Plan Overview

A Data Management Plan created using DMPTool

DMP ID: https://doi.org/10.48321/D16S7D

Title: DMSP for "RCN: Trans-Disciplinary Communication to Disseminate, Divulge, and Discuss (TDC3D) Network."

Creator: Cristo Yanez leon - **ORCID:** 0000-0002-0930-0179

Affiliation: New Jersey Institute of Technology

Principal Investigator: James Lipuma, Bruce Bukiet, Jasmin Cowin, Birgit Oberer

Data Manager: John Wolf

Project Administrator: Cristo Leon

Contributor: Marcos Cabobianco, Pedro Ferdkin, Quinn I Morris-Pearson, Jeremy P. Reich, Yi Meng , Agustina Cabrera, Martín Van Houtte, Edgar Meritano, Nagib Callaos

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Template: NSF-SBE: Social, Behavioral, Economic Sciences

Project abstract:

This data management plan outlines the strategies for collecting and managing data for the "Trans-Disciplinary Communication to Disseminate, Divulge, and Discuss (TDC3D)" project. The data collection will include peer-reviewed open-access articles, creative commons digital resources, Systematic Literature Reviews (SLR) reports, researcher communications, protocols, and templates. The collected documents will be used for academic discussions, educational dissemination, and academic divulgation. The data will be collected electronically using various tools such as Microsoft Word, PDF Adobe, Microsoft Excel, ChatGPT, and Zotero. The data will be stored in a hierarchical folder and file structure on Google Drive, with proper metadata labeling. Quality assurance processes will be implemented to ensure data accuracy and validity. The project aims to develop articles for academic journals and divulgation materials to facilitate discussions on Trans-Disciplinary Communication.

Start date: 06-01-2023

End date: 05-31-2026

Last modified: 02-06-2024

Copyright information:

DMSP for "RCN: Trans-Disciplinary Communication to Disseminate, Divulge, and Discuss (TDC3D) Network."

The Data Management Plan (DMP) for the project "Trans-Disciplinary Communication to Disseminate, Divulge, and Discuss (TDC3D)" aims to facilitate collaboration among a Trans-Disciplinary, international group of collaborators to create articles on Trans-Disciplinary Communication. The DMP outlines the roles and responsibilities of different collaborators in the data management process.

- The project administrator will coordinate the curation of the data, serving as a central point of contact and ensuring the smooth flow of information among collaborators.
- The principal investigators will oversee the allocation of resources, coordinate activities, conduct research, and perform evaluation and assessment tasks.
- The data managers will be responsible for cleaning and organizing the data and assisting in its codification. In addition, they will ensure that the data is properly structured and formatted for analysis and further use.

If a collaborator changes institutions, appropriate steps will be taken to transfer their access and responsibilities to the new institution. Depending on the specific circumstances, this may involve transitioning from a principal investigator (PI) role to a co-PI or key person role.

It is important to note that no costs are associated with the DMP, indicating that the project will leverage open access and creative commons resources without incurring additional expenses.

Dr. Cristo Leon will implement the DMP, management activities, and responsibilities.

All participants will be responsible for following the DMP guidelines and managing their activities inside the repository.

If organizations require a consortium agreement or contract to be signed, we will consider it individually.

Overall, the DMP outlines the collaborative nature of the project, the specific roles of different collaborators, and the measures to accommodate changes in institutional affiliations while ensuring effective data management practices.

The data collected for the project will include the following:

- Peer-reviewed open-access articles: The project will produce scholarly articles retained in digital format.
- Creative Commons digital resources: Various digital resources, such as videos, video recordings, images, infographics, posters, presentations, etc., will be used or created during the project and retained.
- Systematic Literature Reviews (SLR) reports: The project may involve conducting SLRs; the reports generated from these reviews will be retained as part of the project's data.
- Readme files: These files will provide information and citations for the project's open-source or Creative Commons materials.
- Transcripts of researcher communications and discussions: Communications and discussions among the researchers, including emails, video chats, etc., will be retained as transcripts.
- Protocols and templates: The project will generate protocols and templates as part of the research methodology, which will be retained.

The data collected will inform the theoretical framework and academic discussions within the Trans-Disciplinary research group, aiming to create new knowledge. The documents will be collected in informal and formal formats for educational dissemination purposes, including peer-reviewed articles, books, group discussions, conferences, and presentations. The volume of data collected will depend on the number of research articles and participating researchers. At the initiation stage, six researchers are involved in creating three papers.

The data will be collected through email communication and uploaded to a Google Drive provided by the project coordinator. Any copyrighted material added to the drive will require a Creative Commons license from the collaborative researchers. Open-source and Creative Commons materials will be properly cited in the readme files. The data will also be organized in a Zotero database, with metadata and data stored in folders, readme files, and bibliographic reports. The methodology for identifying and writing outcomes and the supporting materials will be documented, ensuring proper article credit and citations.

Microsoft Word, Adobe PDF, Microsoft Excel, ChatGPT, and Zotero will be used to collect data electronically. Google Drive will serve as the storage platform for the project's documents, allowing interested stakeholders long-term access and sharing capabilities. Additionally, existing data, such as Excel files or infographics created by the group, can be reused. All data will be shared under a Creative Commons license through the Bepress Digital Commons platform.

During the annual public report group meeting, an MP4 video recording, a computer-generated transcript (.TXT), and a metatext file for the chatbox entries (.TXT) will be created and uploaded to Google Drive. The project aims to develop articles disseminated via academic journals and divulgation materials to foster discussions around Trans-Disciplinary Communication.

