

National Science Foundation (nsf.gov): NSF Generic DMSP Webform (2026 Update - Research.gov mirror)

Set up your Data or Research Product Categories

Select the broad categories that best fits the data or research product. If the appropriate category is not available, select 'Add New' (last option) and provide a title and short description for the custom entry. The selection will also determine the options displayed in the 'Data Standards and Metadata' and 'Public Archiving' sections.

How many user-defined (i.e., "Add New") Data and Research Product Categories do you want to include for this plan?

- 0 categories (Justify why the project will not product outputs below)
- 1 category
- 2 categories
- 3 categories
- 4 categories

Guidance:

Each distinct category should receive its own entry. Please note that this does not require that each dataset or type of data receive its own entry. Rather, it is sufficient simply to specify each high-level category. For example, many data categories may incorporate several different types of data that are all aligned for the purposes of the project. This organization may vary by field and even by project.

Investigators are expected to publicly share, at no more than incremental cost and within a reasonable time, the primary data, samples, physical collections, software, inventions, curriculum material, and other supporting materials created or gathered in the course of work under NSF awards. Investigators and recipients are encouraged to share software and inventions created under the award or otherwise make them or their products widely available and usable.

DMP Tool Note: You will answer the follow-up questions based on each individual category. Select the number of times you would "Add New" in Research.gov, as this version of the form has no categories to start with. As you select your response, the DMP Tool will hide the correct number of Sections in the DMSP so that you answer the right number of sections. If you have none, you can use the Additional Information box to justify why a full DMSP is not needed for this project.

Example Answer:

Examples of broad categories of outputs include "Non-human MRI data," "Computer model," and "Human behavioral data," among others, and you will

specify them in the sections below. Each category can contain multiple independent datasets or products. These are data and software outputs that will be generated by your proposal, or outputs that will be re-used if already created.

Data or Research Product Category #1

Title of Data or Research Product Category

Guidance:

Title (required) should be the most commonly used term in your field for this data or research product category.

Example Answer:

Examples include "Non-human MRI data," "Computer model," and "Human behavioral data," among others; these are broad categories of outputs rather than single datasets.

Description of Data or Research Product Category

Guidance:

A short description (required) for any custom entry. PIs should provide additional detail about the category that they feel is necessary. Keep in mind that for predefined options, little additional detail may be necessary.

Access Policies and Limitations: Select up to six exceptions or limitations explaining why data or research products in this category will not be publicly shared. Selections may include legal, privacy, ethical, technical, confidentiality, security, or intellectual property concerns, as well as restrictions from data use agreements or IRB requirements. If your exception isn't listed in the dropdown, select 'Add New' (last option) to enter one custom option. Unless 'Not Applicable' is selected, an explanation and justification of the concern must be provided below.

- Not Applicable (if you select this, do not select any others.)
- Data Sovereignty: Considerations related to ownership of data by independent sovereign groups, such as Native American tribes, and any related data use agreements
- Dual Use Concerns: Considerations related to the potential misuse of shared data for purposes that might harm individual human rights or the national interest
- Human Data Protection: Considerations related to the protection of human data sources and respect for their individual rights, including but not limited to breaches of their privacy, exposure to harm or bias, and data use agreements such as consent forms
- Legal Considerations: Considerations arising from preexisting agreements, laws, or regulations that may limit data sharing, including but not limited to: international treaties, commercial data use agreements, protected health information (HIPAA)
- National Competitiveness: Considerations related to the potential of shared data to harm US security or economic interests, such as technologies that if shared would

- diminish US competitiveness
- **Natural Resource Protection:** Considerations related to the potential of shared data (e.g., geolocation) to harm critical natural resources, including but not limited to endangered species, natural wonders, and critical resources
- **Resource Limitations:** Considerations related to the resources needed to enable full data sharing, including but not limited to computing costs, necessary personnel, and the lack of available repositories
- **Add New:** Add a user-defined access limitation or exception

Guidance:

Please ensure any applicable Directorate- or solicitation-specific guidance regarding appropriate exceptions. Privileged or confidential information should be released only in a form that protects the privacy of individuals and subjects involved. Exceptions to this sharing requirement may be requested by the recipient to, for example, safeguard the privacy and rights of individuals and subjects, the validity of results, the integrity of collections, or to accommodate the legitimate interest of investigators.

