DATA MANAGEMENT PLAN

Date:	26.06.2024
Version:	DMP 1.0
Project number:	101132352
Project acronym:	d@rts
Project name:	dialoguing@rts – Advancing Cultural Literacy for Social Inclusion through Dialogical Arts Education
Project website:	https://dialoguingarts.eu/ https://cordis.europa.eu/project/id/101132352
Project duration:	01.01.2024–30.06.2027
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Project Abstract: d@rts is a catalyst for increasing social cohesion and inclusion, using embodied performing arts activities to develop cognitive and affective cultural literacy. We recognise that the performing arts encompass mass-market consumer goods, as well as non-linguistic, embodied and social activities, providing massive opportunities for inclusive participation. Our target groups comprise actors of all ages and social positions, especially in the school system and in community arts initiatives. We will empower these groups to be artistically active, dialogically related and culturally literate, giving them tools and motivation to improve their own situations and those of others within the overall frame of a cohesive European society, informed by global perspectives. Using the post-colonial insight that culture is necessarily heterogeneous, d@rts has four related objectives: 1. Understand how performing arts activities relate to cultural literacy in official discourse and documents across partner countries; 2. Use this understanding to build dialogues and co-create physical and digital actions with heterogeneous groups within our target audience; 3. Develop assessment tools for these actions, enabling measurable growth in cultural literacy; 4. Use our findings in recommendations for cultural and educational policies that build long-term social cohesion and inclusion. Based on these objectives, the overall outputs comprise: 1. Documentary, survey and participatory research findings; 2. Performative DIALOGART actions for cultural literacy; 3. Policy and practice recommendations to increase social cohesion via cultural literacy actions inspired by the performing arts. d@rts imagines new futures and creates hope and social cohesion through performing arts education. By creating participatory spaces and facilitating dialogues, we empower voices seldom heard. d@rts thus advances cultural literacy, and enhances social cohesion and resilience, to build an inclusive future for Europe.

Disciplines: Social Science, Humanities

1. Data Summary

Will you re-use any existing data and what will you re-use it for?

No, we will not reuse any existing data from other repositories.

What types and formats of data will the project generate?

The following types of data will be collected and/or processed in d@rts:
- Documents
- Questionnaires
- Observations
- Video ethnography
- Interviews (individual & group)
- Artistic artefacts

These data types will be collected in the form of text, image, video and audio files – doc, pdf, xls, csvm, mp4, sav, txt, mp3, jpg, wav are the file formats likely to be used for data collection and analyses.

As part of these data collections, personal data is processed and, in some cases, also the following sensitive data:
- Personal data revealing ethnic origin;
- Personal data revealing religious or philosophical beliefs;
- Personal data concerning a person's sexual orientation.

The personal data which are processed as part of the d@rts project concern the following categories of data subjects:
- Cultural literacy stakeholders (work package 2)
- Cultural literacy project participants (children, youth, students, adults, artists, arts educators, leaders/managers of cultural institutions) (work packages 3 and 7)
- DIALOGART portfolio groups (children, youth, adults, community managers, practicing artists, arts educators, leadership of educational institutions, educators, teachers, policy makers) (work package 5)
- Participants of the Digital Playground (youth, adults, artists, arts educators) (work package 6)
- Local, cultural, educational and policy actors, artists and young people (work package 7)
- Parents, or persons with parental authority (in case of data subjects under the age of 13).

Further information on data collection:
All files and folders containing personal data will be encrypted using software approved by the participating institutions. Equipment and software approved by the institutional guidelines will be used for recording videos and taking photographs.