Documentation and Metadata:

The accompanying documentation and metadata for the data will include:

- Description of the data: Detailed information about the data, including its representation, collection method, and relevant contextual details.
- Data format: Information about the file format and software used for creating and viewing the data.
- File naming convention: Consistent and descriptive file naming conventions to aid in identifying and locating specific files.
- Data structure: Information about the structure of the data, including data dictionaries or codebooks used.
- Variable descriptions: Detailed descriptions of the variables included in the data.
- Methodology: Information about the methods used for data collection and analysis.
- Quality assurance processes: Information about the processes to ensure data accuracy and validity.
- Ethics and privacy considerations: Information about any ethical or privacy considerations associated with the data.

To capture this documentation and metadata, various methods will be utilized:

- Digital Asset Network (DAN): A network will be created to share media files.
- Data Management Plan (DMP): A DMP will be developed to outline data collection, management, and sharing processes.
- Codebook: A codebook will be created to describe variables and their values in the data.
- README files: Brief descriptions of file contents will be provided in README files.
- Metadata tags: Metadata tags will be included in videos and documents to capture relevant information.

The choice of metadata standards will depend on the data collection type, with standards such as Dublin Core, ISO15836-1:2017, Data Documentation Initiative (DDI), and Metadata Encoding and Transmission Standard (METS) being used appropriately. The selected standards will ensure interoperability and easy discoverability of the metadata by other researchers. Zotero software will assist in collecting, organizing, annotating, citing, and sharing the research.

The data will be stored using NJIT's digital services, specifically through Google Education, which provides infinite storage capacity. Minimal data will be generated, and duplicate copies will be stored offline on an external hard drive for added safety. Responsibility for data backup and recovery will be shared among the research team. Each team member will

regularly back up their data and store it securely. Automated and manual backup processes will ensure data security and accessibility in case of any incidents.

Access to the data will be managed through permissions and access controls. Only authorized personnel, including the project team and approved collaborators, will have access. Collaborators must sign a data-sharing agreement outlining their data management and security responsibilities. Admission will be reviewed annually to add or remove members as needed.

Rubrics, codebooks, and notebooks containing raw or hand-recorded data will be considered of long-term value and will be retained. In addition, notebooks will be scanned annually and electronically archived on the university server for additional backup protection. The data retention and preservation period will depend on contractual, legal, and regulatory requirements. Consultation with legal and regulatory experts is essential to determine appropriate retention periods. Data that hold value beyond the current project, such as for future research, replication studies, or meta-analyses, should be retained. Expenses associated with storing and preserving the data should be considered, and a plan for long-term preservation, including storage formats, metadata, and access controls, should be developed.

The long-term preservation plan involves permanently maintaining all raw and analyzed data, reports, books, and publications for at least three years from the end of the NSF award period or public release date. Reputable and secure data repositories or archives should be selected for storing the data, considering accessibility and compatibility with future technologies. Data deposition, curation, and long-term storage costs should be evaluated and budgeted accordingly.

Preparing the data for sharing and preservation requires cleaning, documenting, and formatting it according to standard guidelines, along with including relevant metadata. Sufficient resources and time should be allocated for this process to ensure proper preservation and accessibility of the data.

4.1.1 What data will you collect or create?

The data collected for this project include peer-review open-access articles and creative commons digital resources (video, video recordings, images, infographics, posters, presentations, etc.) used by the researchers and or found in the Systematic Literature Reviews (SLR) reports, readme files, and transcripts of researchers communications and discussions (emails, video chats, etc.) as well as the protocols and templates generated during the project. The data will inform the theoretical framework and academic discussion amongst a Trans-Disciplinary research group to create new knowledge. The documents will be collected in informal and formal formats for various educational dissemination uses (e.i. peer-review articles, books, etc.) and for academic divulgation, such as group discussions and video recordings (e.i. conferences, presentations, etc.). The volume of data collected will depend on the number of research articles and participating researchers. Six researchers are involved in creating three papers at the time of initiation.

The documents will be collected through email or uploaded to a Google Drive provided by the coordinator of the "Trans-Disciplinary Communication to Disseminate, Divulge, and Discouss (TDC3D)" group, a Creative Commons license will have to be given by any of the collaborative researchers before any copyrighted material can be added to the drive. All additional open-source or Creative Commons materials will be properly cited on the readme files. The Documents will be added to a Zotero database, and all the meta-data and data will be stored in the folders with a read-me text and the bibliographic reports. The methodology developed to identify and write outcomes and the supporting materials will also be documented, ensuring proper credit is given to the participants and citations to articles provided.

Data will be collected electronically using Microsoft Word, PDF Adobe, Microsoft Excel, ChatGPT, and Zotero. The documents used in the project will be stored in Google Drive, allowing interested stakeholders to access and share the data in the long term. Additionally, we can reuse any existing data, such as Excel files or infographics created by the group. Everything will be shared as a Creative Commons file under the Bepress Digital Commons platform.

During the annual public report group meeting, an MP4 video recording, a computer-generated transcript (.TXT), and a metatext file for the chatbox entries (.TXT) will be created and uploaded to Google Drive. The project aims to develop articles disseminated via academic journals and divulgation materials to increase the discussions around Trans-Disciplinary Communication.

4.1.2 How will the data be collected or created?

The project will create a small amount of data in documents (MS WORD). In addition, annual group WebEx videos as MP4s will also be made, and (.TXT) transcripts will be generated.

Eventually, a Zotero collection will be produced to gather documents and accompanying contextual items like keywords and attachments. That database, infographics, images, articles, and the subsequent spreadsheets will be data generated by the project.

