

U.S. Geological Survey

Notice of Funding Opportunity

USGS Cooperative Landslide Hazard Mapping and Assessment Program Announcement for
Fiscal Year 2026

Funding Opportunity Number

G26AS00010

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BASIC INFORMATION

Announcement Type: Initial

Funding Opportunity Number: G26AS00010

Assistance Listing Number(s): 15.821

Estimated Total Program Funding: \$1,000,000

Expected Number of Awards: 10

Award Ceiling: \$250,000

Award Floor: \$10,000

Cost Sharing Required?

No. The [National Landslide Preparedness Act](#) (Public Law 116-323) specifies that proposals will receive funding prioritization if at least 50 percent of the total cost is matched by non-Federal sources. These sources can include state, local, non-governmental, Tribal, territorial, or private funds. Further details on what qualifies as non-Federal support, referred to as "match," are provided in the Eligibility section below.

Closing Date Explanation

Electronically submitted applications must be submitted no later than 5:00 p.m., ET, on the listed application due date.

OMB Control Number:

1028-0142

Have Questions? Stephen Slaughter – USGS Project Officer, sslaughter@usgs.gov, 720-483-3945

Executive Summary

The U.S. Geological Survey (USGS) Landslide Hazards Program announces a funding opportunity under the Cooperative Landslide Hazard Mapping and Assessment Program, established by the [National Landslide Preparedness Act](#) (Public Law 116-323). This program provides resources to assist state, local, Tribal, and territorial governments in reducing landslide risk through hazard mapping, risk assessments, public education, and interagency coordination.

Landslides occur in every U.S. state and territory, often with little warning, causing fatalities, disrupting transportation and commerce, and inflicting billions of dollars in damage annually. This program addresses these challenges by funding projects that:

- **Enhance Risk Assessments:** Develop detailed landslide hazard maps and analyses to identify high-risk areas.

- **Improve Community Preparedness:** Deliver outreach campaigns, workshops, and educational materials that empower residents and decision-makers to recognize warning signs and prepare for landslide events.
- **Promote Collaboration:** Build partnerships among government agencies, universities, and local organizations to share knowledge and resources for effective risk reduction.

Eligible applicants include state, local, Tribal, and territorial governments. Universities may participate on behalf of state geological surveys or other eligible offices. Each proposal must address at least one **Guidance Criterion** (hazard mapping, planning and coordination, education and outreach, or Alaska-specific hazards).

Alignment with Federal Priorities

This program fulfills statutory requirements and advances key federal directives emphasizing preparedness, hazard mitigation, scientific integrity, and interagency coordination:

- [EO 14303 - Restoring Gold Standard Science](#) (5/23/2025): *Alignment:* Reinforces scientific integrity and evidence-based decision-making, which aligns with the grant's emphasis on rigorous methodologies, transparent data management, and peer-reviewed dissemination of results.
- [EO 14239 – Achieving Efficiency Through State and Local Preparedness](#) (3/19/2025): *Alignment:* Supports coordination with state and local governments for emergency preparedness, which aligns with landslide grants' focus on improving community preparedness and interagency collaboration.
- [EO 14308 – Empowering Commonsense Wildfire Prevention and Response](#) (6/12/2025): *Alignment:* Promotes hazard mitigation and interagency coordination for natural disasters; landslide preparedness often overlaps with wildfire recovery and postfire slope stability concerns.
- [EO 14313 – Establishing the President's Make America Beautiful Again Commission](#) (7/3/2025): *Alignment:* Encourages environmental stewardship and community engagement, complementing landslide grant objectives for public education and outreach.
- [SO 3438 – Managing Federal Energy Resources and Protecting the Environment](#) (8/1/2025): *Alignment:* Balances resource development with environmental protection, which resonates with landslide hazard mapping goals to safeguard communities and infrastructure.
- [SO 3443 – Elevating and Unifying DOI's Wildland Fire Management Program](#) (9/10/2025): *Alignment:* Enhances wildfire management and interagency coordination, which is relevant because landslide risks often increase after wildfires due to destabilized slopes.

Funding this program is essential to protect lives, infrastructure, and economic stability while advancing federal mandates and strategic priorities.

