Pauma Enhancement 2022

Project Narrative

Project Justification

The Thriving Library Project will promote the goal of "advancing collections stewardship and access by supporting collection care and management: goals 3 and 3.2 of the 2022 Enhancement Grant respectively.

This project will address the need of cultural preservation that has been exacerbated during the current COVID-19 health crises. According to Princeton University's study on COVID-19, Tribal communities suffered the greatest number of COVID-19 related deaths, more than all other race and ethnic group in the U.S. With the loss of tribal members, in particular tribal elders and seniors the potential for culture and language loss skyrockets. The Pauma tribe has been no exception to this impact. The Thriving Library Project is poised to address this culture, tradition and language loss through digital archives creation supported by archives best practices within National Archives Guidelines for Digitizing Archival Material for Electronic Access. Dozens of national studies exist that document the loss of Native languages and the loss of Native cultures. The extent to which COVID-19 will impact Tribal cultures will take years to fully understand. Organizations such as the United Nations, University of California Berkley, United Philosophical Society all state the native language for the Pauma tribe; Luiseno is in danger of extinction along with half of the 150 to 200 known native languages still spoken today. Although there was once more Native Language than European languages. Language is the first piece of a culture or ethnicity loss during assimilation. Native languages also have the unique history of having spent decades even centuries under assault from the federal government. The University of California – Berkley believes there are more Dine or Navajo speakers in Southern California than Luiseno. The Pauma tribe makes language preservation a top priority and has charged the

Pauma AA'Alvikat Library with leading those efforts and supports the library in these preservation goals. Preserve the language; preserve the culture. The Thriving Library Project will build on previous programs generously funded through IMLS to create an archives platform that will be used by the Tribe to document and protect the Pauma culture into the future.

Pauma is linked to our neighboring Tribes through family, tradition, and collaboration on a variety of cultural, environmental, and economic development initiatives. There are also hundreds of Pauma descendants not enrolled but still members of the Pauma family that live in the communities that surround the reservation as well. It is estimated that total number of Tribal members and decedents numbers close or above three hundred. These are the primary target group for this effort. Secondary target includes Pauma tribal members of all ages who do not live on the reservation. These members are as secondary because the library will not have face-to-face access to these members. Tribal seniors and elder will benefit from this program through the creation of a secure and trustworthy repository of treasured artifacts and documents. Tribal children under fifteen, youth 16 to 21, and emerging adults that are new voting members will benefit from intergenerational programs hosted by the library. Tribal members who volunteer to catalog and digitize will receive education and workforce experience within archives and project management. Pauma members who do not live on the reservation will also receive latent benefits

of this project. While this group may not be able to attend programs in person or volunteer in the library during the project, thanks to previous IMLS funded programs these efforts will allow distant tribal members to participate in programs virtually and will have access to the digital archives online from home.

Project Work Plan
While the Thriving Library Project is designed to be an 18-month initiative, it is intended to have a longer-term impact on how the AA'Alvikat Library functions. It is important to the Tribe that the grant project has a lasting impact. We prefer to see this grant as a capacity building opportunity for the Pauma AA'Alvikat library in that the library staff will have an archive infrastructure set in place at the grant's conclusion. This work will follow National Archives and Records Administration Guidelines Archival Materials for Electronic Access and the Project will work closely with the National Archives at Riverside in Perris California to reduce all risk and harm for this archives project.

This will be achieved through three project elements: the launch thriving library archives; build on past project to support Thriving Library awareness; and the hosting of interactive events that bring people physically together to discuss and engage with the newly developed digital archives.