Folder and file structure: To ensure efficient and effective data management, a hierarchical structure containing the following will be used:

- The main folder for the project
- 01 Codebook and DMP
    - 01.1 Collaborators' information (Bioksetch, CV, relevant certifications, etc.)
- 02 Data collected (e.g., Articles, video recordings, text transcripts, media files)
    - 02.1 Sources for the article
        - 02.1.1 Sub-folders for sources for the SLR
        - 02.1.2 Original Expert Resources
        - 02.1.3 Final Bibliography
    - 02.2 Focus Group: Video Recordings and Text Transcripts
    - 02.3 Media
        - Sub-folders for any additional contextual information (e.g., images, ppt)
        - 02.2.1 WebEx Videos
        - 02.2.2 Emails
    - 02.4 AI Prompts
    - 02.5 Excel SLR
- 03 Protocol documents
    - 03.1 Methods and models
    - 03.2 IRB Documents
- 04 Versions
    - 04.1 Abstract
        - 04.1.1 Submission information and requirements
            - Sub-folders for requirements
            - Communications
            - Guidelines and Format Templates
    - 04.2 Presentation

- 04.2.1 Submission information and requirements
  - Sub-folders for requirements
  - Communications
  - Guidelines and Format Templates
- 04.2.2 Presentation Versions
- 04.2.3 Proofing and Final Publication
  - Presentation
  - Videos
  - Certificates
- 04.3 Conference Paper
  - 04.3.1 Submission information and requirements
    - Sub-folders for requirements
    - Communications
    - Guidelines and Format Templates
  - 04.3.2 Conference Paper Versions
  - 04.3.3 Proofing and Final Publication
    - Presentation
    - Videos
    - Certificates
- 04.4 Article Peer Review
  - 04.4.1 Submission information and requirements
    - Sub-folders for requirements
    - Communications
    - Guidelines and Format Templates
  - 04.4.2 Article Versions
  - 04.4.3 Proofing and Final Publication
    - Presentation
    - Videos
    - Certificates
  - 04.4.4 Additional Article Media
- 04.5 Book
  - 04.5.1 Submission information editorial and requirements
  - 04.5.2 Book Versions
  - 04.5.3 Proofing and Final Publication
    - Presentation
    - Videos
    - ISBN
  - 04.5.4 Additional Book Media
- 04.6 News and Additional Media
  - Press Release
  - Blogs post
  - LinkedIn Post
  - NSF Includes Calendar
  - Digital Commons

- 05. Contextual materials
  - 05.1 Glossary
  - 05.2 Reports

Naming convention:

The folders will be named with clear and descriptive titles and labeled with metadata to indicate important information, such as:

Date (YY-MM-DD)_Channel_Title

The files will be named with clear and descriptive titles and labeled with metadata to indicate important information, such as

Date (YY-MM-DD)_Channel_Title_Item name (if needed)_versioning.

Versioning: Version control is an essential aspect of data management to keep track of changes made to files over time.

- One approach is to adopt a naming convention that includes version numbers or dates in the file name.

4.1.3 Quality assurance processes: To ensure the accuracy and validity of the data, quality assurance processes may include checking for completeness and accuracy of the data during collection, performing data cleaning and validation, and conducting quality checks before analysis.

Guidelines for the quality check will be:

- Accessibility
- Correctness
- Validity check
- Correction notification
- Segregated
- Merging of repeated files

4.2. Documentation and Metadata
4.2.1 What documentation and metadata will accompany the data?

The videos will be created with standard metadata tags. The documents submitted by participants will be an uncontrolled sample. After data reduction and aggregation, the documents

will be labeled and tagged with the study protocol information, date, time, and Zotero standard data.

- Description of the data: A detailed description, including what it represents, how it was collected, and any relevant contextual information.
- Data format: Information on the file format, including the software used to create and view the data.
- File naming convention: A consistent naming convention will help users identify and locate specific files.
- Data structure: Information on the data structure, including any data dictionaries or codebooks used.
- Variable descriptions: Detailed descriptions of the variables included in the data.
- Methodology: Information on the methods used to collect and analyze the data.
- Quality assurance processes: Information on the quality assurance processes used to ensure the accuracy and validity of the data.
- Ethics and privacy: Information on any ethical or privacy considerations related to the data.

To capture this documentation and metadata, a variety of methods will be used, including:

- Create a Digital Asset Network (DAN) to share media files.
- Creating a Data Management Plan (DMP) that outlines the data collection, management, and sharing processes.
- Developing a Codebook that describes the variables and their values in the data.
- Creating a README file that provides a brief description of the contents of each file.
- Including metadata tags in the videos and documents to capture relevant information.

The metadata standards will depend on the data collection type and the relevant metadata standards. Various standards, such as the Dublin Core, ISO15836-1:2017, Data Documentation Initiative (DDI), and Metadata Encoding and Transmission Standard (METS), will be used for appropriate research data. The chosen standards will ensure that the metadata is interoperable and easily discoverable by other researchers. We will use Zotero software to assist us in collecting, organizing, annotating, citing, and sharing our research.

4.3. Ethics and Legal Compliance
4.3.1 How will you manage any ethical issues?

To ensure that our study adheres to the ethical guidelines of the New Jersey Institute of Technology, the College of Science and Liberal Arts, and the State of New Jersey, if necessary additional ethical guidelines for collaborators will be added to the share folders we will take the following steps:

- Informed consent (if necessary for IRB): Before collecting any data, we will obtain informed consent from participants to ensure they understand the study's nature, purpose, and rights concerning their participation. Participants will be informed of the potential risks and benefits of the analysis, the data collection and storage methods, and any possible data sharing. They will also be informed of their right to withdraw from the study at any time.
- Protecting participant identity (if necessary for IRB): We will safeguard participant identity by anonymizing their data. Any identifiable information, such as names, email addresses, or student identification numbers, will be removed from the data before analysis. In cases where participants cannot be fully anonymized, such as in video recordings, we will obtain their consent for using and storing the recordings. All authors are required to share their academic information like position, email, etc. We will only share this information if it is contained in the scholarly articles created and disseminated via a Creative Commons license.
- Secure data storage and transfer: We will ensure secure data storage and transfer to prevent unauthorized access or disclosure. We will store the data using Google Drive, an encrypted platform with appropriate access controls. Access to the data will be restricted to authorized personnel, and we will use passwords and/or encryption to protect the data during transfer.
- Compliance with relevant regulations: Our project will comply with all applicable laws and regulations, such as the General Data Protection Regulation (GDPR) or the Health Insurance Portability and Accountability Act (HIPAA), depending on the data collection type. We will ensure we obtain necessary approvals, such as Institutional Review Board (IRB) approval, before commencing data collection. Any additional regulations or procedures for all collaborators will be added to the shared folders if necessary.