ELIGIBILITY

Eligible Applicants

State governments

County governments

City or township governments

Special district governments

Native American tribal governments (Federally recognized)

Additional Information on Eligibility

This Notice of Funding Opportunity is open to state, Tribal, territorial, and local governments. A university may submit a proposal on behalf of a state geological survey or other state office if they are organized under a university system. Direct any questions about eligibility to the USGS Project Officer.

Cost Sharing Requirement

Cost Sharing Required?

No

This program does not have a match requirement; however, the [National Landslide Preparedness Act](#) (Public Law 116-323) states that funding *prioritization* shall be given to projects for which at least 50 percent of the total cost of the project is matched by non-Federal sources (i.e., state, local, non-governmental, Tribal, territorial, or private). As part of the non-Federal entity's cost sharing or matching, shared costs or matching funds and all contributions, including cash and third-party in-kind contributions, are acceptable following 2 CFR 200.3061. The contributions must be verifiable in the applicant's records, not included as contributions to any other Federal award, necessary for the project work, not paid by the Federal Government through another award (except where authorized) and must be documented in the Detailed Budget Narrative (Attachment D).

If you plan to use datasets such as lidar or geophysical data as match, you must explain how these datasets will improve or enhance the proposed product. If the datasets are being used as a cost share, ensure that:

- No Federal funds were used to collect the data;
- The reported data cost is pro-rated based on the portion of area covered by the proposed mapping;
- The dataset must not have been used for a previous cost share.

GET READY TO APPLY

Required System Registrations

Unique Entity Identifier and SAM.gov Registration

Before applying, all **applicants** except individuals applying as a natural person **must be registered in SAM.gov**. During the SAM.gov registration the entity will obtain their Unique Entity Identifier (UEI).

The SAM.gov registration process can take several months. If your organization is not already registered in SAM.gov, begin the registration process as soon as possible.

To register in SAM.gov, go to the [SAM.gov website](#) and use the available resources to complete registration.

- **Financial assistance registrants** must review and certify compliance with the SAM.gov “Financial Assistance General Representations and Certifications”.
- **Already registered?** You already have a Unique Entity ID. Before applying, check that your “Financial Assistance General Representations and Certifications” on SAM.gov is complete. Remember to renew your registration every year to keep it active while you have an award or application in progress. You can update your registration whenever you need, including during renewal.
- **Need help?** For additional information and contact information on the [SAM.gov Help page](#).

Refer to Attachment – Submission Instructions & Tips.

GRANTS.GOV

This program accepts applications through Grants.gov so once you receive your UEI return to Grants.gov to register with Grants.gov. Please allow 30 days to register and set up a Workspace in Grants.gov. See Submission Instructions section below for additional details.

PROGRAM OVERVIEW

Program Goals

The USGS Cooperative Landslide Hazard Mapping and Assessment Program aims to improve understanding of landslide hazards and enhance public safety. Expected performance goals include: increased awareness of landslide risks, better risk assessment and mapping, and improved community preparedness. The funds will support activities such as developing detailed hazard maps, conducting educational outreach, and fostering collaboration among stakeholders. Project outputs may be measured by the number of risk reduction products created (for example hazard maps, educational materials, community meetings), members of the workforce or public trained, or possibly the size of the population, infrastructure, or resources impacted by the work. Data will be collected through the required Final Technical

Report (Attachment F), project reports such as maps and publications, and feedback from grant recipients. This information will be reported to USASpending.gov with each award made under this funding opportunity.

Program Description

The overarching purpose of this funding is to assist state, local, Tribal, and territorial governments in assessing and managing landslide risks effectively, thereby protecting lives and property from the potentially devastating impacts of landslides. By investing in projects that focus on hazard mapping, public education, and community preparedness, the program seeks to significantly reduce the risks associated with landslides, ultimately promoting overall public safety.

The program is expected to achieve several key outcomes for the public good. First, by funding educational initiatives, it aims to raise awareness about landslide risks among residents in susceptible areas. This increased understanding will empower communities and decision makers of all levels to take proactive measures to protect themselves and their property, as well as the infrastructure and resources they depend upon. Second, the program supports the development of detailed hazard maps that identify areas susceptible to landslides. These maps will provide critical information for emergency and resource management, planning, and land use decisions, all enhancing public safety. Additionally, through outreach campaigns and workshops, the program will promote preparedness strategies, enabling communities to respond effectively to landslide events, which is crucial for minimizing injuries and property damage. Lastly, the program encourages partnerships among various stakeholders, including government agencies, universities, and local organizations, fostering a collaborative approach to landslide risk management at the regional-local scale that enhances the effectiveness of risk reduction strategies.

