal and Repository.

### **PUBGREY**

The end goal of this project is to establish a consortium of publishers in grey literature. The first step was to compile and publish the PUBGREY Registry connecting the supply and demand sides of this field of information. This unique resource contains standardized linked records submitted by the publishing bodies. Together, these publishers demonstrate the value grey literature holds for research and education, while exposing misconceptions that are outdated regarding this field of information.

### CiteGrey

GreyNet International relies on a shared workflow that is fully open access compliant. The CiteGrey project relies on three partners: the GreyGuide Repository, DANS Data Archive, and the TIB AV-Portal in publishing and preserving its linked collections of conference papers, accompanying datasets, and audiovisual presentations for purposes of citation and reuse. The crosslinking of the DOI with other digital persistent identifiers such as the ORCiD, ROR, and Funder IDs is implemented via DataCite Commons.



### Design of a Digital Curation Maturity Conceptual Model for Developing and Sharing Scientific and Technological Information Considering Grey Literature

Seokjong Lim and Jayhoon Kim,
Korea Institute of Science and Technology Information, South Korea

### **Abstract**

KISTI has promoted a BPR project for digital transformation to respond to changes in the open science and artificial intelligence technology environment. A characteristic of the BPR conducted by KISTI is that it borrowed the concept of the maturity model. The maturity model is intended to measure an organization's ability for continuous improvement. The higher the maturity, the lower the probability of problems occurring and the ability to flexibly respond to changes for quality improvement. This study presents a curation maturity conceptual model that can measure the degree of digital transformation of the science and technology information construction and sharing system.

### 20 Years of French Grey Literature on Sustainable Development

**Joachim Schöpfel**, University of Lille, ULR 4073 - GERiiCO, France **Hélène Prost**, CNRS, ULR 4073 - GERiiCO, France

### **Abstract**

How is sustainable development addressed in the realm of French grey literature? In addition to our full paper concerning French doctoral theses on sustainable development, the poster will present empirical findings regarding conference papers, scientific reports, working papers, and other unpublished documents. These findings are sourced from the national HAL repository, spanning from 2003 to 2022. The results will encompass statistics and proportions pertaining to various categories of grey literature, their availability, the prevalence of the French language, and the distribution across different academic disciplines. This poster aims to enhance our comprehension of the role and significance of grey literature within the field of sustainable development.

# **Business Survival Strategy during COVID-19 Pandemic:**A Case Study of Kopontren

Adrian Ariatin, Wawan Dhewanto, Oktofa Yudha Sudrajad, Sonny Rustiadi, and Meditya Wasesa School of Business and Management, Institut Teknologi Bandung, Bandung, Indonesia

### **Abstract**

The COVID-19 pandemic has drastically affected conditions and activities, including at the boarding school kopontren in West Java Province, Indonesia. Business activities carried out to meet daily needs had to be stopped. This study aims to determine the kopontren survival strategy used to survive during the pandemic. The case studies were conducted through in-depth interviews with the heads of the Kopontren business units, business actors, and academics who were directly or indirectly involved in the Kopontren business. This study refers to the theory of survival strategies in the context of Islamic boarding schools called kopontren during the COVID-19 pandemic. The results showed that the efforts made by Kopontren in surviving the pandemic were reducing production capacity, changing business models, exploiting natural resources, and being strengthened by working together.



### A New Approach to the Field of Grey Literature: 'Let's Reduce the Noise and Raise Awareness'

Dominic Farace, GreyNet International, Netherlands

### Abstract

By drawing public awareness to grey literature without at the same time incorporating the results of studies over the past thirty years would be counterproductive. A campaign of public awareness with a new focus on grey literature is required. However, such an initiative can only be achieved in collaboration with the many grey literature stakeholders led by the publishers in grey literature, who are on the forefront of research and innovation in their specific domains of science. GreyNet International owing to the support of its associate members has over the past three decades sought to promote and undertake research, publication, open access, education, and public awareness of grey literature. Emphasis on its supply side was always its starting point from which the field could confront the problems voiced by the demand side and adequately address them.