4.3.2 How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?

The participants in this study will hold the IP and Copyright on their academic papers. No other IP or copyrighted material will be generated within the study.

- The relevant individual employer's guidelines for IP ownership will be applied to each collaborator to be licensed for reuse under the Creative Commons (CC) license. This license will allow interested stakeholders to access and use the data generated in the study for non-commercial purposes.
- For any third-party data used in this study, copies of open-access materials or full citations with working hyperlinks will be included. The researchers will ensure that any restrictions on data reuse are respected according to the licenses, or permission will be sought if needed.
- In this study, we will not delay or limit data sharing. Nonetheless, any publication or patent-seeking activities will only occur after the data has been thoroughly analyzed and interpreted. This approach will guarantee that the conclusions drawn from the data are precise and dependable before they are disseminated to the public.

The DMP will utilize physical and cyber resources to preserve and store research data effectively. Here are the critical aspects of the plan:

Physical storage: Project personnel will maintain notebooks for raw or hand-recorded data in their respective offices. These notebooks and included data will be supported by specific personnel and stored securely. Additionally, department staff will electronically scan the notebooks annually for electronic archiving on the university server, providing an additional layer of backup protection.

Data retention assessment: The DMP recognizes the importance of identifying data that must be retained or destroyed for contractual, legal, or regulatory purposes. Consulting with legal and regulatory experts is essential to determine the appropriate retention period for different data types, considering the specific project requirements and applicable regulations.

Value assessment: The DMP acknowledges the need to assess the value of data beyond the current project. Data with potential uses in future research, follow-up studies, replication studies, or meta-analyses should be considered for long-term retention. In addition, the worth of data to the project and other researchers or institutions should be evaluated to inform decisions about managing and sharing the data.

Long-term preservation plan: The DMP outlines a plan for long-term preservation, aiming to maintain all raw data, analyzed data, reports, books, and publications. The data will be preserved permanently, adhering to the minimum retention period of three years from the end of any NSF award period or three years from the date of public release, as NSF policies require.

Selection of data repositories or archives: The DMP emphasizes the importance of selecting reputable and secure data repositories or archives capable of preserving the data for the required duration. The chosen repository or archive should also be accessible and compatible with future technologies. Consideration of associated costs, such as data deposition, curation, or long-term storage fees, will be factored into the decision-making process.

Preparation for sharing and preservation: The DMP recognizes the need for proper data preparation to facilitate sharing and protection. This involves data cleaning, documentation, formatting to conform to standard guidelines, and including relevant metadata. In addition, adequate allocation of resources and time will be ensured to ensure the data is properly preserved and accessible to those who need it.

By addressing these aspects, the DMP outlines the physical and cyber resources and facilities used for data storage and preservation and the strategies for long-term retention and accessibility of the research data.

The project group and external educational and research community can access the data. To facilitate internal dissemination, project personnel will be encouraged to share data openly and store data needed by multiple stakeholders in appropriate folders. Shared data needs will be identified at project team meetings and through peer-to-peer interactions. Significant results will be disseminated externally through peer-reviewed journals, national and international conferences, and depositing data onto globally accessible databases where appropriate. Regular reports to NSF or sponsors may also be required. All data, supporting information, and messages from the project funded by NSF will be made available to requesters within one month, subject to NJIT intellectual property requirements and NSF policies. A persistent identifier will be pursued to make data citation and retrieval easier (e.i. DOI). There is no mention of a separate plan for sharing the data.

Additional questions to consider:

How will potential users find out about your data?

- Collaborators identified in the code book and the DMP will have access to all the data.
- Potential additional users will be informed about data availability through peer-reviewed publications, conference presentations, and regular reports. In addition, any individual soliciting access will be reviewed and added to the collaborators if appropriate.

With whom will you share the data, and under what conditions?

- Data will be shared with external educational and research communities and project team members. Sharing will be subject to any restrictions imposed by NJIT intellectual property requirements and NSF policies. If necessary, we will add any additional conditions imposed by collaborators will also be followed.

Will you transfer data via a repository, handle requests directly or use another mechanism?

- Data will be transferred via globally accessible databases, direct requests, or another suitable mechanism.

When will you make the data available?

- Data will be available within one month of the request, subject to applicable restrictions.

Will you pursue getting a persistent identifier for your data?

- A persistent identifier will be pursued to facilitate data citation and retrieval. (e.g., DOI, ISBN, etc.)

Do you have any plan for divulgation separate from dissemination?

- A separate plan for divulgation will be created after the first year of the project to lunch the Trans-Disciplinary Communication annual convening to be held virtually via Digital Commons at NJIT
- Conference videos will be shared with event participants.

Planned Research Outputs

Text - "[003] Trans-Disciplinary Communication and Persuasion in Convergence Research Approach [Conference paper] "

Title: "Trans-Disciplinary Communication and Persuasion in Convergence Research Approach"

The paper explores persuasion in research, emphasizes the Trans-Disciplinary approach, studies communication types, & suggests future TD research.