NSF normally allows recipients to retain principal legal rights to intellectual property developed under NSF awards to provide incentives for development and dissemination of inventions, software and publications that can enhance their usefulness, accessibility, and upkeep. However, whenever such incentives are not deemed pertinent, such material should be assigned permissive licenses that allow for public reuse. Further, these incentives do not reduce the responsibility that investigators and organizations have as members of the scientific and engineering community, to make results, data, and collections available to other researchers.

DMP Tool note: In Research.gov, you can either select Not Applicable or enter up to 6 exceptions. If you select Add New, you will also have a field to write in what that limitation is. Use the "Additional Information" box for Explanation(s) and Justification(s) of Concern(s) (required), as well as for writing in the limitation if you selected "Add new"

Data Standards and Metadata: Specify the data and metadata standard(s) that will be used by selecting an option or using 'Add New' (last option). Options displayed are based on the Data or Research Product Category selection above.

Guidance:

For each data or research product category, PIs should use this section to provide information about the format and/or metadata associated with the shared product. Many data or research product categories already have formatting standards and those should be specified here. If such a standard is not available, then the DMSP should specify relevant data formatting information as appropriate. Datasets should possess a minimum set of descriptive metadata elements as specified in the annual project reporting requirements.

DMP Tool Note: In the generic version of the form, there are no pre-defined options, so you must select Add New and then write in the data/metadata standard you plan to use, and then can optionally add additional details.

Data or Research Product Provenance: This field provides details regarding the source of the data and research products in this category (e.g., new data collection, existing dataset, existing data resource) or by selecting 'Add New' (last option) to provide a custom option.

- Existing Data Resource: Any data that will be drawn from an existing large-scale data resource (e.g., census data, climate databases). Please specify the data resource in the provided text field.
- Existing Dataset: Any data that has already been collected and will be reused in the current project, generally existing shared data.
- New Data Collection: Any data that is expected to be newly generated by the proposed project.
- Add New: Add a user-defined data or research product source

Guidance:

For each data or research product category, PIs should use this section to provide information about the source of data or research products associated with the category. In many cases, the source of the data will be a “New Data Collection” managed by the researcher, though there are other cases (e.g., data reuse, shared facility).

DMP Tool Note:

- If it is an existing resource or dataset, enter the Preexisting Resource Name in the Additional Information box.
- If you selected Add New, enter the new data source name there.
- You may also use that space for any extra optional additional details

Public Archiving: Specify where the data or research products in this category will be made available by selecting an option or using 'Add New' (last option). In most cases, this will be an online repository. Options displayed are based on the Data or Research Product Category selection above.

Guidance:

For each data or research product category, PIs should use this section to provide information about where data or research products associated with this category will be shared (If applicable). In many cases for digital data, this sharing will be via an online repository.

In the title, PIs should either select a title that matches well with the sharing location (e.g., repository title) or provide such a title through the “Add New” mechanism if one is not available. Note that sharing through institutional resources (e.g., lab webpages) can be denoted as “Institutional Repository” through “Add New” if needed.

In the description, PIs should provide any additional detail about the location that they feel is necessary. Keep in mind that for common options, little additional detail may be necessary.

DMP Tool Note: In the generic version of the form, there are no options, so you must select Add New in the form and then write in the repository you plan to use, and then can optionally add additional details.

Timeline for Public Accessibility: Provide the anticipated timeline at which this data or research products in this category will be shared, or select 'Not Applicable' if it will not be shared. If the anticipated timeline is not listed in the dropdown, select 'Add New' (last option) to provide details.

- Not Applicable
- At time of collection
- At time of publication
- Less than 6 months after publication
- Less than 1 year after publication
- Within 2 years after collection
- By the end of the award
- Add New (describe below)

Guidance:

Recipients are required to share all data supporting NSF funded publications **at the time of publication**. Exceptions to this sharing requirement must be described and justified within the DMSP. PIs are responsible for confirming that the selections they make are consistent with data management and sharing guidance for the unit of consideration for the proposal.

In cases where there is some complexity in the intended sharing timeline (e.g., different timelines for different subsets of data within the category), then the “Add New” mechanism may be the best way to address this subtlety.

Data Availability: Specify how long the data or research products in this category will be made available. Select the longest applicable period. If the duration is not listed in the dropdown, select 'Add New' (last option) to provide detail.