Certain costs are deemed unallowable under this program, including

- Long-term operation of landslide monitoring, monitoring networks, or instruments.
- Proposals in which there is a real or apparent conflict of interest.
- Proposals principally involving the direct procurement of a product or equipment.
- Projects seeking funding for capital improvements for landslide damaged infrastructure, landslide mitigation design, repairing landslide damaged property, or similar activities.
- Construction expenses related to physical infrastructure and land acquisition costs for purchasing property
- Unapproved equipment purchases that do not meet program guidelines
- Pre-award costs
- Indirect costs that exceed established legal caps or deviate from OMB-approved rates.

Eligibility for this funding is limited to state, local, Tribal, and territorial governments. While universities can participate, they must do so on behalf of eligible state geological survey or

other state offices. This ensures that the funding is directed toward entities capable of implementing effective landslide hazard assessments and risk reduction strategies, ultimately enhancing public safety across affected communities. In summary, the USGS Cooperative Landslide Hazard Mapping and Assessment Program is committed to advancing public safety by providing essential resources and support to manage landslide risks effectively, thereby safeguarding lives and property in susceptible areas.

Projects can select either 1- or 2-year periods of performance, only. Two-year projects require an [Annual Progress Report](#) (Attachment E) due 90 days after the end of the first year. Both 1- and 2-year projects require a Final Technical Report (Attachment G) due 90 days after the end of the performance period.

Legislative Authority

This announcement is part of the Cooperative Landslide Hazard Mapping and Assessment Program, authorized by the [National Landslide Preparedness Act](#) (P.L. 116-323) and funded through appropriations to the USGS.

Type of Award

Projects will be funded through G (Grant).

PREPARE YOUR APPLICATION

Application Content and Format

A complete application contains five components. The first is Forms/Assurances/Certifications which are described in the section below and required by grants.gov. The remaining four components are the Project Narrative, Project Narrative Supporting Documentation, Detailed Budget Narrative and Budget Summary Table, and Additional Information. Much of the remaining four components are used to describe your proposal to help the peer review panel and USGS Landslide Hazards Program Office assess your proposal. The last four components are described in detail in Attachment D.

Application Documents

Applicants must submit the following forms with their application as specified below. Instructions for accessing and submitting application forms are provided in the [Submission Instructions](#) section of this document below. For instructions on completing form fields, see the form instructions on the [Grants.gov Forms Repository](#).

Forms/Assurances/Certifications	Submission Requirement
SF-424, Application for Federal Assistance	Required from all applicants

Forms/Assurances/Certifications	Submission Requirement
<p>Note: For applicants requesting more than \$100,000 in Federal funds, the Authorized Representative’s signature (or electronic equivalent) on the Application for Federal Assistance form also represents their certification of the statements in Appendix A to 43 CFR 18-Certification Regarding Lobbying</p>	
<p>SF-424A, Budget Information – Non-Construction Programs</p>	<p>Required for non-construction projects</p>
<p>SF-LLL, Disclosure of Lobbying Activities</p>	<p>Required if requesting more than \$100,000 in Federal funds <u>and</u> the applicant has used or plans to use funds other than Federal appropriated funds for lobbying related to the proposed project.</p>
<p>Project Abstract Summary (OMB 4040-0019). Must include, in plain language:</p> <ul style="list-style-type: none"> • Project Title • Project Period • Award Purpose • Activities to be Performed • Expected Deliverables or Outcomes • Intended Beneficiaries • Subrecipient activities (if known or specified at time of award) 	<p>Required from all applicants</p>
<p>DOI Research and Development (R&D) – Current and Pending (Other) Support Note: This form is available on the DOI website. Applicants must download the form and include the completed form as an application attachment.</p>	<p>Required for research projects.</p>
<p>DOI Research and Development (R&D) – Biographical Sketch Note: This form is available on the DOI website. Applicants must download the form and include the completed form as an application attachment.</p>	<p>Required for research projects.</p>

Project Narrative

The Project Narrative is a comprehensive description of the proposed project that the peer review panel and the USGS Landslide Hazards Program Office will use to evaluate your proposal. This narrative should clearly outline the project's purpose, methodology, and expected outcomes. To assist you in crafting a strong project narrative, detailed instructions and a template are provided in Attachment D. Closely following the instructions in Attachment D will ensure that your proposal is well-organized and meets the program requirements.