The aim of the seminar is twofold: to confront an outdated mindset regarding grey literature by discussing its development as a field in information science; and, to establish how grey literature serves as a driver and vehicle in the generation and transfer of knowledge. The didactic approach carried out follows upon the line of questioning used in a survey carried out in 2020 and reused in 2023.

### A conceptual design case study of an on-demand scientific information collection based on AI system

Jayhoon Kim, Miwhan Hyun, and Hyejin Lee Korea Institute of Science and Technology Information, KISTI

### Abstract

The authors introduce research on conceptual design to collect and provide science and technology trend information using AI and human collaborative curation process by the Korean Science and Technology Information curation organization.

### Following the Science using the NCBI Bookshelf

Stacy Lathrop, National Library of Medicine, National Institutes of Health Ariah Long, NLM Associate Fellow, United States

### Abstract

NCBI Bookshelf is a digital repository maintained by the National Center for Biotechnology Information (NCBI) at the National Library of Medicine. It provides free online access to books and documents, including grey literature, related to life sciences and healthcare. It is a searchable, full-text literature product integrated with PubMed and other biomolecular and medical genetics databases at NCBI, such as ClinVar, Genetics Testing Registry, and PubChem. Bookshelf allows you to also browse titles and provides hyperlinked tables of contents, which allow users to browse by chapter titles as well. With its integration to other NCBI resources, the NCBI Bookshelf serves as a valuable resource to researchers, students, and healthcare professionals seeking authoritative information in the field of life sciences. In this poster, we depict the various types of grey literature available in NCBI Bookshelf. And we narrow this down by searching for grey literature related to climate change and environmental health. Searching in the NCBI Bookshelf allows one to follow an original data trail by navigating through various statistical works, technical reports, reviews, guidelines and policies, including their linked peerreviewed cited evidence, and more. True evidence synthesis involves considering all available evidence that pertains to the research topic and question and its translation to practice. Grey literature, constituting nearly 40% of the NCBI Bookshelf collection, allows for a more expansive route to  $\mathbf{21}$ 



conducting evidence-based research, particularly at a time when the scholarly communications ecosystem is developing tools for non-traditional publishers such as governments and NGOs to better make their scholarly publications accessible.

# Geomapping History: Seismology and vulcanology in ancient Italian maps, local chronicles, and timelines

Luisa De Biagi, National Research Council of Italy, CNR Central Library, Italy

### **Abstract**

Earthquakes and tsunamis occur on geological time scales, but sophisticated instruments and equipment used for geophysical monitoring are often not sufficient to understand the seismic nature of a given area. This is why the study of historical seismology is extremely relevant, allowing to historians and seismologists the reconstruction of the effects of the phenomenon; from written sources/testimonies reporting the consequences on the inhabited area and the nature around, to precious catalogs and databases - now mostly freely available online - , researchers use these precious tools to translate scientific information into seismological data: a typical example of transversal connections between humanities, social sciences and STEM.

Regarding Italy, Sicily and Calabria are probably the seismic regions mostly exposed to tsunamis, also due to the extension of the coasts. The most devastating in Italy occurred after the earthquake in Messina and Reggio Calabria in December 1908. This tsunami has recently been a subject of studies and it seems that its cause was, at least in part, an underwater landslide induced by the earthquake itself

The aim of these work is to provide an overview on the history of the Italian earthquakes/ tsunamis through ancient maps and local chronicles as a support to data analysis with a special glance starting from XVII century, with the first seismic map regarding the violent 'tsunami' of S.Severo (30th Jul 1627, Capitanata earthquake, Gargano and Tavoliere delle Puglie), made by the Lincei Cartographer M. Greuter. Following..., only 66 years later, the Val di Noto earthquake (11th Jan 1693, Palermo-Sicily), and the Monte Paci earthquake (near Scilla, South Calabria, 6th Feb 1793).