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Work package	Data volume	Software used	Storage (during the research process)	Sharing/Transfer
WP1	1 GB	NVivo, Word, Excel	PC – local disk (Institution), Cloud service (Institutional agreement – SharePoint at Nord University), Smart phone/tablet (Institution)	E-mail (Institution), Cloud service (Institutional agreement – SharePoint at Nord University), Smart phone/tablet (Institution)
WP2	20 GB	Zoom, NVivo, Excel, SPSS, R, MPlus	Zoom, PC – local disk (Institution), Cloud service (Institutional agreement – SharePoint at Nord University), Smart phone/tablet (Institution), Nextcloud (provided by JYU)	E-mail (Institution), Nextcloud (provided by JYU, partner 6 in d@rts)
WP3	1 TB	NVivo, Word	PC – local disk (Institution), Cloud service (Institutional agreement – SharePoint at Nord University), Cloud service (Institutional agreement – Sciebo at Universität zu Köln)	E-mail (Institution), Nextcloud (provided by JYU)
WP5	1 TB	NVivo, JASP, SPSS, TLab	PC – local disk (Institution), Cloud service (Institutional agreement – SharePoint at Nord University), Smart phone/tablet (Institution)	E-mail (Institution), Nextcloud (provided by JYU)
WP6	1 TB	MaxQDA, F4x	PC – local disk (Institution), Cloud service (Institutional agreement – Academic Cloud at University of Lüneburg), Smart phone/tablet (Institution)	E-mail (Institution), Nextcloud (provided by JYU)
WP7	100 GB	Word, NVivo	PC – local disk (Institution), Cloud service (Institutional agreement – Academic Cloud at University Hildesheim), Smart phone/tablet (Institution)	E-mail (Institution), Nextcloud (provided by JYU)

d@rts will aspire to make data openly available (WP 1) after anonymization and/or removing personal information (WP 2, 6, 7). Sensitive categories of personal data are handled in WP 3 and 5 – data from these WPs will be partly difficult to anonymize. The data will therefore be made available via archives allowing for restricted access.

What is the purpose of the data generation or re-use and its relation to the objectives of the project?

How can performing arts education, in formal and non-formal contexts, reimagine cultural literacy as a dialogical practice that enhances social cohesion and inclusion? Unfolding from this overarching query, d@rts attends to sub-questions of:
- How do current cultural and educational policies and curricula address the interconnections of cultural literacy, performing arts and social cohesion and inclusion?
- How is cultural literacy implemented, on an organisational level, in formal and non-formal performing arts education contexts in order to increase its impact on social cohesion and inclusion?
- How can performing arts education create spaces for the promotion of a cultural literacy that enhances social cohesion and inclusion, and what are the related enablers and constraints?
- How can performing arts education actions for cultural literacy, social cohesion and

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inclusion be applied in our target communities?

- How can cultural literacy and its impact on social cohesion and inclusion be assessed through innovative evaluation tools, in the context of performing arts education?
- How can a creativity-based digital platform connect 21st century skills, cultural literacy and social cohesion and inclusion?
- What recommendations might lead to increased access to cultural literacy, and what innovative policy solutions and organisational practices might increase social cohesion and inclusion via cultural literacy?

To address these questions, d@rts will carry out in-depth research and innovative activities to identify understandings of cultural literacy, find places where cultural literacy are being practised or can be encouraged and experienced, and co-create innovative, creative, and arts-based practices with communities, thus contributing to informing and reforming policies on social cohesion and inclusion in European education and culture.

Data will be generated in accordance with the aims of the following work packages (WP):

WP1: Research review & comparative analysis of cultural and education policies and curricula

WP1 analyses how the interconnection of cultural literacy, performing arts and social cohesion and inclusion is addressed in existing research, current cultural and educational policies and curricula. Objectives:

- Perform analysis of relevant scientific literature, European, national and regional policy frameworks, and national curricula regarding cultural literacy
- Produce a novel analytical framework.

WP2: comparative survey study

WP2 investigates the value of cultural literacy by analysing the state of the art of cultural literacy education in member states. Within a comparative large-scale assessment-design, the assessment-framework developed in WP5 will be distributed to stakeholders for data acquisition, thus generating an indicative sample of formal and non-formal educational partners in all selected countries (N = 150 institutions/organisations per country = 1050 in total). This will ensure coverage of multiple models of cultural literacy education, implementation, investment and development, and will also assess cultural literacy education, resources and teaching approaches in the performing arts. Data will be collected digitally. Institutions will be asked to state their goals and visions with respect to cultural literacy education, attending to the organisational element of the process.

WP3: Ethnographies in dialogue – Case studies of arts education practice

WP3's main objective is to examine how performing arts education creates spaces for the promotion of cultural literacy that enhance social inclusion, and to analyse related drivers and constraints. Methodologically, WP3 is framed as multi-sited ethnography (Marcus, 1995), where the ethnographer moves between and within sites. This multi-sited ethnographic approach is anchored in embodied and dialogical methods (Pink, 2015). This results in multi-

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layered and interdisciplinary research findings, whilst institutional aspects at a meso level are also considered. To achieve this, WP3 will explore existing performing arts educational practices through fieldwork in 5–10 diverse cases in European partner countries.