Budget Narrative

Applicants must describe and justify items and costs listed in their budget. The budget narrative must identify the following cost items: total estimated costs, non-Federal cost share, third-party contributions, and any pre-award costs. Total project cost is the sum of all allowable costs, including required and voluntary cost share and third-party contributions.

Budget items must be:

- Reasonable, allowable, allocable, and necessary
- Compliant with [2 CFR §200 Subpart E](#) cost principles

Indirect Costs: Applicants must indicate in their budget narrative how they will charge indirect costs, including the rate to be applied:

- De Minimis Rate: If eligible, state if your organization is opting to use the de minimis rate of up to 15% of total modified direct costs. Entities that do not have a current Federal negotiated indirect cost rate (including provisional rate) may propose to use the de minimis rate. For more information, refer to [2 CFR 200.414\(f\)](#).
- Negotiated Rate: State if you will negotiate with your cognizant agency. If your organization has previously negotiated a rate, attach a copy of the most recently negotiated rate agreement (active or expired).

Conflict of Interest and Unresolved Matters Disclosures

If any actual or potential conflict of interest exists related to this project at the time of application, the applicant must provide sufficient information to support a program determination of significance per [2 CFR 1402.112](#). Refer to [2 CFR 200.112](#) Conflict of Interest and [2 CFR 200.113](#).

Overlap or Duplication of Effort Statement:

Applicants must state in their application if the activities, costs, or time commitment of key personnel proposed in this application overlap with those in any other Federal proposal or award or not. If no overlap exists, include a statement to that effect. If any overlap exists, provide:

- Activities: Description any overlapping activities.
- Costs: Description of any overlapping costs.

- Time: Description of any overlapping key personnel time.
- A copy of any overlapping or duplicative proposal submitted to any other potential funding entity.
- Details on when any overlapping proposal was submitted, to whom, and the expected date of the funding decision.

Other Required Information

Additional information is required for a complete application. Guidance is provided in Attachment D.

SUBMISSION REQUIREMENTS AND DEADLINES

Address to Request Application Package

The application package is available through Grants.gov. General information on the grant is available on the USGS Landslide Hazards Program External Grants website:

<https://www.usgs.gov/programs/landslide-hazards/science/external-grants-overview>

If there are questions or problems finding the application package, please contact the USGS Project Officer.

Submission Dates and Times

Closing Date for Applications: 06/08/2026

Closing Date Explanation

Electronically submitted applications must be submitted no later than 5:00 p.m., ET, on the listed application due date.

Submission Instructions

Only electronic submissions through grants.gov are permitted.

Apply Through Grants.gov

To apply through Grants.gov, please follow the instructions in the Quick Start Guide for Applicants. Before applying, ensure that at least one person at your organization is registered and has the Authorized Organization Representative (AOR). Only the AOR can submit the application. If you need more users, they must create their own Grants.gov account. Follow these steps below to apply:

- *Create a Workspace:* Creating a workspace allows you to complete it online and route it through your organization for review before submitting.
- *Complete a Workspace:* Invite participants to the workspace so you can collaborate on the application. Required applications forms are included in the Grants.gov Funding Opportunity Package and can be completed in the Workspace, unless noted otherwise in the Required Forms table above. Check for errors before submission.
- *Submit a Workspace:* An application may be submitted through workspace by clicking the Sign and Submit button on the Manage Workspace page, under the Forms tab

- *Track a Workspace Submission:* After successfully submitting a workspace application, a Grants.gov Tracking Number (GRANTXXXXXXXX) is automatically assigned to the application.

The system generates a date and time stamp and sends it to the applicant's AOR via email as proof of submission. Make sure your application passes the Grants.gov validation checks. Do not encrypt, zip, or password-protect any files. Only registered individuals in SAM as both a user and an AOR can submit applications. Please allow 30 days to register in Grants.gov.

Application System Technical Support: For Grants.gov technical registration and submission, downloading forms, and application packages, contact Grants.gov Customer Support at 1-800-518-4726 or by email at Support@grants.gov.