- Element One. Thriving library Archives launch

The launch of the archives will be the most in-depth and essential segment of the Thriving library project and will be broken down into the following phases of Inventory, review, assess, catalog, metadata, digitize prep, digitize, review, and archive. Staff training and development will begin immediately, even before the award period. The current library budget and previous grant awards support library staff training and development. These will include regular attendance at the International Conference of Indigenous Archives, Libraries and Museums in Temecula California. Training and instruction through the National Archives at Riverside in Perris California, trainings, and interviews with other organizations such Smithsonian, National Museum of the American Indian, Southwest Museum of the American, the Museum of US and attend archives certification course through San Jose State University.

  a. Condition evaluation: The chief collaborator, library project staff, and the professional archives contractor to be hired, will initially inventory the existing items and any accompanying records, flagging any fragile works or works the need special handling. These items will be thoroughly evaluated by the team and complete conditions reports will be made and evaluations of reports will take place on a weekly basis with the library team with invitations to participate made to the archive's stakeholders including Tribal, committee, and council members. Under advisement from archives contractors, items deemed too fragile for digitization will not be included in the digitization portion of the Thriving Libraries project, but the metadata and catalogue records will be created. Any special instructions for the handling of these fragile items will be made clear in the records creation phase.

b. Cataloging: existing records for archives materials will be evaluated and edited. We anticipate that only artifacts have catalogs records, and these records will be sparse. Original record creation will be completed, and document record templates will be designed for Pauma's unique needs. The library's current library management system with Soutron Global has unique and archives record capabilities that make cataloging fully customizable. Information in the catalog will follow NARA guidelines as well.

c. Metadata creation: This phase will see a main list of all items waiting to be photographed. Currently the library houses twelve bankers' boxes of documents, or 20,000 sheets of paper. These records consist mostly of committee and council meeting notes and minutes, birth and death announcements, enrollment data, program activities for varies tribal departments, as well a reservation data. They are currently divided into these categories: education, history, Johnson O'Malley program, language, miscellaneous, repatriation, and scholarships. This is based on the Developing and Maintaining Practical Archives: A How-To-Do-It Manual (How-To-Do-It Manuals) 3rd Edition by Gregory S. Hunter. All existing catalog records were created using this resource.

d. Digitizing prep: The filename will be printed and tagged with the work in storage. The project leader, with the assistance of library staff and the archives contractor, will set works cataloged in steps a and b up to be photographed on-site, with attention to those that need special handling. Dust will be carefully removed from objects with a lint-free, soft-bristle brush and textiles will be surface cleaned with a low suction vacuum. To ensure the safe handling and transport of all objects during this process safety equipment will be on hand. Large items will always be moved with their storage supports. Sturdy/ rigid archival boards padded rolling carts, and acid-free trays will be always available. A variety of glove types and other tools will be used to secure the safe handling of all works. Ceramics will always be placed on a padded surface (cloth, pillows, or sheets of polyethylene foam) and baskets will always be transported in a box for extra support, with the sides of baskets reinforced with coils or rings made from extruded polyethylene or cloth tubing.

e. Digitization: Under the direction of the main project collaborator, photographs will be taken of each object, with special attention given to creating the appropriate lighting. The photographer will use a high-resolution camera will capture digital camera to create archival master digital images. Quality review will take place throughout each day to confirm that digital images appropriately match the original works in terms of the quality of their tone and color by working with the aid of a reference target.

f. Review: The project team will edit raw image files to ensure that they are an accurate reflection of the original object in their tone, color reproduction, sharpness, and other image quality standards. Under the direction of the chief collaborator, the project team will create and manage production Master files of images.

g. Quality Review: The project team, with guidance from archives contractor, and tribal volunteers will review all digital images to verify that they are named properly and contain appropriate metadata.

h. Archiving: project leader, library team and tribal volunteers will archive image files in the museum's database and backup copies will be saved on an external hard drive system.

    i.   Hardware update: This involves replacing library's outdated public computers, purchasing public document scanners or digitization station. The library will work with Tribal Digital Village experts on equipment purchases. The digital archive records will be batch loaded at regular intervals into the LMS and records will go live in the OPAC every ten days.

- Element Two: Utilize past projects social media to engage in the tribal communities and keep stakeholders up to date.

The Thriving Library Project will allow Pauma Tribal members, neighboring Tribes, and other stakeholders to connect with historical information and traditional knowledge 24-hours a day, seven days a week, simply by doing what they already do-look at their smartphones. According to our recent survey, 92% of Tribal members over 26 years old, and 100% of youth between 15 and 26, own a smartphone. Of those, 77% of tribal members say they check social media at least daily and 100% of youth report checking it more than once per day. Currently, 63% use Facebook, 70% watch YouTube videos, 53% use Instagram, 37% Pinterest, 33% Snapchat, and 6% Twitter.