Objectives:
- To explore through conversations how performing arts education creates spaces and facilitates practices for cultural literacy that enhance social inclusion;
- To conduct ethnographic fieldwork;
- to analyse how cultural and arts educational initiatives can connect, facilitate and dialogue with disadvantaged and minority groups;
- to analyse how cultural and educational initiatives and institutions might become more diverse and inclusive via cultural literacy.

WP4: This work package does not include the collection of data.

WP5: Developing and implementing methods for evaluating cultural literacy and social cohesion

WP5 will construct, pilot, revise and validate innovative evaluation tools for individuals, organisations and educational systems. Hence, WP5 will develop innovative evaluation tools to assess performing arts education, and its links to cultural literacy development and social inclusion, across different levels of formal and non-formal education:
- Co-create, pilot, revise and validate (1) Portfolio of individual competences for cultural literacy, (2) Scale of process indicators to guide good practice, (3) Competences portfolio for community arts workers;
- Co-create, pilot, revise and validate (4) Portfolio of collective competences for cultural literacy education;

WP6: Digital Dialoguing-Platform and Playground

WP6 will develop an interactive platform to build a digital community, supporting WP3–5's cases and actions. The platform will include a "playground". WP6 will use qualitative research and analysis methods, such as individual and group interviews, to support development and evaluation of gamified and ludic techniques, and to identify aesthetic strategies and 21st century skills (21CS) of the participants. Their comments on existing artistic artefacts will be evaluated, and their own artefacts analysed.

Objectives:
- Set up an online platform including a learning management system (LMS) to support e-portfolios.

- Perform analyses of virtual communities and digital cultural literacy.

WP7: Practice and research-based policy recommendations

WP7 will recommend effective actions and innovative policy solutions to enable cultural literacy to positively affect society. Based on project results and in close coordination with WP1, it will identify issues arising from the cultural and educational policies of partner countries from a postcolonial perspective, meaning that dominant discourses will be critically

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interrogated. For this purpose, discourse and dispositive analytical methods will be used and the results will be refined in consultation with cultural and educational policy experts. To re-inforce the postcolonial dimension of WPs 3–5 in specific workshops, a transdisciplinary research design will mix expert interviews, participant observation and praxeological-artistic working methods.

To whom might your data be useful ('data utility'), outside your project?

Data generated within d@rts can be of interest for researchers and policy makers in arts education, intercultural education, teacher education, early childhood education, cultural and education policy, sociology, and organisational research.

2. FAIR data

2.1 Making data findable, including provisions for metadata: Will data be identified by a persistent identifier?

The data files and associate metadata will be assigned persistent ID at https://sikt.no/en/archiving-research-data.
Open (green) data and anonymized datasets after removal of personal information can be archived in the Core Trust Seal certified database https://dataverse.no/, which is also Nord University's open repository for research data. DataverseNO also assigns persistent identifiers to data files and the associated metadata.

Will rich metadata be provided to allow discovery? What metadata will be created? What disciplinary or general standards will be followed? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how.

To allow discoverability of data, internationally recognized metadata standards such as DDI (https://ddialliance.org/) and Dublin core (https://www.dublincore.org/) will be followed. Dataset- and file-level metadata will be created to facilitate reuse of the data by clarifying contexts and data provenances.

Will search keywords be provided in the metadata to optimize the possibility for discovery and then potential re-use?

Keywords will be added to the metadata to increase the findability of the data and potential for reuse.

Will metadata be offered in such a way that it can be harvested and indexed?

The metadata will be provided in machine-readable formats via indexed repositories such as SIKT and dataverseNO.

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2.2 Making data accessible

Repository: Will the data be deposited in a trusted repository?

The data will be deposited in trusted repositories. Restricted data will be archived at SIKT whereas green data can be made openly available through the Core Trust Seal certified data-base dataverseNO.

Repository: Have you explored appropriate arrangements with the identified repository where your data will be deposited?

DataverseNO has clarified that it can publish open (green) data, including anonymized data. Regarding the archiving of data containing personal information, we have obtained an overview of the processes SIKT has in place. Suitable permissions will be sought for processing of personal information in accordance with the correspondence of d@rts project/Nord University with SIKT.

Repository: Does the repository ensure that the data is assigned an identifier? Will the repository resolve the identifier to a digital object?