It will be presented in WMSCI 2023

Date: 09-12-2023 12:00 to 12:30 pm

Meeting ID: 784 5627 2376

Passcode 0912

Via Zoom: https://us04web.zoom.us/j/78456272376?pwd=fNOuiXO6FddVSkr0v22yaMhkza1UBR.1

APA:

León, C., Lipuma, J., & Cabobianco, M. O. (2023). Trans-Disciplinary Communication and Persuasion in Convergence Research Approach. En N. Callaos, E. Gaile-Sarkane, S. Hashimoto, N. Lace, B. Sánchez, & M. Savoie (Eds.), International Institute of Informatics and Systemics 2023 Summer Conferences Proceedings (CLDM_Ds; pp. 312-319). International Institute of Informatics and Cybernetics; /Research/Collaboration & Convergence. https://doi.org/10.54808/WMSCI2023.01.312

Text - "[005] Trans-Disciplinary Communication in the ChatGPT Age [Conference paper]"

Title: "Trans-Disciplinary Communication in the ChatGPT Age: A systems perspective"

Short abstract: Trans-disciplinarity in the metaverse is pivotal yet elusive; research is needed to define its application and connection to systems thinking.
Publisher: It will be presented at WMSCI2023

Date: 09/12/2023

Additional links: none

APA Citation:

Cowin, J., Oberer, B., & León, C. (2023). Trans-Disciplinary Communication in the ChatGPT Age: A Systems Perspective. En N. Callaos, J. Horne, B. Sánchez, & M. Savoie (Eds.), Proceedings of the 17th International Multi-Conference on Society, Cybernetics and Informatics: IMSCI 2023 (CLDM_Ds; pp. 138-144). International Institute of Informatics and Cybernetics; /Research/Collaboration & Convergence. https://doi.org/10.54808/IMSCI2023.01.138

Text - "[004] Disclosure of Support Statement: Increasing Student Transparency About Support from Software Like ChatGPT [Conference paper]"

The article introduces a Disclosure of Support Statement (DSS) tool to foster transparency and student engagement in writing by reflecting on human and software supports, exploring ethical implications, and enhancing critical thinking, integrity, and writing skills through a pilot study.

It will be presented in IMSCI 2023

Date: 09-12-2023 03:00 to 03:30 pm

Meeting id: 798 2519 0342
Passcode: 0912

Via Zoom: https://us04web.zoom.us/j/79825190342?pwd=VvwMJwQp52wO1oEYuHws22hb42n5Zz.1

APA Citation:

Lipuma, J., & León, C. (2023). Disclosure of Support Statement: Increasing Student Transparency About Support from Software Like ChatGPT (Conference). En N. Callaos, J. Horne, B. Sánchez, & M. Savoie (Eds.), Proceedings of the 17th International Multi-Conference on Society, Cybernetics and Informatics: IMSCI 2023 (CLDM_Ds; pp. 51-55). International Institute of Informatics and Cybernetics; /Research/Education. https://doi.org/10.54808/IMSCI2023.01.51

Text - "[002] Data Management Sharing Plan: Fostering Effective Trans-Disciplinary Communication in Collaborative Research [Keynote]"

DMSPs ensure effective research data handling and preservation; this paper explores federal guidelines, formats, roles, and standards involved.

A key note to be presented at WMSCI 2023

Meeting id: 943 2061 6861
Passcode: 0912

Via Zoom: https://njit-edu.zoom.us/j/94320616861?pwd=N0pkbnZGQjNaS2N4aVgzUUxvSmJyUT09

NSF INCLUDES a calendar link

APA Citation:

Leon, C., & Lipuma, J. (2023, September 12). Data Management Sharing Plan: Fostering Effective Trans-Disciplinary Communication in Collaborative Research [Keynote] [Keynote]. Proceedings of the 27th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2023, Online. https://www.iiis2023.org/wmsci/website/keynotespeakers.asp?vc=1

Text - "[014] The (Algorithmic) Cage [Presentation]"

Title: "The (Algorithmic) Cage"

Short abstract: The paper explores the new generation of communication technologies, AI's impact on employment, the digitization of language, and the challenges of the digital divide. It emphasizes the need for interdisciplinary efforts to navigate evolving trends.

Publisher: This will be presented at European Cultures in Business and Corporate Communication (EUCO) 2023.

Date: 10-19-2023

Additional links: none

APA Citation:

Cowin, J., Leon, C., & Oberer, B. (2023, October 19). The (Algorithmic) Cage [Presentation] [Power Point]. European Cultures in Business and Corporate Communication (EUCO) 2023, Lucerne. https://www.linkedin.com/pulse/euko-2023-mandy-hommel-zkque/

Text - "[007] Exploring Student Self-Assessment in General Education [eBook]"

Title: "Exploring Student Self-Assessment in General Education: A Pilot Study Using Surveying Tools"

Short abstract: The study links MSCHE accreditation with institutional effectiveness in GER, examining student self-awareness and assessment tools using a Likert scale survey. The Spring 2023 pilot confirmed the feasibility and promoted educational connections, intertwining GER coursework with student capabilities.

Publisher: An article to be presented in Academia Journals Tlahuac Mexico September 2023

Date: 09/12/2023

Additional links: YouTube presentation (Español)

APA Citation:

León, C. (Director). (2023, September 11). Explorando la Autoevaluación de Estudiantes en Educación General [Video presentacion TLA040] (CLDM_Dv) [YouTube]. /Research/Education. https://www.youtube.com/watch?v=uFoX7tBzXvA

Yáñez León, C. E., Lipuma, J., Meng, Y., & Reich, J. (2023a). Exploring Student Self-Assessment in General Education: A Pilot Study Using Surveying Tools [Conference article]. Congreso Internacional de Investigación Academia Journals Tláhuac 2023, 15(7), 125–132. /Research/Education.