The Thriving Library Project will harness the platforms established through 2018's IMLS Enhancement Grants project known as Living Library a Facebook page, YouTube Channel, and Pinterest, Snapchat, and Twitter accounts. Updated content will be generated from the AA' Alvikat Library collection and field research to create fifteen compelling stories with links or references to the relevant library resource as the Thriving Library moves forward. These new platforms will lower the barriers to accessing information and significantly increase the number of people who regularly view and interact with AA' Alvikat Library materials to approximately 5,000 "reads" of content posts in the first year7 Ideally, it will also generate interest in materials that bring people into the library for further information and programming.

- Work with the Tribe's Education Committee to establish research themes.
- Engage Pauma's after school program children and youth in participatory research of established themes via the library's collection.
- Work with children and youth to identify specific historical and contemporary information to share.
- Visit important biological and cultural sites and to take pictures and videos.
- Interview Tribal members and other local leaders to recall important cultural and historical information.
- Summarize research findings and field studies into quality visual and audio stories of the project progress.
- Ensure content is appropriate for public release via the Education Committee; and
- Promote engagement with social media in Pauma, among neighboring Tribes, and to other stakeholders and neighbors.
- Add online resources for cultural research to the library's e-resources including Ancestry.com, myheritage.com, archives.gov, familysearch.gov and more

Not only will this process increase the knowledge base and connectivity of Pauma's children and youth, but it will also teach them critical research and technological skills that can be applied in

their academic pursuits. The project will expose them to the Library Sciences and will help to cultivate a lifelong commitment to maintaining and promoting the AA'Alvikat Library. Research has shown that a connection with one's family, history, and sense of self will increase resilience and help young people avoid the negative behaviors that haunt Native American youth and adults and offering Pauma members a better understanding their Tribe.

- Element three: engaging Pauma children, youth, and adults through in-library activities. While the use of social media is an exciting novel approach for the AA' Alvikat Library, we want to ensure that the barriers to personal interaction between Tribal members in relation to the content generated does not just exist in cyberspace. Therefore, the library will host at least four "Open House" events that will highlight the content generated by the Living Library Project. Children and youth, supported by the Education Committee and staff, will be involved in organizing and hosting the events and may include speakers, video showings, trainings, or native plant field walks around the reservation, genealogy instruction programs and speakers, and more.

Project Results.
The Pauma AA'Alvikat Library is built on the commitment to the protection Pauma and Luiseno culture and traditions. The Thriving Library is a first step in creating a long-lasting archive for the preservation of the past a protection of the future for the Pauma people. The proposed work plan is designed to improve the care and condition of objects in the collection and to increase engagement with the AA'Alvikat Library collection and create a more vibrant and resilient cultural identity through participant-led research and community engagement on social media. The expected result of the Thriving Library is that more than 50% of tribal documents will be digitized, all the artifacts will be digitized and organized. The final goal of the Thriving Library Project will be to create a workflow that is manageable and develop the professional knowledge of the library staff to complete the archiving of document by the end of 2024, even though the grant will end in March of that year. The following methods will be used to assess user knowledge and experience during the Thriving Library Project:
- Monitoring social media
The library expects to see a 300% increase in weekly online engagement through the library online catalog and archives, in-person event attendance, social media. Library expects a 200% increase in item circulation by the end of the Thriving Library Project. The information created during this project will be stored in the Soutron Global database and in an external hard drive to prevent loss.
    - The living library Project will acquire staff training to utilize Sprout Social to run analytics on the use of our social media platforms. Sprout Social is a web-based application that will allow us to look at volume of use, understand the quality of engagement and decipher popular content. These results will be shared with our Project and library staff so that we can develop posts that have impact and have an overall understanding of whether the project is achieving its goals.
- Surveying participants
    - A brief survey will be created for Open House events to assess whether the events and the overall Thriving Library Project is increasing the knowledge of tribal

members regarding library services and collections. This survey will ask tribal members to recall AA'Alvikat materials they have viewed via social media content, in-person programs, and online content and then rate the impact of the overall project on their knowledge base. Results of the surveys will be compiled to inform the project throughout implementation and as plans are made for the future.