Slovak Centre
of Scientific
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## INFORMATION SUPPORT OF SLOVAK SCIENCE

### SCIENTIFIC LIBRARY AND INFORMATION SERVICES

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### SUPPORT IN MANAGEMENT AND EVALUATION OF SCIENCE

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- Central Registry of Art Works and Performance
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- Central information portal for research, development and innovation - CIP RDI >>>
- Slovak Current Research Information System

### SUPPORT OF TECHNOLOGY TRANSFER

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- PATLIB centre

### POPULARISATION OF SCIENCE AND TECHNOLOGY

• National Centre for Popularisation of Science and Technology in Society

### **IMPLEMENTATION OF PROJECTS**

- National Information System Promoting Research and Development in Slovakia –
   Access to electronic information resources NISPEZ
- Infrastructure for Research and Development the Data Centre for Research and Development - DC VaV
- National Infrastructure for Supporting Technology Transfer in Slovakia NITT SK
- Fostering Continuous Research and Technology Application FORT
- Boosting innovation through capacity building and networking of science centres in the SEE region - SEE Science

www.cvtisr.sk Lamačská cesta 8/A, Bratislava



Session Three Tuesday 11:00-12:30

### Grey literature on climate change studies at the International Nuclear Information System

**Viet Phuong Nguyen and Brian Paul Bales**, Division of Planning, Information and Knowledge Management,
Department of Nuclear Energy, International Atomic Energy Agency, Austria

### **Abstract**

Established in 1970 by the International Atomic Energy Agency (IAEA), the International Nuclear Information System (INIS) has since served as a major subject repository in all areas related to nuclear science and technology. Despite its name, INIS has also made significant efforts in harvesting, categorizing, and publishing records on subjects of broader interests like energy in general or climate change studies. As a result, more than 4.5 million bibliographic records are now stored and made publicly online by INIS with topics ranging from like general studies of nuclear reactors, instrumentation related to nuclear science and technology, to energy planning, policy, and economy, or environmental science. This paper will present an analysis on the grey literature on climate changerelated subjects that have been harvested by INIS, as well as the interest of INIS users on these subjects. For example, 50% of records in the INIS repository mentioning climate change in their abstracts can be considered grey literature, or according to the categorizing system of INIS (the INIS Thesaurus), the repository has 1656 reports on "climate change", 685 on "greenhouse effect", and 24 on the Paris Agreement. On the other hand, INIS users have showed their increasing interest in climate change-related subjects via the more prominent appearance of search terms like "climate change" or "climate change and nuclear power". The analysis results show that INIS has become a useful bibliography bridge for users to connect their interest in topics directly related to nuclear energy, and in studies on climate change. As INIS currently receives about 150,000 unique searches every month with users coming from all over the world, especially from developing countries with lesser access to credible studies on climate change or other energy-related topics, INIS can play an important role in bringing grey literature on climate change closer to the public, and thus support in raising better public awareness on this timely and important topic.

# Charcoal Burning in Zambia: User Narratives for Successful and Equitable Information Services

**Brian Paul Bales**, Division of Planning, Information and Knowledge Management, Department of Nuclear Energy, International Atomic Energy Agency, Austria

### Abstract

The International Nuclear Information System (INIS) is a repository managed by the International Atomic Energy Agency that provides bibliographic information and full-text documents related to nuclear science and technology. This repository is an open platform that receives contributions of grey literature from its member states and is accessible to the public through the INIS Repository Search website.

Site administrators use Google Search Console to track the queries that led users to specific documents or bibliographic references within the repository. Administrators have observed that certain queries recur dozens to hundreds of times in a matter of a few days, then disappear. The queries use an identical phrase or slight variations, and come from a single country. Examples include, "How is Carbon 13 used in medicine?", or "What are methods for detecting heavy metals in water", or "What is the environmental effect of charcoal burning in Zambia."

Through the data gathered from these queries, it is possible to construct user narratives to determine if the repository is meeting the needs of its various audiences. A user narrative is an extended description of the user, their circumstances, and their wants, which is distinct from a user story – a more formal and short description of a user's needs used in system design.