APPLICATION REVIEW INFORMATION

Eligibility Review

During the eligibility review, the application is checked for timely submission, completed packages (see [Application Documents](#) above) and alignment with the requirements of this announcement. The Federal agency may remove an application if it does not pass the eligibility review.

The USGS Project Officer and DOI Grant Specialist review all submitted applications to ensure the applications are complete. If an application does not meet all requirements specified in the Program Announcement, the application will be rejected, and the institution and Principal Investigator will be promptly notified that the proposal will not be reviewed and the reason for its rejection.

If an applicant selected for funding hasn't finished their SAM.gov registration (see [2 CFR 25.200](#) and [2 CFR 25.110](#)) when the federal agency is ready to make an award, we may decide that the applicant is ineligible for the award and choose to grant it to someone else. Please refer [2 CFR 25.205](#) for more information.

Prior to making an award, the DOI checks the anticipated recipient and their key project personnel against the current list of prohibited or restricted persons or entities in the SAM.gov Exclusions database. We are prohibited from making an award if a recipient or any key personnel are found ineligible, prohibited, restricted, or otherwise excluded from receiving or participating in an award, as their ineligibility condition applies to this program.

If removed from consideration for ineligibility, the Federal agency will notify the applicant in writing.

Merit Review

All proposals are evaluated by a peer review panel of 4 to 7 members, which includes scientists, engineers, and other experts from academic, federal, state, local, regional, and Tribal governments, non-profits, and private industry. Most proposals are evaluated by a single

review panel. However, additional panels may be formed to address specific regions or topic areas. For example, one panel might focus on proposals related to landslides in Appalachia, while another could review proposals centered on social science.

Regional or topical panels include members with expertise in the relevant area and make up at least 50% of the panel's membership. The Program Office and Grants Coordinator determine when additional panels are needed. If additional panels are formed, they review only the proposals related to their specific region or topic.

Evaluation Criteria

Each proposal is evaluated individually using four equally weighted evaluation criteria.

- **Technical Merit and Quality:** This factor assesses the proposed technical approach in addressing one or more of the Guidance Criteria described in Attachment C and the probability of achieving positive results within the period of performance. The assessment includes analysis of methodologies, technology, and/or workflows and whether they are appropriate to achieve positive results.
- **Societal Benefits:** This factor assesses the value of the landslide deliverable(s) in advancing scientific understanding, improving the knowledge base, workforce development, and(or) increasing public safety.
- **Knowledge, Performance, and Experience:** This factor considers the scientific and technical ability of the PI and team and the promptness with which the results of previous projects/funding were disseminated to the user community. This factor includes performance records and capability to provide the necessary facilities and support that will ensure satisfactory completion of the proposed work, including dissemination to the intended audience.
- **Appropriateness and Reasonableness of the Budget:** This factor considers whether the proposed budget is commensurate with the level of effort needed to accomplish the project objectives and whether the cost of the project is reasonable relative to the value of the anticipated results.

Cost sharing/match is not an eligibility criterion nor is it an evaluation criterion used by the review panel. Instead, cost sharing is a prioritization criterion used by the Landslide Hazards Program Office during the final decision-making process. As stated in the "Cost Sharing" section above, proposals will receive funding prioritization if at least 50 percent of the total cost is matched by non-Federal sources. If less than 50 percent of the total cost is matched by non-Federal sources, this is considered "no match". An example of how the Landslide Hazard Program Office would use prioritization is if the review panel scores two proposals equally and one proposal has >50 percent match and the other has no match, the proposal with the 50 percent or higher match is ranked higher for funding than the proposal with no match.

Review and Selection Process

This program reviews proposed budgets to ensure:

- figures are correct

- estimated costs are necessary and reasonable and clearly linked to project narratives
- avoid obviously unallowable costs
- identify costs requiring prior approval
- ensure indirect cost rates are applied correctly
- confirm cost sharing requirements are reflected in the budget.

This program reviews applications for potential overlap or duplication between the proposed project and any other funded or proposed project. Depending on the circumstances, DOI may choose not to make an award.