- Embedded Facebook Surveys: Survey Monkey survey platform will be used to embed survey questions into Facebook posts or Twitter feeds. Monthly surveys will help project staff promote and monitor engagement. A final survey will be posted to assess if 100% of participants increased their knowledge of their Tribe or local Native Americans at the end of the project time.

- Aggregate user data

Using American Library Association's performance measurement tool will allow all survey and statistics to be compiled into on ease to use location capable of generating data reports that are easy to read and make sense to shareholders. The tangible result of this project will be the establishment of a digital archives infrastructure which will include a knowledgeable staff, a consistent workflow for additional items over time. This archive will be readily available to Pauma members in the library and out for generations to come. Intangible results will be a community trust in the library that their treasures and their culture will be cared for and maintained permanently.

Pauma Enhancement 2022 Project completion chart

1. Hire staff/contractor September 2022 – October 2023
2. Staff training and development September 2022 – March 2024
3. Hardware update September 2022 – October 2022
4. Condition evaluation Nov 2022 – February 2023
5. Cataloging Dec 2022 – February 2023
6. Metadata creation Dec 2022– March 2023
7. Digitize prep March 2023 – May 2023
8. Digitize May 2023 – October 2023
9. Review August 2023 – Oct 2023
10. Quality review August 2023 – March 2024
11. Archiving – September 2023 – March 2024

Event	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug
Staff dev/training	22, 23	22, 23	22, 23	22, 23	23, 24	23, 24	23, 24	23	23	23	23	23
Hire staff/contractors	22	22										
Hardware/software update	22	22										
Condition eval			22, 23	22, 23	23, 24	23, 24	23, 24	23	23	23	23	23
Catalog				22	23	23						
Metadate creation				22	23	23	23					
Digitizing prep							23	23				
Digitize								23	23			
Review	23	23										23
Quality Review	23	23	23	23	24	24	24					23
Archiving	23	23	23	23	24	24	24					

DIGITAL PRODUCT FORM

INTRODUCTION

The Institute of Museum and Library Services (IMLS) is committed to expanding public access to digital products that are created using federal funds. This includes (1) digitized and born-digital content, resources, or assets; (2) software; and (3) research data (see below for more specific examples). Excluded are preliminary analyses, drafts of papers, plans for future research, peer-review assessments, and communications with colleagues.

The digital products you create with IMLS funding require effective stewardship to protect and enhance their value, and they should be freely and readily available for use and reuse by libraries, archives, museums, and the public. Because technology is dynamic and because we do not want to inhibit innovation, we do not want to prescribe set standards and practices that could become quickly outdated. Instead, we ask that you answer questions that address specific aspects of creating and managing digital products. Like all components of your IMLS application, your answers will be used by IMLS staff and by expert peer reviewers to evaluate your application, and they will be important in determining whether your project will be funded.

INSTRUCTIONS

If you propose to create digital products in the course of your IMLS-funded project, you must first provide answers to the questions in **SECTION I: INTELLECTUAL PROPERTY RIGHTS AND PERMISSIONS.** Then consider which of the following types of digital products you will create in your project, and complete each section of the form that is applicable.

> **SECTION II: DIGITAL CONTENT, RESOURCES, OR ASSETS**
> Complete this section if your project will create digital content, resources, or assets. These include both digitized and born-digital products created by individuals, project teams, or through community gatherings during your project. Examples include, but are not limited to, still images, audio files, moving images, microfilm, object inventories, object catalogs, artworks, books, posters, curricula, field books, maps, notebooks, scientific labels, metadata schema, charts, tables, drawings, workflows, and teacher toolkits. Your project may involve making these materials available through public or access-controlled websites, kiosks, or live or recorded programs.
>
> **SECTION III: SOFTWARE**
> Complete this section if your project will create software, including any source code, algorithms, applications, and digital tools plus the accompanying documentation created by you during your project.
>
> **SECTION IV: RESEARCH DATA**
> Complete this section if your project will create research data, including recorded factual information and supporting documentation, commonly accepted as relevant to validating research findings and to supporting scholarly publications.