Session Three Tuesday 11:00-12:30

As an example, consider the query related to charcoal burning in Zambia. Based on the frequent queries related to this topic, it can be inferred that the user is likely a student researching a school assignment. Additionally, it is possible that the user is accessing the repository from a mobile device or school computer and is seeking authoritative and user-friendly information that answers their specific question. By accessing the repository as the described user, we can understand their experience and identify areas where the repository could be improved.

In a repository, success can be defined as meeting the user's needs and providing information in a user-friendly manner. By conducting this exercise for underrepresented or non-represented groups and addressing the problems identified, the repository can increase its success, equity, and opportunity. Overall, constructing user narratives based on actual queries can provide valuable insights into how to improve information services and make them more equitable and accessible.

# Drops in a bucket: contributions of the IAEA Lise Meitner Library to the INIS database

Nicolas Rucks, Nuclear Information Section; Division of Planning, Information and Knowledge Management Department of Nuclear Energy; IAEA Lise Meitner Library, Austria

### Abstract

No library can have it all. It is the job of the Inter Library Loan/Document Delivery Service to get elsewhere what is not in a Library's collection. That is also the case in the IAEA Lise Meitner Library (ILML). Most of the topics the ILML deals with are nuclear related (albeit not only), and so are the "known" or specific items requested to the ILL/DD Service.

The ILML is therefore a heavy user of the INIS database, among other nuclear related databases. Many relevant documents are to be found there. In any case, it is a source that must be checked. Then again, it also happens that a given item is not in INIS. Realizing that, the ILML ILL/DD service took the initiative to report those "missing drops" to the INIS proverbial bucket. (ILML and INIS are two different units within IAEA's Nuclear Information Section).

One may wonder if a drop in a bucket is worth it. It is in this case because INIS, as other topical databases/repositories, aims for the wider possible coverage within its topical scope. Since 1972, records in INIS come from member states contributions, IAEA contributions, and yet, some documents escape the coverage, something learned by the experience of looking for requested materials like old conference papers, unpublished thesis, reports from nuclear agencies and institutions, etc.

As a relatively cheap by-product of the search of an item, every month or so, a report in RIS format with items found elsewhere than INIS is sent to INIS, including basic bibliographic information, report ID, searches performed in INIS (not finding it), and location of the material: URL of a site, library catalogue, publisher, or agency. Occasionally, a reported item may lead to the inclusion of many others, a conference paper to the proceedings, a chapter to a book, a paper to a journal, etc.

The reporting is easily replicable: any other library that stumbles upon an item not covered by INIS is welcome to inform about it.

These are items that escaped prior systematic coverage, added to INIS because some user needed it, and ILL/DD located it elsewhere. Reporting to INIS is a way of compensating the relatively high cost of looking for a specific item, hopefully avoiding others looking for it again, but finding it in INIS.





THE DIGITISATION OF SCIENCE AND TECHNOLOGY, OUR OBJECTIVE IS TO SUPPORT RESEARCHERS AT ALL STAGES OF THEIR WORK BY PROVIDING THEM WITH OUR SERVICES."

Professor Dr. Sören Auer



### **Grey Literature Supporting the Right to Knowledge**

### Silvia Giannini, Stefania Lombardi, Anna Molino

CNR, Istituto di Scienza e Tecnologia dell'Informazione "A. Faedo", Italy

### **Abstract**

CLAKP (Copyright Law and Access to Knowledge Policies Group) is a research group aiming to strengthen the right to knowledge as essential for education, innovation, and cultural access.

The research group was born to achieve the above-mentioned goal by supporting copyright reform to benefit library users and researchers.

CLAKP's topics are authors' Rights Retention, e-books and controlled digital lending, safeguarding of exceptions and limitations to copyright from technological protection measures and contractual override, and the aspects concerning secondary publishing rights and the application of open norms. CLAKP comprises the CNR-IGSG Research Group, the Italian representative for the Knowledge Rights 21 Programme (KR21), the Creative Commons Italian Chapter and the Libraries of the CNR Research Areas of Pisa and Bologna.