- Not Applicable
- Less than 2 years
- At least 2 years
- At least 3 years
- At least 5 years
- At least 10 years
- Indefinitely
- Add New (describe below)

Guidance:

For each data or research product category, PIs should use this section to provide information about the duration for which data or research products associated with this category will be retained (If applicable). In many cases, the retention duration will be determined by the policies of the repository. If that is the case, the radio

button for that option should be selected and no further information is required. If no such policy is applicable, then the researcher can provide the information via the usual pulldown and “Add New” mechanism.

If the availability of the data is less than **two years after project completion**, a justification must be provided.

Will you adhere to the standard retention policy of the chosen repository, if applicable?

- Yes
- No (explain below)
- Not Applicable (repository does not have a standard retention policy)

Guidance:

If you answer No, please provide a justification for deviating from the standard retention policy.

Accountability: Select the PI or co-PI who will be responsible for ensuring this category of data or research product is managed and shared according to the specified approach.

Guidance:

For each data or research product category, PI or co-PI should use this section to provide information about who among the Senior Personnel will be responsible for the sharing of data or research products associated with the category. In this case the available options (i.e., the Senior Personnel associated with the project) are prepopulated from the proposal itself. When on Research.gov: Add personnel from Manage Personnel and Subaward Organizations to populate the Responsible Personnel dropdown. For separately submitted collaborative proposals, non-lead proposals must be linked for the personnel to display in the dropdown.

DMP Tool Note: This tool cannot pre-populate names, so write in the relevant name here.

Data or Research Product Category #2

Title of Data or Research Product Category

Guidance:

Title (required) should be the most commonly used term in your field for this data or research product category.

Example Answer:

Examples include "Non-human MRI data," "Computer model," and "Human behavioral data," among others; these are broad categories of outputs rather than single datasets.

Description of Data or Research Product Category

Guidance:

A short description (required) for any custom entry. PIs should provide additional detail about the category that they feel is necessary. Keep in mind that for predefined options, little additional detail may be necessary.

Access Policies and Limitations: Select up to six exceptions or limitations explaining why data or research products in this category will not be publicly shared. Selections may include legal, privacy, ethical, technical, confidentiality, security, or intellectual property concerns, as well as restrictions from data use agreements or IRB requirements. If your exception isn't listed in the dropdown, select 'Add New' (last option) to enter one custom option. Unless 'Not Applicable' is selected, an explanation and justification of the concern must be provided below.

- Not Applicable (if you select this, do not select any others.)
- Data Sovereignty: Considerations related to ownership of data by independent sovereign groups, such as Native American tribes, and any related data use agreements
- Dual Use Concerns: Considerations related to the potential misuse of shared data for purposes that might harm individual human rights or the national interest
- Human Data Protection: Considerations related to the protection of human data sources and respect for their individual rights, including but not limited to breaches of their privacy, exposure to harm or bias, and data use agreements such as consent forms
- Legal Considerations: Considerations arising from preexisting agreements, laws, or regulations that may limit data sharing, including but not limited to: international treaties, commercial data use agreements, protected health information (HIPAA)
- National Competitiveness: Considerations related to the potential of shared data to harm US security or economic interests, such as technologies that if shared would diminish US competitiveness
- Natural Resource Protection: Considerations related to the potential of shared data (e.g., geolocation) to harm critical natural resources, including but not limited to endangered species, natural wonders, and critical resources
- Resource Limitations: Considerations related to the resources needed to enable full data sharing, including but not limited to computing costs, necessary personnel, and the lack of available repositories
- Add New: Add a user-defined access limitation or exception

Guidance:

Please ensure any applicable Directorate- or solicitation-specific guidance regarding appropriate exceptions. Privileged or confidential information should be released only in a form that protects the privacy of individuals and subjects involved. Exceptions to this sharing requirement may be requested by the recipient to, for example, safeguard the privacy and rights of individuals and subjects, the validity of results, the integrity of collections, or to accommodate the legitimate interest of investigators.

NSF normally allows recipients to retain principal legal rights to intellectual property developed under NSF awards to provide incentives for development and dissemination of inventions, software and publications that can enhance their usefulness, accessibility, and upkeep. However, whenever such incentives are not deemed pertinent, such material should be assigned permissive licenses that allow for public reuse. Further, these incentives do not reduce the responsibility that investigators and organizations have as members of the scientific and engineering community, to make results, data, and collections available to other researchers.