SECTION I: INTELLECTUAL PROPERTY RIGHTS AND PERMISSIONS

A.1 We expect applicants seeking federal funds for developing or creating digital products to release these files under open-source licenses to maximize access and promote reuse. What will be the intellectual property status of the digital products (i.e., digital content, resources, or assets; software; research data) you intend to create? What ownership rights will your organization assert over the files you intend to create, and what conditions will you impose on their access and use? Who will hold the copyright(s)? Explain and justify your licensing selections. Identify and explain the license under which you will release the files (e.g., a non-restrictive license such as BSD, GNU, MIT, Creative Commons licenses; RightsStatements.org statements). Explain and justify any prohibitive terms or conditions of use or access, and detail how you will notify potential users about relevant terms and conditions.

Original digital works created through IMLS funds will be the intellctual property of the Pauma tribe and will be openly available for viewing online for research purposes, any reproduction must be approved by Pauma tribe and any other use or display of original works will be copyrighted per argreement with digital platforms used to create and store works for future purposes. These original works will be copyrighted because much of these works are precious primary sources that could not be replaced if lost. They will be available to view online through Pauma-owned and licensed platforms including Soutron Global, Facebook, Instagram, Twitter and the tribal website. Hard copies of original created products through this grant will reporduced outside the library with permission from the tribal council.

A.2 What ownership rights will your organization assert over the new digital products and what conditions will you impose on access and use? Explain and justify any terms of access and conditions of use and detail how you will notify potential users about relevant terms or conditions.

Social media reproduction through shares, likes, comments, tagging and so on will follow copyright rules of the social media platforms. Original works created by this grant will be freely available to view online but downloads and reporduction will require tribal acknowledgement in order to protect the sovereignty of the Pauma tribe and preserve the Pauma and Luiseno culture and traditions.

A.3 If you will create any products that may involve privacy concerns, require obtaining permissions or rights, or raise any cultural sensitivities, describe the issues and how you plan to address them.

Not all works created through this grant will be available outside the library to all peoples but may be accessed in the library and destributed with expressed tribal consent. Tribal members will have special permission to view and access digital. These include digitized archives of collection items that have been donated to the library from tribal members will require special permission from the donor before creating digital items or copies.

SECTION II: DIGITAL CONTENT, RESOURCES, OR ASSETS

A.1 Describe the digital content, resources, or assets you will create or collect, the quantities of each type, and the format(s) you will use.

The goal of this grant is to create a digital archive of materials such as council meeting minutes, digital photo records of the reservation, and digital records of tribal artifacts such as baskets and pottery. These will be available online. Other digital content to be created include a digital catalog of Pauma's culture by creating custom digital original catalog records of interviews, research on Pauma, Luiseno, and southern California indians that will exist in a digital database the library will own. Other digital content to be created include calendars of tribal events, digital newletters, social media posts, library card applications, digitized records of enrollment and geneaology of the Pauma tribe. It is estimated that tens of thousands of digital items will be created through this grant.

A.2 List the equipment, software, and supplies that you will use to create the digital content, resources, or assets, or the name of the service provider that will perform the work.

Software include Soutron Global library management system, Canva, Adobe are the primary software service providers. Crowley and Zeutschel document and 3D item scanners will be used to archive documents and artifacts. The digital records will be managed by Soutron cloud-based services.

A.3 List all the digital file formats (e.g., XML, TIFF, MPEG, OBJ, DOC, PDF) you plan to use. If digitizing content, describe the quality standards (e.g., resolution, sampling rate, pixel dimensions) you will use for the files you will create.

JPG or JPEG for photos, MPG, MP$ or MOV for videos, all images will be 12 megapixels or better and all video will be captured in HD

Workflow and Asset Maintenance/Preservation

B.1 Describe your quality control plan. How will you monitor and evaluate your workflow and products?