Yáñez León, C. E., Lipuma, J., Meng, Y., & Reich, J. (2023b). Exploring Student Self-Assessment in General Education: A Pilot Study Using Surveying Tools [eBook]. In Las Ciencias de la Educación y los Adelantos en Tecnología, Desarrollo e Industria 4.0—Tláhuac 2023 [eBook] (CLDM_Ds; 1st ed., Vol. 15, pp. 125–132). Academia Journals; /Research/Education. https://static1.squarespace.com/static/55564587e4b0d1d3fb1eda6b/t/6513000b9e6bd55442c339f7/1695744018615/Las+Ciencias+de+la+Educación+y+los+Adelantos+en+Tecnología%2C+Tláhuac+2023+-+Academia+Journals.pdf

Event - "[006] A Brave New World: AI as a Nascent Regime? [JSCI] "

Title: "A Brave New World: AI as a Nascent Regime?"

Huxley's 'Brave New World' mirrors today's AI tech; the article warns of losing humanity through uniformity, urging ethical, trans-disciplinary care.
A key note to be presented at WMSCI2023

Date: 09/12/2023 8:40 AM to 9:15 AM

Meeting id: 765 611 3536
Passcode: none

Via Zoom: https://zoom.us/j/7656113536

APA Citation:

Cowin, J., Oberer, B., & León, C. (2023, September 12). A Brave New World: AI as a Nascent Regime [Keynote]. Proceedings of the 27th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2023, Online. https://www.iiis2023.org/wmsci/website/keynotespeakers.asp?vc=1

Cowin, J., Oberer, B., & León, C. (2023). A Brave New World: AI as a Nascent Regime? [JSCI]. Journal of Systemics, Cybernetics and Informatics, 21(4), 58–66. /Research/Collaboration & Convergence. https://doi.org/10.54808/JSCI.21.04.58

Text - "[008] Using Trans-Disciplinary Communication in the Design of General Education Program Assessment [Conference paper] "

Title: "Using Trans-Disciplinary Communication in the Design of General Education Program Assessment: A case study"

Short abstract: This paper on NJIT's GER program assessment details TDC's role in design, implementation, collaboration, and challenges and offers co-design tips, which will be presented at the WMSCI 2023

Publisher: It will be presented at the WMSCI EISTA CISCI 2023

Date: Sep 14, 2023 10:00 AM Eastern Time (US and Canada)

Meeting ID: 918 9633 2278

Passcode: 345769

Via Zoom: https://njit-edu.zoom.us/j/91896332278?pwd=V21GWkVBM0oxcFlBMVZqZkUvNnNvQT09

APA Citation:

Reich, J. P., Lipuma, J., & León, C. (2023). Using Trans-Disciplinary Communication in the Design of General Education Program Assessment: A Case Study [Conference paper]. In E. Gaile-Sarkane, S. Hashimoto, N. Lace, B. Sánchez, M. Savoie, & N. Callaos (Eds.), International Institute of Informatics and Systemics 2023 Summer Conferences Proceedings (CLDM_Ds; pp. 122–128). International Institute of Informatics and Cybernetics; /Research/Collaboration & Convergence. https://doi.org/10.54808/WMSCI2023.01.122

Text - "[009] Desafíos y Oportunidades en la Alfabetización STEM [Artículo en conferencia]"

Título: "Desafíos y Oportunidades en la Alfabetización STEM: Una mirada desde la perspectiva de los jóvenes en América Latina"
Short abstract: La falta de educación en STEM limita la contribución social y laboral juvenil; la pandemia exacerbó el problema. La alfabetización en STEM, enfocada en colaboración e interdisciplina, es vital para una educación equitativa.

Publisher: La cual será presentada por Agustina Cabrera en [CISCI 2023](#)

Date: Sep 14, 2023 03:30 PM Eastern Time (US and Canada)

Meeting ID: 755 2540 5594

Passcode 0914

Via Zoom: https://us04web.zoom.us/j/75525405594?pwd=3bmo0ue37WXb1GEgWeN7Cfb6a11VOX.1

APA Citation:

Cabrera, A., Cabobianco, M. O., & León, C. (2023). Desafíos y Oportunidades en la Alfabetización STEM: Una Mirada desde la Perspectiva de los Jóvenes en América Latina [Artículo en conferencia] (CLDM_Ds). 226–232. /Research/Education. https://doi.org/10.54808/CISCI2023.01.226

Text - "24/05/12 [C] New"

Title: ""

Short abstract: lore ipsum

Publisher: [link]

Date: MM/DD/YYYY

Additional links:

APA Citation:

Text - "[013] Accelerating Higher Education Transformation: Simulation-Based Training and AI Coaching for Educators-in-Training [ICL]"

Title: "Accelerating Higher Education Transformation: Simulation-Based Training and AI Coaching for Educators-in-Training"

Short abstract: AI and simulation-based training empower educators-in-training to navigate 21st-century classrooms, aligning with SDG 4 Quality Education goals.

Publisher: This will be presented at [ICL 2023](#), Springer Nature Switzerland

Date: September 26, 2023

Additional links: None

APA Citation:

Cowin, J., Oberer, B., Lipuma, J., Leon, C., & Erkollar, A. (2023, September 26). Accelerating Higher Education Transformation: Simulation-Based Training and AI Coaching for Educators-in-Training [Presentation] [Conference]. International Conference on Interactive Collaborative Learning (ICL 2023), Madrid, Spain. http://icl-conference.org/icl2023/

Cowin, J., Oberer, B., Lipuma, J., Leon, C., & Erkollar, A. (2024). Accelerating Higher Education Transformation: Simulation-Based Training and AI Coaching for Educators-in-Training [ICL]. In M. E. Auer, U. R. Cukierman, E. Vendrell Vidal, & E. Tovar Caro (Eds.), Towards a Hybrid, Flexible and Socially Engaged Higher Education (CLDM_Dv; Vol. 899, pp. 532–541). Springer Nature Switzerland; /Research/Education. https://doi.org/10.1007/978-3-031-51979-6_55

Text - "[001] Supporting Correctional Educators Through Online Coaching Using a Video Communications Platform [Conference Paper]"

Title: "Supporting Correctional Educators Through Online Coaching Using a Video Communications Platform"

Short abstract: Teaching leads to burnout, but virtual training can help. Challenges are unique in juvenile correctional facilities, where technology offers low-cost, rarely used professional development opportunities; online coaching is beneficial during isolation.