The Library of the CNR Area in Pisa is particularly interested in authors' Rights Retention. Indeed, the staff regularly supports the personnel in the publication process, from choosing the publication venue to depositing their products in the institutional archive, finding that many researchers are unaware of their rights and how to retain them. For this reason, the library staff keeps abreast of the strategies authors can adopt to maintain their rights.

In this perspective, the contribution to the CLAKP group mainly regards collecting policies, strategies, and experiences in the field of Rights Retention.

So far, a series of videos on the main topics of CLAKP have been realised. As for the one about Rights Retention, a preliminary study has been conducted on grey literature regarding this subject and how it is approached in some European countries.

Therefore, we aim to deepen this further investigation and produce information material of various kinds that may help authors for a fair publication.

### All In the Mind - Adopting an Agile Mindset as the Prerequisite to Agile Transformation

Alistair Reece, GeoScienceWorld

### **Abstract**

In today's rapidly changing world, the ability to adapt and thrive is crucial for success. To navigate the ever-changing needs of stakeholders and communities, many organizations seek to implement Agile methodologies. However, the true catalyst for meaningful transformation lies in fostering an Agile Mindset within these organizations.

This presentation explores the indispensable role of an Agile Mindset as a prerequisite for successful Agile transformation. We will explore the core principles and values that shape the Agile Mindset, emphasizing how this way of thinking cultivates a culture of collaboration, adaptability, and continuous improvement. By embracing this mindset organizations enhance their impact, drive innovation, and effectively address the evolving needs of their communities.

Using GeoScienceWorld as an example of an organization undergoing Agile transformation and seeking to adopt an Agile Mindset, we will discuss how keeping the 4 values of Agile to the forefront of our thinking has impacted our internal, and external, business practices, paying particular attention to product development and prioritization.



### Harnessing the Power of AI for Managing Grey Literature

### Dr. Dobrica Savić

IAEA Consultant in Nuclear Knowledge Management

### **Abstract**

Artificial intelligence (AI) has taken the world by storm. What does it mean for grey literature? This presentation will highlight innovative ways for applying AI to bolster the efficiency of Grey Literature (GL) management, elevate metadata quality, and enhance user experiences. The use of AI is already redefining the ways we engage with various types of information and data. It is up to all GL professionals to integrate AI into our work and harness its power. Three fundamental GL management facets, namely metadata creation, summarization, and user experience, offer great potential and a good starting point for using the power of AI. Together, let's discover how this transformative technology can revolutionize management of grey literature with far-reaching implications.

# Czech National Repository of Grey Literature



### **NUSL** is

a digital repository for grey literature

### Free

online access

### Goals

- Central access to grey literature and the results of research and development in the Czech Republic
- Support of science, research and education
- Systematic collection of metadata and digital documents
- Long-term archiving and preservation
- Cooperation with foreign repositories

### **Features**

### **Provider:**

National Library of Technology Prague, Czech Republic

### **Records:**

over 500,000 records

### **Collection provenance:**

**Czech Republic** 

### **Partners:**

over 150 organizations (Academy of Science, Public Research Institutions, Universities, State Offices, Libraries, NGOs etc.)

### **International Cooperation:**

OpenGrey, OpenAire, ROAR, OpenDOAR, BASE, WorldWideScience

### What else?

Conference on Grey Literature and Repositories

https://nusl.techlib.cz/en/conference

**Informative Webpages** 

https://nusl.techlib.cz/en/





www.nusl.cz



Ariatin, Adrian 20 Car

Adrian Ariatin is currently attending his doctoral education at the School of Business and Management - Bandung Institute of Technology (SBM ITB) with his research in the field of social entrepreneurship in the context of Islamic boarding schools. He obtained his Bachelor of Arts degree from the Faculty of Art and Design ITB and his Master of Business and Administration from SBM ITB. He also works as a business practitioner, has a business in the field of stamp and printing Big Stamp brand, T-shirt company called Kaos Gurita and music entertainment named Adrian Music Entertainment.