DMP Tool note: In Research.gov, you can either select Not Applicable or enter up to 6 exceptions. If you select Add New, you will also have a field to write in what that limitation is. Use the "Additional Information" box for Explanation(s) and Justification(s) of Concern(s) (required), as well as for writing in the limitation if you selected "Add new"

Data Standards and Metadata: Specify the data and metadata standard(s) that will be used by selecting an option or using 'Add New' (last option). Options displayed are based on the Data or Research Product Category selection above.

Guidance:

For each data or research product category, PIs should use this section to provide information about the format and/or metadata associated with the shared product. Many data or research product categories already have formatting standards and those should be specified here. If such a standard is not available, then the DMSP should specify relevant data formatting information as appropriate. Datasets should possess a minimum set of descriptive metadata elements as specified in the annual project reporting requirements.

DMP Tool Note: In the generic version of the form, there are no pre-defined options, so you must select Add New and then write in the data/metadata standard you plan to use, and then can optionally add additional details.

Data or Research Product Provenance: This field provides details regarding the source of the data and research products in this category (e.g., new data collection, existing dataset, existing data resource) or by selecting 'Add New' (last option) to provide a custom option.

- Existing Data Resource: Any data that will be drawn from an existing large-scale data resource (e.g., census data, climate databases). Please specify the data resource in the provided text field.
- Existing Dataset: Any data that has already been collected and will be reused in the current project, generally existing shared data.
- New Data Collection: Any data that is expected to be newly generated by the proposed project.
- Add New: Add a user-defined data or research product source

Guidance:

For each data or research product category, PIs should use this section to provide information about the source of data or research products associated with the category. In many cases, the source of the data will be a "New Data Collection"

managed by the researcher, though there are other cases (e.g., data reuse, shared facility).

DMP Tool Note:

- If it is an existing resource or dataset, enter the Preexisting Resource Name in the Additional Information box
- If you selected Add New, enter the new data source name there
- You may also use that space for any extra optional additional details

Public Archiving: Specify where the data or research products in this category will be made available by selecting an option or using 'Add New' (last option). In most cases, this will be an online repository. Options displayed are based on the Data or Research Product Category selection above.

Guidance:

For each data or research product category, PIs should use this section to provide information about where data or research products associated with this category will be shared (If applicable). In many cases for digital data, this sharing will be via an online repository.

In the title, PIs should either select a title that matches well with the sharing location (e.g., repository title) or provide such a title through the “Add New” mechanism if one is not available. Note that sharing through institutional resources (e.g., lab webpages) can be denoted as “Institutional Repository” through “Add New” if needed.

In the description, PIs should provide any additional detail about the location that they feel is necessary. Keep in mind that for common options, little additional detail may be necessary.

DMP Tool Note: In the generic version of the form, there are no options, so you must select Add New in the form and then write in the repository you plan to use, and then can optionally add additional details.

Timeline for Public Accessibility: Provide the anticipated timeline at which this data or research products in this category will be shared, or select 'Not Applicable' if it will not be shared. If the anticipated timeline is not listed in the dropdown, select 'Add New' (last option) to provide details.

- Not Applicable
- At time of collection
- At time of publication
- Less than 6 months after publication
- Less than 1 year after publication
- Within 2 years after collection
- By the end of the award
- Add New (describe below)

Guidance:

Recipients are required to share all data supporting NSF funded publications **at the time of publication**. Exceptions to this sharing requirement must be described and justified within the DMSP. PIs are responsible for confirming that the selections they make are consistent with data management and sharing guidance for the unit of consideration for the proposal.

In cases where there is some complexity in the intended sharing timeline (e.g., different timelines for different subsets of data within the category), then the “Add New” mechanism may be the best way to address this subtlety.

Data Availability: Specify how long the data or research products in this category will be made available. Select the longest applicable period. If the duration is not listed in the dropdown, select 'Add New' (last option) to provide detail.

- Not Applicable
- Less than 2 years
- At least 2 years
- At least 3 years
- At least 5 years
- At least 10 years
- Indefinitely
- Add New (describe below)

Guidance:

For each data or research product category, PIs should use this section to provide information about the duration for which data or research products associated with this category will be retained (If applicable). In many cases, the retention duration will be determined by the policies of the repository. If that is the case, the radio button for that option should be selected and no further information is required. If no such policy is applicable, then the researcher can provide the information via the usual pulldown and “Add New” mechanism.