The selected archives assign digital object identifiers to the data.

Data: Will all data be made openly available? If certain datasets cannot be shared (or need to be shared under restricted access conditions), explain why, clearly separating legal and contractual reasons from intentional restrictions. Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if opening their data goes against their legitimate interests or other constraints as per the Grant Agreement.

The data will be made as open as possible in compliance with FAIR principles.
WP1 is based on publicly available documents. Data from this work package will be made openly available.
WPs 2, 3, 5, 6 and 7 will generate substantial volumes of data containing personal information, including sensitive categories of personal information in WPs 3 and 5. Wherever possible, we will make anonymized data openly available. Data that cannot be anonymized will be archived at SIKT with restricted access.

Data: If an embargo is applied to give time to publish or seek protection of the intellectual property (e.g. patents), specify why and how long this will apply, bearing in mind that research data should be made available as soon as possible.

Embargo will be requested until the end of the project (30.06.2027) to allow sufficient time for processing of the data, including anonymization, and publication of results.

Data: Will the data be accessible through a free and standardized access protocol?

Both SIKT and dataverseNO provide free and standardized protocols for accessing data.

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Data: If there are restrictions on use, how will access be provided to the data, both during and after the end of the project?

Access will be provided to project partners in accordance with the "Joint controller agreement" that the d@rts consortium has put in place. After the data are archived, access to others for re-use will be administered via SIKT. This will be subject to relevant consents and permissions for application and re-use of personal data.

Data: How will the identity of the person accessing the data be ascertained?

Login credentials will be used for identifying the persons reusing the data.

Data: Is there a need for a data access committee (e.g. to evaluate/approve access requests to personal/sensitive data)?

Access to restricted data will be administered in consultation with SIKT.

Metadata: Will metadata be made openly available and licenced under a public domain dedication CC0, as per the Grant Agreement? Will metadata contain information to enable the user to access the data?

Yes, wherever possible.

Metadata: How long will the data remain available and findable? Will metadata be guaranteed to remain available after data is no longer available?

Archived data and metadata will remain available for a long period (at least 10 years). The metadata will remain available even after the data is no longer available.

Metadata: Will documentation or reference about any software be needed to access or read the data be included? Will it be possible to include the relevant software (e.g. in open source code)?

Not applicable. The data and metadata will be available in machine-readable non-proprietary formats.

2.3   Making data interoperable

What data and metadata vocabularies, standards, formats or methodologies will you follow to make your data interoperable to allow data exchange and re-use within and across disciplines? Will you follow community-endorsed interoperability best practices? Which ones?

Please refer to section 2.1 on making metadata findable.

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In case it is unavoidable that you use uncommon or generate project specific ontologies or vocabularies, will you provide mappings to more commonly used ontologies? Will you openly publish the generated ontologies or vocabularies to allow reusing, refining or extending them?

Yes

Will your data include qualified references to other data (e.g. other data from your project, or datasets from previous research)?

Yes

2.4   Increase data re-use

How will you provide documentation needed to validate data analysis and facilitate data re-use (e.g. readme files with information on methodology, codebooks, data cleaning, analyses, variable definitions, units of measurement, etc.)?

We will provide readme files with information on background, context and methodology, codebooks syntax files and variable definitions.

Will your data be made freely available in the public domain to permit the widest re-use possible? Will your data be licensed using standard reuse licenses, in line with the obligations set out in the Grant Agreement?

Green data and anonymized data (after removal of personal and sensitive information) will be made openly available for re-use under CC0 License. A suitable license will be selected later for the re-use of restricted data.

Will the data produced in the project be useable by third parties, in particular after the end of the project?

Yes, we will archive the data in trustworthy archives – DataverseNO and SIKT.

Will the provenance of the data be thoroughly documented using the appropriate standards?

Yes

Describe all relevant data quality assurance processes.

The quality of the generated data will be guaranteed via:
- equipment to be used for audio or video recording will be quality-checked;
- interview/observation protocols;
- consistent procedures when digitizing or transcribing data;
- pre-tested and standardized questionnaires;
- questionnaires/scales/inventories: validity and reliability checks.

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Further to the FAIR principles, DMPs should also address research outputs other than data, and should carefully consider aspects related to the allocation of resources, data security and ethical aspects.

All academic work will be published open access.