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### Bales, Brian Paul

9. 24

Brian Paul Bales is Coordinator (Unit Head) of the International Nuclear Information System (INIS) at the International Atomic Energy Agency (IAEA) in Vienna, Austria. INIS is an open access repository for nuclear science and technology literature that has existed for more than 50 years and has over 132 member states and organizations. Brian's special areas of interest include digital preservation, information management, and artificial intelligence to foster knowledge sharing, innovation and progress. Previously, he worked for the archives and records section of the UN's International Residual Mechanism for Criminal Tribunals (IRMCT) in Arusha, Tanzania, as well as an earlier 7-year assignment with the IAEA. He holds a Master's Degree in Information Technology from the University of Denver.

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### Biagioni, Stefania

13, 19

Stefania Biagioni graduated in Italian Language and Literature and specialized in Data Processing and DBMS at the University of Pisa. She is currently an associate member of the research staff at the Institute of Information Science and Technologies "Alessandro Faedo" (ISTI), an institute of the Italian National Research Council (CNR) located in Pisa. She is currently involved in the activities of the ISTI Infrastructures for Science Laboratory (InfraScience). She has been Head Librarian till August 2017. She was responsible of National and International Projects on Digital Libraries and Open Access Repositories looking at the DRIVER/OpenAIRE vision, such as ERCIM Technical Reference Digital Library (ETRDL) and PUMA (PUblication MAnagement) & MetaPub Projects. She has coauthored a number of publications dealing with digital libraries and grey literature. Her research interest is focused on digital libraries, knowledge sharing and transfer in scientific area, scholarly communication infrastructures, data and documents management, Open Access and Open Science. She has been dealing with grey literature since the 90's. In 2013, she became involved in the GreyGuide Project, where she now serves as its Repository and Web Portal Manager. In 2018 together with GreyNet International, DOIs were minted and entered in the metadata fields of GreyGuide records. Stefania's involvement with persistent identifiers carried over to the AccessGrey Project in 2019. She is currently involved in the PID Project that includes the ORCiD and ROR ID together with DOI persistent identifiers in metadata records housed in the GreyGuide Repository.

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Carlesi, Carlo 13, 19

Carlo Carlesi graduated in Computer Science and has worked since 1970 at the IEI (now ISTI) of the Italian National Research Council in Pisa. His interest has been concentrated in many software engineering fields such as: Data Base Systems, Software quality and testing, Administration and UNIX system management, Network security and management, Data Publication, Open Science, Digital Library [Management] Systems and Architectures. He was Head of the "Information Technology Security Service" of the Institute and has participated in many national and international projects, among the most recent: Italian Project for Research in the Antarctica -South Pole Project with the aim to create a Multidisciplinary Integrated Information System. Other of the projects in which he participated include: ERCIM Technical Reference Digital Library - ETRDL Project; PUMA (PUblication MAnagement) a software infrastructure for the management of the institutional/disciplinary archives of the published and grey literature of the CNR Institutes. He is currently a collaborator of the Infrastructures for Science Laboratory (InfraScience) of the CNR ISTI and is involved in the GreyGuide Repository and Portal to Good Practices and Resources in Grey Literature. He has coauthored a number of publications dealing with digital libraries and grey literature. In 2013, he became involved in the GreyGuide Project, where he now provides for the Technical Development and Support. In 2018 together with GreyNet International, DOIs were minted and entered in the metadata fields of GreyGuide records. Carlo's involvement with persistent identifiers carried over to the AccessGrey Project in 2019. He is currently involved in the PID Project that includes the ORCiD and ROR ID together with DOI persistent identifiers in metadata records housed in the GreyGuide Repository.