The project manager will oversee the quality control of digitization activity, final approval of the workflow will be granted through the Pauma tribe's Education committee. Volunteers and staff will recieve extensive and frequent trainings on archival best practices and any archives technique changes and updates.

B.2 Describe your plan for preserving and maintaining digital assets during and after the award period. Your plan should address storage systems, shared repositories, technical documentation, migration planning, and commitment of organizational funding for these purposes. Please note: You may charge the federal award before closeout for the costs of publication or sharing of research results if the costs are not incurred during the period of performance of the federal award (see 2 C.F.R. § 200.461).

The goal of this grant is to establish a workflows and best practices for preserving Pauma archives through use of a Soutron Global's cloud-based library and archives management. This grant will allow the library to acquire new software and other system necessary to establish and an archives policy and procedure that will continue long after the grant term has ended. The library will not use any type of shared repository because this is a stand alone library and does not have any branches or department that will need access to the digital files. Soutron Global agreement with Pauma would have data migrated to the new platform within three months. Soutron Global is prepared to begin this migration as early as June so the new system is operational by September 1st. Any technical documentation will be provided by Soutron Global as will training on professional and public facing use of the new system. Soutron Global is based in San Diego and can be onsite for training if needed.

Metadata

C.1 Describe how you will produce any and all technical, descriptive, administrative, or preservation metadata or linked data. Specify which standards or data models you will use for the metadata structure (e.g., RDF, BIBFRAME, Dublin Core, Encoded Archival Description, PBCore, PREMIS) and metadata content (e.g., thesauri).

Digital cataloging of circulating library items will continue to use RDA formatting. Digital archive records will use Dublin Core schema model. The staff and volunteers will attend trainging and workshops at state and local colleges thanks to the IMLS funding. Doublin Core will be used because it is the same system University of California archives systems use and this will provide ongoing training and support past the grant term. Once a workflow has been established and approved by the tribe's Education committee it will be put in place all staff and volunteers involved with digitizing archives will be trained on Dublin Core and this projects workflow.

C.2 Explain your strategy for preserving and maintaining metadata created or collected during and after the award period of performance.

This grant will fund the transition and data migration from the existing catalog system, Mandarin, to the new platform customized and supported by Soutron Global. Soutron Global is a niche library and archives management system that specializes in small and heritage collection libraries. This will be a cloud-based storage system that will be constantly backed up and kept up-to-date for the foreseeable future. The data will also be preserved through an external har drive the library already owns, a new hard drive will not need to be purchased. The cost of the first year of service is $10,000 and the grant is necessary to cover this cost. However, for years beyond the grant the cost maintain service is half of the start up cost making this service easier to maintain than to start.

C.3 Explain what metadata sharing and/or other strategies you will use to facilitate widespread discovery and use of the digital content, resources, or assets created during your project (e.g., an API [Application Programming Interface], contributions to a digital platform, or other ways you might enable batch queries and retrieval of metadata).

The library management system that Soutron Global will provide will act as a catalog resources and as a library website that will link all library and even tribal services to one locattion. This new platform will then be linked to the Pauma tribal website at www.paumatribe.com, posted on social media pages. Information about the new library site will be distributed at council meetings. Currently the Mandarin system does not participate in inter-library loans and cannot be easily searched or located through major platforms or other libraries. Mandarin also does not have archive record formatting and is not easy to navigate. Soutron Global has a world-wide interface for its archival institutions and has a landing page that can be used to search archives and library catalogs as easy as Google.

Access and Use

D.1 Describe how you will make the digital content, resources, or assets available to the public. Include details such as the delivery strategy (e.g., openly available online, available to specified audiences) and underlying hardware/software platforms and infrastructure (e.g., specific digital repository software or leased services, accessibility via standard web browsers, requirements for special software tools in order to use the content, delivery enabled by IIIF specifications).