- If an application does not meet all requirements specified in this Program Announcement, as determined by the Grant Specialist and in consultation with the USGS Project Officer, the institution and Principal Investigator will be promptly notified that the proposal will not be reviewed and indicating the reason for its rejection.
- All proposals are considered in accordance with the Merit Review criteria described above. All criteria are weighed equally by the review panel when deriving their overall score. Panel members are asked to not compare proposals and instead assess each proposal individually according to the Merit Review criteria. Each panel member assigns a score for each proposal.
- Review panel members are required to review all submitted proposals and make recommendations on each proposal based on the merit criteria described above. At the end of the review period (usually 6-8 weeks), panel members meet virtually to discuss each proposal. After discussion, individual scoring is shared leading to a panel ranking of the proposals.
- The Landslide Hazards Program Office and Project Officer use the review panel rankings, panel comments, and discussion notes, to make recommendations for final selection of proposals for funding. Final funding decisions based on the review panel's recommendations, the Landslide Hazards Program science priorities, Guidance Criteria described in Attachment C, and the priorities outlined for the grant program in the [National Landslide Preparedness Act](#)
- Organizations with an existing No Cost Extensions from a previous landslide grant will result in a penalty during the review and selection process.

Risk Review

Prior to making an award, the program assesses the risk posed by the applicant per [2 CFR 200.206](#). If an award will be made, the program may apply special conditions corresponding to the risk assessed. For awards over the simplified acquisition threshold (currently \$250,000), the program reviews eligibility and financial integrity information in the applicant's SAM.gov records per [2 CFR 200.206\(a\)](#). The program also assesses financial management capabilities, project delivery experience, staffing resources, past performance, administration and reporting compliance records, and overall project complexity and potential challenges.

AWARD NOTICES

Notices of Federal Award are sent electronically via GrantSolutions or e-mail. These notices outline the terms, conditions, and payment instructions per [2 CFR 200.211](#). The Notice of Federal Award signed by an authorized Grants Officer is the legal instrument obligating financial assistance to a recipient. Any other prior notice is not an authorization to begin work. If the program allows pre-award costs per [2 CFR 200.458](#), beginning performance before receiving a Notice of Federal Award is at the applicant's own risk.

Anticipated Project Start Date: 07/01/2026

Anticipated Project End Date: 06/30/2027

All projects must propose start dates between 07/01/2026 and 09/30/2026. The start date requested in the applicant's submitted proposal is considered the applicant's official start date and may not be changed by the applicant. If federal funding delays do not allow for a project to be funded by the applicant's requested start date, the award will be issued as soon as funds become available, and the applicant will be notified of the new start date by the USGS Contracting Officer.

We expect that all applicants should hear a response from the USGS Project Officer around mid-June, about two weeks after the closing of the application period. Due to delays in posting this NOFO, the review period is significantly condensed.

POST AWARD REQUIREMENTS AND ADMINISTRATION

Administration and National Policy Requirements

For award administration and national policy requirements, see the [DOI General Terms and Conditions](#). Infrastructure projects require the use of American iron, steel, manufacture products, and construction materials per [2 CFR 184](#).

See [Attachment G](#) for the USGS Special Terms and Conditions.

Geospatial Data

If you receive financial assistance from the Department of the Interior (DOI), recipient must follow these rules for geospatial data:

Follow Federal Standards: All geospatial data you collect or create must meet the standards set by the Federal Geospatial Data Committee (FGDC) or the Department of the Interior. This is required by the Geospatial Data Act of 2018, which is part of Public Law 115-254, specifically in Subtitle F (Geospatial Data), sections 751-759C (codified at [43 U.S.C. §§ 2801–2811](#)).

Include Metadata: Your Geographic Information Systems (GIS) files must include complete metadata. Metadata is information that describes the data, such as where it came from, how accurate it is, and how it should be used. This is to ensure that anyone using the data understands its context and quality.

Check for Existing Data: Before you start collecting new geospatial data, you need to check GeoPlatform.gov. This is to see if there is already existing geospatial data from federal, state, local, or private sources that can meet your needs and is available for free. If such data is available, you should use it instead of gathering new data.

These rules help ensure that geospatial data is reliable, high-quality, and that resources are used efficiently.

