

Infrastructure Manifest Template (v 1.0) - [metadata here as appropriate--e.g., creator, project, date, etc.]

Instructions for filling out this manifest:

This template is in the form of a spreadsheet designed to collect information from authors contributing to Critical Infrastructure Studies and Digital Humanities about the principal or representative infrastructures behind the work needed to create their chapter (e.g., to research, collaborate on, collect, store, analyze, visualize, write, edit, and share materials). (To be clear, the manifest is intended to represent only the infrastructure behind the making of chapters, not of any projects or resources that chapters discuss.)

For co-authored chapters, authors should complete individual infrastructure manifests. (It would be ideal if all co-authors could do so. But at a minimum, at least one principal author should do so to represent the other others.) The reason we are asking for individual manifests from co-authors is that after experimentation we found that aggregating several author's infrastructures in a single manifest produced a hodge-podge of results that is not meaningful (or less meaningful than seeing a single person's ecosystem of infrastructure. Aggregate infrastructure manifests would only be meaningful for statistical reporting on hundreds or thousands of authors.

It is at the discretion of authors what, how much, and how to report on their principal or representative infrastructures. Not all fields need to be filled in; or fields can be filled in with "unknown" or "N/A" ("not applicable"). An infrastructure manifest need not (and, in reality, cannot) be comprehensive. It is instead a representation of an author's judgment about what is important to declare as a way of making the infrastructure of their knowledge work "visible" (to use Susan Leigh Star well-known postulate that infrastructure is usually "invisible").

This infrastructure manifest completed by

Your names here

Your chapter title here

Infrastructure Type

Description

Control point for access to or use (e.g., identify the owner, regulator, manager, etc. as appropriate)

Open Source, Open Access, or Public Resource/Utility

Proprietary

How heavily used?

Reliability

Satisfaction for User

Ethical concerns (known or possible)

Comments

Write descriptions as free-form text or as lists. Where feasible, suggest both categories and specific cases--e.g., "word processor: Word."

Also, for rows in which you describe more than one item (e.g., Material Infrastructure: car, computer, phone), you can use the "Description" field to provide any needed differentiating detail or quantitative measures for columns C-H -- e.g., Car (reliability: 9), Computer (reliability: 8).

Land infrastructure (e.g., properties ceded, unceded, public, private, etc.) Include only principal land infrastructures.

Materials infrastructure (e.g., notable common or rare extracted or other materials used in research, production, and communication). Break down by notable materials used in devices or tools if appropriate.

Energy infrastructure (e.g., principal energy sources & infrastructure used in research, production, and communication)

Transportation infrastructure (e.g., private or public transportation needed for daily or research trips)

Architectural infrastructure (e.g., buildings, labs, rooms)

Civic, community, national, or regional infrastructure (e.g., provided by cities, communities, governments, etc.)

Institutional infrastructure (e.g., equipment, services, and "overhead" or "indirect cost recovery" items for grants to universities)

Labor infrastructure (e.g., type & amount of labor from collaborators, staff, research assistants; include any attributes that seem important, such as unrecognized, unpaid, low-paid, outsourced, or other attributes of labor)

Research-content infrastructure (e.g., physical libraries and archives, online research materials, shadow libraries, etc.)

Tools infrastructure (e.g., principal analog tools and digital tools, scripts, or protocols used for research, writing, communication, production) (excluding high-performance computing, for which see below)

Networked Platforms infrastructure (e.g., major networked or cloud platforms used for research, storage, analysis, sharing, communication, publication -- e.g., Google Drive, Dropbox, AWS, etc.) (excluding high-performance computing, for which see below)

High-performance computing infrastructure (here defined expansively to include the use not just of supercomputers and computer clusters or grids but any high-performance computing infrastructure or special GPU and other processors exceeding the capabilities of an individual workstation, laptop, or server.

Other infrastructure

Designate only for the most important infrastructure in fields where you list more than one.

Use "Description" to differentiate as needed.

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Leave blank if N/A

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Use "Description" to differentiate as needed.

Leave blank if N/A

1 to 10 (10= "most") whole numbers only; in fields where you enter more than one item, provide the MEDIAN number.

Use "Description" to differentiate among items as needed.

Leave blank if unknown or N/A

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