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### De Biagi, Luisa

22

Luisa De Biagi got her Laurea Degree in Literature and Philosophy at 'La Sapienza' Univ. of Rome (Specialization Art history and Cultural heritage). With a Specialization in 'Archivist-Palaeographer' (Vatican School of Palaeography, Diplomatics and Archivistics at the Vatican Secret Archive) as well as a Specialization Degree in Archivistics, Palaeography and Diplomatics (Archivio di Stato, Rome) and a Degree from the Vatican School of Library Sciences. De Biagi further holds a Master in 'Business Publishing' (LUISS Management - Rome). She's been working for the SIGLE Network (System for Information on Grey Literature in Europe) since 2002, Since 2010 she's is responsible for the Italian National Referring Centre of Grey Literature at CNR Central Library 'G. Marconi' as representative of the European Network and Openarchive OpenGrey (System for Information on Grey Literature in Europe). She's taken part in several editions of the Annual International Congress on Grey Literature (GL 5, GL 13, GL 14, GL 15, GL16, GL 17, GL18, GL 19, all organized by TextRelease in collaboration with leading organizations worldwide). CNR Central Library has been host of the meeting in 2012 and 2017. In this occasion De Biagi has taken part of the organizing-technical Committee of GL 14 and GL 19. She's also a member of the CNR Working Group for Cedefop-Refernet Project (Consortium for Professional Education and Training coordinated by ISFOL), the Committee for Legal Deposit Acquisition at CNR Central Library, and a member of the European Association of Health



Information and Libraries (EAHIL). De Biagi is responsible for the Library Functional Units 'Education and Training' and 'Cultural Activities Management', organizing didactic laboratories, professional training courses and meetings on scientific dissemination (from social/soft sciences/ digital humanities to hard sciences). She has also teached in professional training for librarians, students and users. From 2015 De Biagi is a member of the CNR web portal editorial staff, https://www.cnr.it, and collaborates with CNR Press Office in important initiatives on scientific communication. ROR\_ID https://ror.org/04zaypm56 Email: luisa.debiagi@cnr.it

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19



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### Index to Authors

A- $B$		M- $N$	
Abaday-Maglangit, Ethelyn	12	MacDonald, Bertrum H.	16
Ariatin, Adrian	20	Manuel, Patricia	16
Bales, Brian Paul	9, 24	Molino, Anna	27
Biagioni, Stefania	13, 19	Nguyen, Viet Phuong	24
C-D		<i>O-P</i>	
Carlesi, Carlo	13,19	Oliveros, Mary Grace	12
De Asis, Ariette	12	Paredes, Rolelyn B.	12
De Biagi, Luisa	22	Potočnik, Veronika	19
Dhewanto, Wawan	20	Prost, Hélène	17, 20
E E		D C	
<b>E-F</b>	40	R-S	27
Estante-Superio, Erish	12	Reece, Alistair	27
Estoque, Eileen	12	Rucks, Nicolas	25
Farace, Dominic	13, 19, 21	Rustiadi, Sonny	20
Floro, Martin	12	Savić, Dobrica	28
CII		Schöpfel, Joachim	17, 20
<b>G-H</b>	44	Steenhoven, Prof.dr. Gerard van	
Gelfand, Julia	11	Sudrajad, Oktofa Yudha	20
Geromiano, Joy	12	Suganob, Edna T.	12
Giannini, Silvia	27	Superio, Daryl L.	11, 12
Green, Toby	11	Superio, Rizzamila R.	12
Henderson, Kathrine A. Hyun, Miwhan	15 21	T- $W$	
,,		Trtnik, Mojca	19
K-L		Tykhonov, Vyacheslav (Slava)	9
Kalentsits, Maria	11	Vicary, Tamsin	11
Kim, Jayhoon	20, 21	Wasesa, Meditya	20
Lathrop, Stacy	21	, ,	
Lee, Hyejin	21		
Lee, Joyce	15		
Lim, Seokjong	20		
Lipinski, Tomas A.	15		
Lombardi, Stefania	27		
Long, Ariah	21		
<del>-</del> -			

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