

Globalisation and the Spread of Disease across Maritime (South-)East Asia, during an Era of Environmental Stress (1560 to 1850)

Research Data Summary

List and describe all datasets or research materials that you plan to generate/collect or reuse during your research project. For each dataset or data type (observational, experimental etc.), provide a short name & description (sufficient for yourself to know what data it is about), indicate whether the data are newly generated/collected or reused, digital or physical, also indicate the type of the data (the kind of content), its technical format (file extension), and an estimate of the upper limit of the volume of the data.

Dataset name / ID	Description	New or reuse	Digital or Physical data	Data Type	File format	Data volume	Physical volume
		<i>Indicate: N(ew data) or E(xisting data)</i>	<i>Indicate: D(igital) or P(hysical)</i>	<i>Indicate: Audiovisual Images Sound Numerical Textual Model SOftware Other (specify)</i>		<i>Indicate: <1GB <100GB <1TB <5TB >5TB NA</i>	
Existing FileMaker database	outbreaks of various diseases in maritime (South-)East Asia	use existing database and populate it with new data	physical and digital data	textual, visual, numerical	FileMaker	2 GB	no
archival materials	diaries, ship records, missionary reports in Asian, Belgian, Dutch, and Spanish archives	existing and new data	physical and digital data	textual, visual, numerical	manuscripts		
images	paintings, maps, other art objects	new data	physical and digital data	visual			
NOAA environmental & climate dates	information on typhoons, temperatures	existing data	digital data	numerical,			

If you reuse existing data, please specify the source, preferably by using a persistent identifier (e.g. DOI, Handle, URL etc.) per dataset or data type:

existing FileMaker meta database, not yet published (access restricted to research members), persistent identifier will be created before publication

Are there any ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use)? If so, refer to specific datasets or data types when appropriate and provide the relevant ethical approval number.

- No

Will you process personal data? If so, please refer to specific datasets or data types when appropriate and provide the KU Leuven or UZ Leuven privacy register number (G or S number).

- No

Does your work have potential for commercial valorization (e.g. tech transfer, for example spin-offs, commercial exploitation, ...)?
If so, please comment per dataset or data type where appropriate.

- No

Do existing 3rd party agreements restrict exploitation or dissemination of the data you (re)use (e.g. Material or Data transfer agreements, Research collaboration agreements)? If so, please explain in the comment section to what data they relate and what restrictions are in place.

- No

Are there any other legal issues, such as intellectual property rights and ownership, to be managed related to the data you (re)use? If so, please explain in the comment section to what data they relate and which restrictions will be asserted.

- No

When the PhD goes to archives, he/she will make sure to get the rights to use the data

Documentation and Metadata

Clearly describe what approach will be followed to capture the accompanying information necessary to keep data understandable and usable, for yourself and others, now and in the future (e.g. in terms of documentation levels and types required, procedures used, Electronic Lab Notebooks, README.txt files, codebook.tsv etc. where this information is recorded).

You will agree on documentation practices with the PhD, also to ensure that data can be resused by other project members and beyond

Will a metadata standard be used to make it easier to find and reuse the data?

If so, please specify which metadata standard will be used.

If not, please specify which metadata will be created to make the data easier to find and reuse.

- Yes

We already have a meta database structure, that will be further developed

Data Storage & Back-up during the Research Project

Where will the data be stored?

- Other (specify below)

the FileMaker db is stored at the KU Leuven server now

How will the data be backed up?

- Standard back-up provided by KU Leuven ICTS for my storage solution

Is there currently sufficient storage & backup capacity during the project?

If no or insufficient storage or backup capacities are available, explain how this will be taken care of.

- Yes

How will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?

Currently password protected, and also protected by multi-factor authorisation

What are the expected costs for data storage and backup during the research project? How will these costs be covered?

still to be decided; the FileMaker database license is paid by KU Leuven

Data Preservation after the end of the Research Project

Which data will be retained for 10 years (or longer, in agreement with other retention policies that are applicable) after the end of the project?

In case some data cannot be preserved, clearly state the reasons for this (e.g. legal or contractual restrictions, storage/budget issues, institutional policies...).

- All data will be preserved for 10 years according to KU Leuven RDM policy

all data will be preserved

Where will these data be archived (stored and curated for the long-term)?

- KU Leuven RDR

KU Leuven RDR (Research Data Repository)

What are the expected costs for data preservation during the expected retention period? How will these costs be covered?

KU Leuven RDR is free to use

Data Sharing and Reuse

**Will the data (or part of the data) be made available for reuse after/during the project?
Please explain per dataset or data type which data will be made available.**

- Yes, as open data

If access is restricted, please specify who will be able to access the data and under what conditions.

Question not answered.

Are there any factors that restrict or prevent the sharing of (some of) the data (e.g. as defined in an agreement with a 3rd party, legal restrictions)?

Please explain per dataset or data type where appropriate.

- No

Where will the data be made available?

If already known, please provide a repository per dataset or data type.

- KU Leuven RDR (Research Data Repository)

When will the data be made available?

- Other (specify below)

not known yet, it depends on the project progress

Which data usage licenses are you going to provide?

If none, please explain why.

- CC-BY 4.0 (data)

Do you intend to add a persistent identifier (PID) to your dataset(s), e.g. a DOI or accession number? If already available, please provide it here.

- Yes, a PID will be added upon deposit in a data repository

What are the expected costs for data sharing? How will these costs be covered?

no expected costs

Responsibilities

Who will manage data documentation and metadata during the research project?

Angela Schottenhammer, N.N. (PhD), geoinformatician (hired)

Who will manage data storage and backup during the research project?

Angela Schottenhammer, N.N. (PhD), geoinformatician (hired)

Who will manage data preservation and sharing?

Angela Schottenhammer, N.N. (PhD), geoinformatician (hired)

Who will update and implement this DMP?

Angela Schottenhammer, N.N. (PhD), geoinformatician (hired)