If the availability of the data is less than **two years after project completion**, a justification must be provided.

Will you adhere to the standard retention policy of the chosen repository, if applicable?

- Yes
- No (explain below)
- Not Applicable (repository does not have a standard retention policy)

Guidance:

If you answer No, please provide a justification for deviating from the standard retention policy.

Accountability: Select the PI or co-PI who will be responsible for ensuring this category of data or research product is managed and shared according to the specified approach.

Guidance:

For each data or research product category, PI or co-PI should use this section to provide information about who among the Senior Personnel will be responsible for the sharing of data or research products associated with the category. In this case the available options (i.e., the Senior Personnel associated with the project) are prepopulated from the proposal itself.

When on Research.gov: Add personnel from Manage Personnel and Subaward Organizations to populate the Responsible Personnel dropdown. For separately submitted collaborative proposals, non-lead proposals must be linked for the personnel to display in the dropdown.

DMP Tool Note: This tool cannot pre-populate names, so write in the relevant name here.

Data or Research Product Category #3

Title of Data or Research Product Category

Guidance:

Title (required) should be the most commonly used term in your field for this data or research product category.

Example Answer:

Examples include "Non-human MRI data," "Computer model," and "Human behavioral data," among others; these are broad categories of outputs rather than single datasets.

Description of Data or Research Product Category

Guidance:

A short description (required) for any custom entry. PIs should provide additional detail about the category that they feel is necessary. Keep in mind that for predefined options, little additional detail may be necessary.

Access Policies and Limitations: Select up to six exceptions or limitations explaining why data or research products in this category will not be publicly shared. Selections may include legal, privacy, ethical, technical, confidentiality, security, or intellectual property concerns, as well as restrictions from data use agreements or IRB requirements. If your exception isn't listed in the dropdown, select 'Add New' (last option) to enter one custom option. Unless 'Not Applicable' is selected, an explanation and justification of the concern must be provided below.

- Not Applicable (if you select this, do not select any others.)
- Data Sovereignty: Considerations related to ownership of data by independent sovereign groups, such as Native American tribes, and any related data use agreements
- Dual Use Concerns: Considerations related to the potential misuse of shared data for purposes that might harm individual human rights or the national interest
- Human Data Protection: Considerations related to the protection of human data sources and respect for their individual rights, including but not limited to

breaches of their privacy, exposure to harm or bias, and data use agreements such as consent forms

- Legal Considerations: Considerations arising from preexisting agreements, laws, or regulations that may limit data sharing, including but not limited to: international treaties, commercial data use agreements, protected health information (HIPAA)
- National Competitiveness: Considerations related to the potential of shared data to harm US security or economic interests, such as technologies that if shared would diminish US competitiveness
- Natural Resource Protection: Considerations related to the potential of shared data (e.g., geolocation) to harm critical natural resources, including but not limited to endangered species, natural wonders, and critical resources
- Resource Limitations: Considerations related to the resources needed to enable full data sharing, including but not limited to computing costs, necessary personnel, and the lack of available repositories
- Add New: Add a user-defined access limitation or exception

Guidance:

Please ensure any applicable Directorate- or solicitation-specific guidance regarding appropriate exceptions. Privileged or confidential information should be released only in a form that protects the privacy of individuals and subjects involved. Exceptions to this sharing requirement may be requested by the recipient to, for example, safeguard the privacy and rights of individuals and subjects, the validity of results, the integrity of collections, or to accommodate the legitimate interest of investigators.

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DMP Tool note: In Research.gov, you can either select Not Applicable or enter up to 6 exceptions. If you select Add New, you will also have a field to write in what that limitation is. Use the "Additional Information" box for Explanation(s) and Justification(s) of Concern(s) (required), as well as for writing in the limitation if you selected "Add new"

Data Standards and Metadata: Specify the data and metadata standard(s) that will be used by selecting an option or using 'Add New' (last option). Options displayed are based on the Data or Research Product Category selection above.

Guidance:

For each data or research product category, PIs should use this section to provide information about the format and/or metadata associated with the shared product. Many data or research product categories already have formatting standards and

those should be specified here. If such a standard is not available, then the DMSP should specify relevant data formatting information as appropriate. Datasets should possess a minimum set of descriptive metadata elements as specified in the annual project reporting requirements.