Publisher: This was presented at SITE Interactive.

Date: August 07, 2023

Additional links: None

APA Citation:

Clark, J., Lipuma, J., & Leon, C. (2023, August 7). Supporting Correctional Educators Through Online Coaching Using a Video Communications Platform [Conference presentation]. Proceedings of SITE Interactive Conference. SITE Interactive 2023 Online Conference, Waynesville, NC, USA. /Research/Education. https://academicexperts.org/conf/interactive/2023/papers/62720/

Event - "[010] Leveraging Trans-Disciplinary Communication for Policy Making [Abstract] "

Title: "Leveraging Trans-Disciplinary Communication for Policy Making"

Short abstract: At the 2023 NSF Convening, the author used TDC to foster inclusivity and knowledge sharing, emphasizing dissemination needs.

Publisher: A virtual presentation to be presented at WMSCI AFTC 2023

Date: Sep 15, 2023 03:30 PM Eastern Time (US and Canada)

Additional links:

Meeting id: 985 2148 1295
Passcode: 0915

Via Zoom: https://njit-edu.zoom.us/j/98521481295?pwd=TnNYZkoybkRaMnhSS3l6aldudEp3Zz09

APA Citation:

León, C. (2023a). Leveraging Trans-Disciplinary Communication for Policy Making [Abstract]. Abstracts Proceedings of The Virtual Second Meeting of The International Association

FOR Trans-Disciplinary Communication, 35. /Research/Collaboration & Convergence. https://www.academia.edu/107745793/WMSCI_2023_Abstracts_Prceedings?email_work_card=title

León, C. (2023b, September 15). Leveraging Trans-Disciplinary Communication for Policy Making [Virtual Presentation] [Virtual Presentation via Zoom]. The First Meeting of the International Association FOR Trans-Disciplinary Communications (AFTC), Virtual Conference. https://njit-edu.zoom.us/j/98521481295?pwd=TnNYZkoybkRaMnhSS3l6aldudEp3Zz09

Event - "[011] Trans-Disciplinary Communication in Collaborative Co-Design for Knowledge Sharing [Abstract] "

Title: "Trans-Disciplinary Communication in Collaborative Co-Design for Knowledge Sharing"

Short abstract: TDC in CCD for knowledge sharing focuses on listening, translation, facilitation. Offers real-world examples, vital for academics & policy-makers

Publisher: A virtual presentation to be presented at WMSCI AFTC 2023

Date: Sep 15, 2023 01:30 PM Eastern Time (US and Canada)

Additional links:

Meeting id: 915 2213 8102
Passcode: 0915

Via Zoom: https://njit-edu.zoom.us/j/91522138102?pwd=VmphSzVtNFdrV3NCWEhLK0JIWXE3UT09

APA Citation:

Lipuma, J., & León, C. (2023a). Trans-Disciplinary Communication in Collaborative Co-Design for Knowledge Sharing [Abstract]. Abstracts Proceedings of The Virtual Second Meeting of The International Association FOR Trans-Disciplinary Communication, 35. /Research/Collaboration & Convergence. https://www.academia.edu/107745793/WMSCI_2023_Abstracts_Prceedings?email_work_card=title

Lipuma, J., & León, C. (2023b, September 15). Trans-Disciplinary Communication in Collaborative Co-Design for Knowledge Sharing [Virtual Presentation] [Virtual Presentation via Zoom]. The First Meeting of the International Association FOR Trans-Disciplinary Communications (AFTC), Virtual Conference. https://njit-edu.zoom.us/j/91522138102?pwd=VmphSzVtNFdrV3NCWEhLK0JIWXE3UT09

Event - "[015] 1st meeting of the American Association for Trans-Disciplinary Communication (AFTDC)"

Title: "1st meeting of the American Association for Trans-Disciplinary Communication (AFTDC)"

Short abstract: In an era where interdisciplinary collaboration is key to innovation, the American Association for Trans-Disciplinary Communication (AFTDC) fosters dynamic dialogues and partnerships. Our virtual meeting is not just an event; it's a collective journey toward redefining the boundaries of collaborative and social innovation.

Our mission extends beyond the mere establishment of new chapters. We are committed to nurturing a vibrant, inclusive community where diverse voices and ideas converge. This gathering is an open invitation to all who are passionate about trans-disciplinary communication. Whether you are an academic, practitioner, student, or enthusiast, your unique perspectives are vital in shaping an organization that truly reflects the multifaceted nature of TDC.