The new system will allow the Pauma tribe to discern which items can be openly available online, including easily replaced library catalog items and digitized archives that are protected on sight, and which records and works are available to tribal members, these include Council business and meeting minutes.
Digitize records of meeting minutes and the like will create a searchable database of tribal business which can be essential for tribal members who no longer live on or near the resevation but are still invested in tribal business. Owenership of these items will remain with the tribe. The new system will be compatable with all internet platforms, and will require no special tools or software. The grant will cover the cost of updating the library's public computers to the latest operating systems as well as installing DeepFreeze security to protect the computers, the users, and the records.

D.2. Provide the name(s) and URL(s) (Universal Resource Locator), DOI (Digital Object Identifier), or other persistent identifier for any examples of previous digital content, resources, or assets your organization has created.

This organization has not yet created any digital content previously, however the tribal website is available at www.paumatribe.com/library, the current online catalog is found at https://paumatribe.mlasolutions.com. Examples of current Soutron Global-supported libraries can be found at https://jcch.soutronglobal.net/Portal/Default/en-GB/Search/SimpleSearch and https://wiener.soutron.net/Portal/default/en-gb/search/simplesearch as examples of their current work with special collections.

SECTION III: SOFTWARE

General Information

A.1 Describe the software you intend to create, including a summary of the major functions it will perform and the intended primary audience(s) it will serve.

This grant will not create any software.

A.2 List other existing software that wholly or partially performs the same or similar functions, and explain how the software you intend to create is different, and justify why those differences are significant and necessary.

NA

Technical Information

B.1 List the programming languages, platforms, frameworks, software, or other applications you will use to create your software and explain why you chose them.

This program will not create and programming languages, frameworks, software or other applications.

B.2 Describe how the software you intend to create will extend or interoperate with relevant existing software.

The library does not intend to create any software.

B.3 Describe any underlying additional software or system dependencies necessary to run the software you intend to create.

NA

B.4 Describe the processes you will use for development, documentation, and for maintaining and updating documentation for users of the software.

B.5 Provide the name(s), URL(s), and/or code repository locations for examples of any previous software your organization has created.

NA

A.2 Does the proposed data collection or research activity require approval by any internal review panel or institutional review board (IRB)? If so, has the proposed research activity been approved? If not, what is your plan for securing approval?

NA

A.3 Will you collect any sensitive information? This may include personally identifiable information (PII), confidential information (e.g., trade secrets), or proprietary information. If so, detail the specific steps you will take to protect the information while you prepare it for public release (e.g., anonymizing individual identifiers, data aggregation). If the data will not be released publicly, explain why the data cannot be shared due to the protection of privacy, confidentiality, security, intellectual property, and other rights or requirements.

NA

A.4 What technical (hardware and/or software) requirements or dependencies would be necessary for understanding retrieving, displaying, processing, or otherwise reusing the data?

NA

A.5 What documentation (e.g., consent agreements, data documentation, codebooks, metadata, and analytical and procedural information) will you capture or create along with the data? Where will the documentation be stored and in what format(s)? How will you permanently associate and manage the documentation with the data it describes to enable future reuse?

NA

A.6 What is your plan for managing, disseminating, and preserving data after the completion of the award-funded project?

NA

A.7 Identify where you will deposit the data:

Name of repository:

NA

URL:

NA

A.8 When and how frequently will you review this data management plan? How will the implementation be monitored?

NA

Access and Use

C.1 Describe how you will make the software and source code available to the public and/or its intended users.

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NA
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C.2 Identify where you will deposit the source code for the software you intend to develop:

Name of publicly accessible source code repository:

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NA
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URL:

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NA
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SECTION IV: RESEARCH DATA

As part of the federal government's commitment to increase access to federally funded research data, Section IV represents the Data Management Plan (DMP) for research proposals and should reflect data management, dissemination, and preservation best practices in the applicant's area of research appropriate to the data that the project will generate.

A.1 Identify the type(s) of data you plan to collect or generate, and the purpose or intended use(s) to which you expect them to be put. Describe the method(s) you will use, the proposed scope and scale, and the approximate dates or intervals at which you will collect or generate data.

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This project does not intend to create, collect or generate any data for any research purposes.
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