DMP Tool Note: In the generic version of the form, there are no pre-defined options, so you must select Add New and then write in the data/metadata standard you plan to use, and then can optionally add additional details.

Data or Research Product Provenance: This field provides details regarding the source of the data and research products in this category (e.g., new data collection, existing dataset, existing data resource) or by selecting 'Add New' (last option) to provide a custom option.

- Existing Data Resource: Any data that will be drawn from an existing large-scale data resource (e.g., census data, climate databases). Please specify the data resource in the provided text field.
- Existing Dataset: Any data that has already been collected and will be reused in the current project, generally existing shared data.
- New Data Collection: Any data that is expected to be newly generated by the proposed project.
- Add New: Add a user-defined data or research product source

Guidance:

For each data or research product category, PIs should use this section to provide information about the source of data or research products associated with the category. In many cases, the source of the data will be a “New Data Collection” managed by the researcher, though there are other cases (e.g., data reuse, shared facility).

DMP Tool Note:

- If it is an existing resource or dataset, enter the Preexisting Resource Name in the Additional Information box.
- If you selected Add New, enter the new data source name there.
- You may also use that space for any extra optional additional details

Public Archiving: Specify where the data or research products in this category will be made available by selecting an option or using 'Add New' (last option). In most cases, this will be an online repository. Options displayed are based on the Data or Research Product Category selection above.

Guidance:

For each data or research product category, PIs should use this section to provide information about where data or research products associated with this category will be shared (If applicable). In many cases for digital data, this sharing will be via an online repository.

In the title, PIs should either select a title that matches well with the sharing location (e.g., repository title) or provide such a title through the “Add New”

mechanism if one is not available. Note that sharing through institutional resources (e.g., lab webpages) can be denoted as “Institutional Repository” through “Add New” if needed.

In the description, PIs should provide any additional detail about the location that they feel is necessary. Keep in mind that for common options, little additional detail may be necessary.

DMP Tool Note: In the generic version of the form, there are no options, so you must select Add New in the form and then write in the repository you plan to use, and then can optionally add additional details.

Timeline for Public Accessibility: Provide the anticipated timeline at which this data or research products in this category will be shared, or select 'Not Applicable' if it will not be shared. If the anticipated timeline is not listed in the dropdown, select 'Add New' (last option) to provide details.

- Not Applicable
- At time of collection
- At time of publication
- Less than 6 months after publication
- Less than 1 year after publication
- Within 2 years after collection
- By the end of the award
- Add New (describe below)

Guidance:

Recipients are required to share all data supporting NSF funded publications **at the time of publication**. Exceptions to this sharing requirement must be described and justified within the DMSP. PIs are responsible for confirming that the selections they make are consistent with data management and sharing guidance for the unit of consideration for the proposal.

In cases where there is some complexity in the intended sharing timeline (e.g., different timelines for different subsets of data within the category), then the “Add New” mechanism may be the best way to address this subtlety.

Data Availability: Specify how long the data or research products in this category will be made available. Select the longest applicable period. If the duration is not listed in the dropdown, select 'Add New' (last option) to provide detail.

- Not Applicable
- Less than 2 years
- At least 2 years
- At least 3 years
- At least 5 years
- At least 10 years
- Indefinitely
- Add New (describe below)

Guidance:

For each data or research product category, PIs should use this section to provide information about the duration for which data or research products associated with this category will be retained (If applicable). In many cases, the retention duration will be determined by the policies of the repository. If that is the case, the radio button for that option should be selected and no further information is required. If no such policy is applicable, then the researcher can provide the information via the usual pulldown and “Add New” mechanism.

If the availability of the data is less than **two years after project completion**, a justification must be provided.

Will you adhere to the standard retention policy of the chosen repository, if applicable?

- Yes
- No (explain below)
- Not Applicable (repository does not have a standard retention policy)

Guidance:

If you answer No, please provide a justification for deviating from the standard retention policy.

Accountability: Select the PI or co-PI who will be responsible for ensuring this category of data or research product is managed and shared according to the specified approach.