3. Other research outputs

In addition to the management of data, beneficiaries should also consider and plan for the management of other research outputs that may be generated or re-used throughout their projects. Such outputs can be either digital (e.g. software, workflows, protocols, models, etc.) or physical (e.g. new materials, antibodies, reagents, samples, etc.).

Not applicable

4. Allocation of resources

What will the costs be for making data or other research outputs FAIR in your project (e.g. direct and indirect costs related to storage, archiving, re-use, security, etc.)?

Archiving data in SIKT and dataverseNO are free of charge. The costs of open access publication of research results will be covered by institutional agreements with publishers.

How will these be covered? Note that costs related to research data/output management are eligible as part of the Horizon Europe grant (if compliant with the Grant Agreement conditions)

No costs foreseen.

Who will be responsible for data management in your project?

Project Leader/In accordance with the Joint Controller Agreement for partners.

How will long term preservation be ensured? Discuss the necessary resources to accomplish this (costs and potential value, who decides and how, what data will be kept and for how long)?

Open data and anonymized data will be preserved in trustworthy archives (SIKT/dataverseNO) over the long-term. Data containing personal information will be archived at SIKT with restricted access. These archives will ensure availability of the data for at least 10 years.

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5. Data security

What provisions are or will be in place for data security (including data recovery as well as secure storage/archiving and transfer of sensitive data)?

Data will be collected using equipment and software approved by the partner institutions. During the research process the data will be stored in storage systems of the involved partner universities in Norway, Finland, Italy and Germany, primarily on laptops and cloud services administered by the respective institutions. Red data will be encrypted using approved software. Only d@rts researchers will access the data and control the usage of the data. All data will be backed up by the IT centres of the involved universities.
Personal data will be shared exclusively via the Nextcloud service of the University of Jyväskylä (JYU, partner 6). Only consortium members explicitly designated for this purpose in the d@rts Joint Controller Agreement are granted access to the WP-specific data folders on nextcloud.

Will the data be safely stored in trusted repositories for long term preservation and curation?

Open data and anonymized data will be preserved in trustworthy curated archives (SIKT/dataverseNO) over long-term. Data containing personal information can be archived in SIKT with restricted access.

6. Ethics

Are there, or could there be, any ethics or legal issues that can have an impact on data sharing? These can also be discussed in the context of the ethics review. If relevant, include references to ethics deliverables and ethics chapter in the Description of the Action (DoA).

The following guidelines from Norway's National Committee for Research Ethics in the Social Sciences and the Humanities (NESH) will guide the data processing in d@rts:
  – General guidelines for research ethics (NESH, 2019a)
  – Guidelines for Research Ethics in the Social Sciences and the Humanities (NESH, 2021)
  – Guide to Internet Research Ethics (NESH, 2019b)

Informed consent for data sharing and long-term preservation will be included in questionnaires and other data collecting instruments dealing with personal data.
Insofar as personal and, in particular, sensitive data is collected in the WPs, the necessary approvals are obtained in advance from the national/local ethics committees (or other competent authorities).
Furthermore, d@rts will continue to be accompanied by an external ethics advisor (Alison Fox, Open University) for the entire duration of the project. The role of the ethics advisor is to ensure that the implementation of the project complies with the ethical obligations set out in the Grant Agreement, to assess the ethical merits through regular discussions with the

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consortium members, to attend key meetings such as the General Assembly to gain insights, and to provide pragmatic and reasoned advice to guide the consortium. The ethics advisor is also required to produce three reports at months 6, 18 and 36 to ensure ongoing ethical compliance throughout the project.

Will informed consent for data sharing and long-term preservation be included in questionnaires dealing with personal data?

Informed consent for participation in the study, collection, storage and use of data (including personal data) during the project, long-term preservation of data, sharing of data for academic/research purposes, and open publication of anonymized and non-sensitive data will be included in questionnaires and other data collecting instruments dealing with personal data. Participation will be voluntary, and the participants will have the right to withdraw their consent at any stage during or after the collection of data.

7. Other issues

Do you, or will you, make use of other national/funder/sectorial/departmental procedures for data management? If yes, which ones (please list and briefly describe them)?

For data management, the d@rts project team will be assisted by Nord's University Library (research-data@nord.no).

HISTORY OF CHANGES		
VERSION	PUBLICATION DATE	CHANGE
1.0	26.06.2024	Initial version (DMP 1.0)

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