Publisher: New Jersey Institute of Technology

Date: 01/03/2024

Additional links: https://digitalcommons.njit.edu/tdc/

APA Citation:

Leon, C. (2024, January 3). AFTDC 2024 Session II Español.- Open Science Framework (OSF) como herramienta para la colaboración transdisciplinaria [Presentación] [PPT]. Clarifying Trans-Disciplinary Approaches, New Jersey Institute of Technology. https://digitalcommons.njit.edu/tdc/2024AFTDC/Kickoff/2/

Leon, C., Lipuma, J., Meritano Corrales, E., Cabobianco, M., Callaos, N., & Cowin, J. (2024, January 3). AFTDC 2024 Open Discussion on the Association's Vision: An opportunity for all members to share and shape the future direction of AFTDC [Panel Discussion] [PPT]. Clarifying Trans-Disciplinary Approaches, New Jersey Institute of Technology. https://digitalcommons.njit.edu/tdc/2024AFTDC/Kickoff/3/

Lipuma, J., & Leon, C. (2024a, January 3). AFTDC 2024 Roundtable I.- Collaborative Convergence Pyramid: A Framework for TDC [Presentation] [PPT]. Clarifying Trans-Disciplinary Approaches, New Jersey Institute of Technology. https://digitalcommons.njit.edu/tdc/2024AFTDC/Kickoff/5/

Lipuma, J., & Leon, C. (2024b, January 3). AFTDC 2024 Welcome and opening remarks [Presentation] [PPT]. Clarifying Trans-Disciplinary Approaches, New Jersey Institute of Technology. https://digitalcommons.njit.edu/tdc/2024AFTDC/Kickoff/6/

Text - "[012] WMSCI 2023 - Abstracts Proceedings [JSCI]"

Title: "WMSCI 2023 - Abstracts Proceedings [JSCI]"

Short abstract: These abstracts and proceedings are related to the virtual presentation made at the Second Meeting of the International Association FOR Trans-Disciplinary Communication (AFTC).

Publisher: The International Institute of Informatics and Systemics (IIIS)

Date: 09/15/2023

Additional links: None

APA Citation:

Leon, C., & Lipuma, J. (2023). WMSCI 2023—Abstracts Proceedings [JSCI]. WMSCI 2023 - Abstracts Prceedings, 35. /Research/Collaboration & Convergence. https://www.academia.edu/107745793/WMSCI_2023_Abstracts_Prceedings

Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
[003] Trans-Disciplinary Communication and Persuas ...	Text	2023-09-30	Open	STEM FOR SUCCESS RESOURCES	1 MB	Creative Commons Attribution Non Commercial Share Alike 4.0 International	Dublin Core PREMIS	No	No
[005] Trans-Disciplinary Communication in the Chat ...	Text	2024-06-30	Open	STEM FOR SUCCESS RESOURCES	1 MB	Creative Commons Attribution Non Commercial Share Alike 4.0 International	Dublin Core PREMIS	No	No
[004] Disclosure of Support Statement: Increasing ...	Text	2023-09-30	Open	STEM FOR SUCCESS RESOURCES	1 MB	Creative Commons Attribution Non Commercial Share Alike 4.0 International	Dublin Core PREMIS	No	No
[002] Data Management Sharing Plan: Fostering Effe ...	Text	2023-09-30	Open	STEM FOR SUCCESS RESOURCES Open Science Framework	1 MB	Creative Commons Attribution Non Commercial Share Alike 4.0 International	Dublin Core PREMIS	No	No
[014] The (Algorithmic) Cage [Presentation]	Text	2023-10-31	Open	STEM FOR SUCCESS RESOURCES	1 MB	Creative Commons Attribution Non Commercial Share Alike 4.0 International	Dublin Core PREMIS	No	No
[007] Exploring Student Self-Assessment in General ...	Text	2023-09-30	Open	Open Science Framework	1 MB	Creative Commons Attribution Non Commercial No Derivatives 4.0 International	Dublin Core	No	No
[006] A Brave New World: AI as a Nascent Regime? [...	Event	2023-09-30	Open	Open Science Framework STEM FOR SUCCESS RESOURCES	1 MB	Custom Data Use Agreements/Terms of Use	Dublin Core	No	No
[008] Using Trans-Disciplinary Communication in th ...	Text	2023-09-30	Open	Open Science Framework STEM FOR SUCCESS RESOURCES	1 MB	Creative Commons Attribution Non Commercial No Derivatives 4.0 International	Dublin Core	No	No
[009] Desafíos y Oportunidades en la Alfabetizació ...	Text	2023-09-30	Open	Open Science Framework STEM FOR SUCCESS RESOURCES	1 MB	Creative Commons Attribution Non Commercial No Derivatives 4.0 International	Dublin Core	No	No
24/05/12 [C] New	Text	2023-09-30	Open	None specified	1 MB	Creative Commons Attribution Non Commercial No Derivatives 4.0 International	None specified	No	No
[013] Accelerating Higher Education Transformation ...	Text	2023-09-30	Closed	Open Science Framework STEM FOR SUCCESS RESOURCES	1 MB	Custom Data Use Agreements/Terms of Use	Dublin Core	No	No
[001] Supporting Correctional Educators Through O ...	Text	2023-08-06	Open	Open Science Framework STEM FOR SUCCESS RESOURCES	1 MB	Creative Commons Attribution Non Commercial No Derivatives 4.0 International	Dublin Core	No	No
[010] Leveraging Trans-Disciplinary Communication ...	Event	2023-09-30	Open	Open Science Framework STEM FOR SUCCESS RESOURCES	1 MB	Creative Commons Attribution Non Commercial No Derivatives 4.0 International	Dublin Core	No	No
[011] Trans-Disciplinary Communication in Collabor ...	Event	2023-09-30	Open	Open Science Framework STEM FOR SUCCESS RESOURCES	1 MB	Creative Commons Attribution Non Commercial No Derivatives 4.0 International	Dublin Core	No	No
[015] 1st meeting of the American Association for ...	Event	2024-01-02	Open	Open Science Framework Open Science Framework NJIT Digital Commons		Creative Commons Attribution Non Commercial No Derivatives 4.0 International	Dublin Core	No	No
[012] WMSCI 2023 - Abstracts Proceedings [JSCI]	Text	2024-01-20	Open	JMU Open Science Framework (OSF)	1 MB	Custom Data Use Agreements/Terms of Use	Dublin Core	No	No