Guidance:

For each data or research product category, PI or co-PI should use this section to provide information about who among the Senior Personnel will be responsible for the sharing of data or research products associated with the category. In this case the available options (i.e., the Senior Personnel associated with the project) are prepopulated from the proposal itself. When on Research.gov: Add personnel from Manage Personnel and Subaward Organizations to populate the Responsible Personnel dropdown. For separately submitted collaborative proposals, non-lead proposals must be linked for the personnel to display in the dropdown.

DMP Tool Note: This tool cannot pre-populate names, so write in the relevant name here.

Data or Research Product Category #4

Title of Data or Research Product Category

Guidance:

Title (required) should be the most commonly used term in your field for this data or research product category.

Example Answer:

Examples include "Non-human MRI data," "Computer model," and "Human behavioral data," among others; these are broad categories of outputs rather than single datasets.

Description of Data or Research Product Category

Guidance:

A short description (required) for any custom entry. PIs should provide additional detail about the category that they feel is necessary. Keep in mind that for predefined options, little additional detail may be necessary.

Access Policies and Limitations: Select up to six exceptions or limitations explaining why data or research products in this category will not be publicly shared. Selections may include legal, privacy, ethical, technical, confidentiality, security, or intellectual property concerns, as well as restrictions from data use agreements or IRB requirements. If your exception isn't listed in the dropdown, select 'Add New' (last option) to enter one custom option. Unless 'Not Applicable' is selected, an explanation and justification of the concern must be provided below.

- Not Applicable (if you select this, do not select any others.)
- Data Sovereignty: Considerations related to ownership of data by independent sovereign groups, such as Native American tribes, and any related data use agreements
- Dual Use Concerns: Considerations related to the potential misuse of shared data for purposes that might harm individual human rights or the national interest
- Human Data Protection: Considerations related to the protection of human data sources and respect for their individual rights, including but not limited to breaches of their privacy, exposure to harm or bias, and data use agreements such as consent forms
- Legal Considerations: Considerations arising from preexisting agreements, laws, or regulations that may limit data sharing, including but not limited to: international treaties, commercial data use agreements, protected health information (HIPAA)
- National Competitiveness: Considerations related to the potential of shared data to harm US security or economic interests, such as technologies that if shared would diminish US competitiveness
- Natural Resource Protection: Considerations related to the potential of shared data (e.g., geolocation) to harm critical natural resources, including but not limited to endangered species, natural wonders, and critical resources
- Resource Limitations: Considerations related to the resources needed to enable full data sharing, including but not limited to computing costs, necessary personnel, and the lack of available repositories
- Add New: Add a user-defined access limitation or exception

Guidance:

Please ensure any applicable Directorate- or solicitation-specific guidance regarding appropriate exceptions. Privileged or confidential information should be released only in a form that protects the privacy of individuals and subjects

involved. Exceptions to this sharing requirement may be requested by the recipient to, for example, safeguard the privacy and rights of individuals and subjects, the validity of results, the integrity of collections, or to accommodate the legitimate interest of investigators.

NSF normally allows recipients to retain principal legal rights to intellectual property developed under NSF awards to provide incentives for development and dissemination of inventions, software and publications that can enhance their usefulness, accessibility, and upkeep. However, whenever such incentives are not deemed pertinent, such material should be assigned permissive licenses that allow for public reuse. Further, these incentives do not reduce the responsibility that investigators and organizations have as members of the scientific and engineering community, to make results, data, and collections available to other researchers.

DMP Tool note: In Research.gov, you can either select Not Applicable or enter up to 6 exceptions. If you select Add New, you will also have a field to write in what that limitation is. Use the "Additional Information" box for Explanation(s) and Justification(s) of Concern(s) (required), as well as for writing in the limitation if you selected "Add new."

Data Standards and Metadata: Specify the data and metadata standard(s) that will be used by selecting an option or using 'Add New' (last option). Options displayed are based on the Data or Research Product Category selection above.

Guidance:

For each data or research product category, PIs should use this section to provide information about the format and/or metadata associated with the shared product. Many data or research product categories already have formatting standards and those should be specified here. If such a standard is not available, then the DMSF should specify relevant data formatting information as appropriate. Datasets should possess a minimum set of descriptive metadata elements as specified in the annual project reporting requirements.

DMP Tool Note: In the generic version of the form, there are no pre-defined options, so you must select Add New and then write in the data/metadata standard you plan to use, and then can optionally add additional details.

Data or Research Product Provenance: This field provides details regarding the source of the data and research products in this category (e.g., new data collection, existing dataset, existing data resource) or by selecting 'Add New' (last option) to provide a custom option.

- Existing Data Resource: Any data that will be drawn from an existing large-scale data resource (e.g., census data, climate databases). Please specify the data resource in the provided text field.
- Existing Dataset: Any data that has already been collected and will be reused in the current project, generally existing shared data.
- New Data Collection: Any data that is expected to be newly generated by the proposed project.
- Add New: Add a user-defined data or research product source

Guidance:

For each data or research product category, PIs should use this section to provide information about the source of data or research products associated with the category. In many cases, the source of the data will be a “New Data Collection” managed by the researcher, though there are other cases (e.g., data reuse, shared facility).

DMP Tool Note:

- If it is an existing resource or dataset, enter the Preexisting Resource Name in the Additional Information box
- If you selected Add New, enter the new data source name there
- You may also use that space for any extra optional additional details

Public Archiving: Specify where the data or research products in this category will be made available by selecting an option or using 'Add New' (last option). In most cases, this will be an online repository. Options displayed are based on the Data or Research Product Category selection above.

Guidance:

For each data or research product category, PIs should use this section to provide information about where data or research products associated with this category will be shared (If applicable). In many cases for digital data, this sharing will be via an online repository.

In the title, PIs should either select a title that matches well with the sharing location (e.g., repository title) or provide such a title through the “Add New” mechanism if one is not available. Note that sharing through institutional resources (e.g., lab webpages) can be denoted as “Institutional Repository” through “Add New” if needed.

In the description, PIs should provide any additional detail about the location that they feel is necessary. Keep in mind that for common options, little additional detail may be necessary.

DMP Tool Note: In the generic version of the form, there are no options, so you must select Add New in the form and then write in the repository you plan to use, and then can optionally add additional details.

Timeline for Public Accessibility: Provide the anticipated timeline at which this data or research products in this category will be shared, or select 'Not Applicable' if it will not be shared. If the anticipated timeline is not listed in the dropdown, select 'Add New' (last option) to provide details.

- Not Applicable
- At time of collection
- At time of publication
- Less than 6 months after publication
- Less than 1 year after publication
- Within 2 years after collection
- By the end of the award

- Add New (describe below)

Guidance:

Recipients are required to share all data supporting NSF funded publications **at the time of publication**. Exceptions to this sharing requirement must be described and justified within the DMSP. PIs are responsible for confirming that the selections they make are consistent with data management and sharing guidance for the unit of consideration for the proposal.

In cases where there is some complexity in the intended sharing timeline (e.g., different timelines for different subsets of data within the category), then the “Add New” mechanism may be the best way to address this subtlety.

Data Availability: Specify how long the data or research products in this category will be made available. Select the longest applicable period. If the duration is not listed in the dropdown, select 'Add New' (last option) to provide detail.

- Not Applicable
- Less than 2 years
- At least 2 years
- At least 3 years
- At least 5 years
- At least 10 years
- Indefinitely
- Add New (describe below)

Guidance:

For each data or research product category, PIs should use this section to provide information about the duration for which data or research products associated with this category will be retained (If applicable). In many cases, the retention duration will be determined by the policies of the repository. If that is the case, the radio button for that option should be selected and no further information is required. If no such policy is applicable, then the researcher can provide the information via the usual pulldown and “Add New” mechanism.

If the availability of the data is less than **two years after project completion**, a justification must be provided.

Will you adhere to the standard retention policy of the chosen repository, if applicable?

- Yes
- No (explain below)
- Not Applicable (repository does not have a standard retention policy)

Guidance:

If you answer No, please provide a justification for deviating from the standard retention policy.

Accountability: Select the PI or co-PI who will be responsible for ensuring this category of data or research product is managed and shared according to the specified approach.

Guidance:

For each data or research product category, PI or co-PI should use this section to provide information about who among the Senior Personnel will be responsible for the sharing of data or research products associated with the category. In this case the available options (i.e., the Senior Personnel associated with the project) are prepopulated from the proposal itself.

When on Research.gov: Add personnel from Manage Personnel and Subaward Organizations to populate the Responsible Personnel dropdown. For separately submitted collaborative proposals, non-lead proposals must be linked for the personnel to display in the dropdown.

DMP Tool Note: This tool cannot pre-populate names, so write in the relevant name here.