Reporting

The recipient's Notice of Award will detail all reporting requirements, including frequency, due dates, and instructions for requesting extensions. In general, but not limited to, recipients must:

- Submit Federal Financial reports and Program Performance reports.
- Use the [Federal Financial Report \(SF-425\) form](#) for financial reporting,
- Monitor award activities and report on program performance per [2 CFR 200.329](#),
- Promptly notify the awarding program in writing of any issues, delays, or conditions impairing award objectives per [2 CFR 200.329\(e\)](#),
- Disclose any conflicts of interest related to their award that arise during the award period per [2 CFR 1402.112](#),
- Report on the status of real property acquired under the award in which the Federal government retains an interest per [2 CFR 200.330](#), and
- Report all violations of Federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the Federal award per [2 CFR 200.113](#).
- Report any matters related to recipient integrity and performance to SAM.gov per [Appendix XII to 2 CFR 200](#).
- If the Federal share of the award is more than \$100,000 and the recipient makes or agrees to make any payment using non-appropriated funds for lobbying in connection to the award, disclose those activities using the Disclosure of Lobbying (SF-LLL) form per [43 CFR 18.100](#).
- Federal Funding Accountability and Transparency Act of 2006 (FFATA) and 2 CFR 170 require certain recipients to report information on executive compensation, and information on all sub-awards, subcontracts, and consortiums equal to or over \$30,000 to SAM.gov.

Other Information

- Two-year projects must complete an Annual Progress Report (template is Attachment E) and an Annual Financial Report (SF425) which is due 90-days after the end of the first year.
- Grant recipients must complete a Final Technical Report (template is Attachment F) and share a digital copy of all products developed (for example: hazard maps, databases of events, landslide studies, educational material, etc.) as part of the grant funding. Note that scientific or technical journal publication does not count for the requirements of a Final Technical Report. The Final Technical Report is due 90-days after the end of the

period of performance. If any products are still in progress after 90-days, please submit the Final Technical Report with drafts of the final products and include an estimated time to complete the product(s).

Attachment A. Public Law 116-323

Link: [PUBL323.PS \(congress.gov\)](https://www.congress.gov/116/plaws/publ323/PLAW-116publ323.pdf) or <https://www.congress.gov/116/plaws/publ323/PLAW-116publ323.pdf>

Attachment B. Landslide National Strategy for Landslide Loss Reduction

Link: [ofr20221075.pdf – National Strategy for Landslide Loss Reduction \(usgs.gov\)](https://pubs.usgs.gov/of/2022/1075/ofr20221075.pdf) or <https://pubs.usgs.gov/of/2022/1075/ofr20221075.pdf>

Attachment C. Guidance Criteria for FY 2026

Guidance Criteria for the USGS Cooperative Landslide Hazard Mapping and Assessment Program

The [National Landslide Preparedness Act](#) established the *National Landslide Hazards Reduction Program* to address **four goals**:

1. Identify and understand landslide hazards and risks;
2. Reduce losses from landslides;
3. Protect communities susceptible to landslide hazards; and
4. Help improve communication and emergency preparedness, including by coordinating with communities and entities responsible for infrastructure that are exposed to landslide hazards.

To meet these four goals, the [National Strategy for Landslide Loss Reduction](#) (hereafter the “*Strategy*”) was written in coordination with a Federal interagency working group, identifying specific goals and strategic actions applicable to all levels of government. In consideration of the four goals above and the goals and strategic actions identified in the *Strategy*, the following **Guidance Criteria** (GC) have been articulated for Risk Reduction Proposals associated with the Cooperative Landslide Hazard Mapping and Assessment Program and are described in detail below:

- GC1. Landslide hazard mapping and assessment
- GC2. Planning and coordination
- GC3. Education and outreach

In addition, for FY2026 a fourth Guidance Criteria has been included focused on landslide hazards in Alaska and is designated GC4.

- GC4. Landslide hazards in Alaska

Proposals submitted to this grant program must address at least one of the Guidance Criteria (GC1, GC2, GC3, GC4). This document summarizes some of the relevant goals and strategic actions discussed above; the USGS invites those submitting a proposal to also review the [National Landslide Preparedness Act](#) and the [Strategy](#) (Attachment A and Attachment B, respectively) to improve their proposal alignment. The identified Guidance Criteria are not an exhaustive list of all potential proposal topics, nor intended to discourage submission of proposals to accomplish other important landslide risk reduction tasks. Pls are encouraged to reach out to USGS Project Officer to discuss potential topics. Note that ‘landslide’ is an inclusive term that includes all types of mass wasting processes, including and not limited to rockfall, debris avalanches, earthflows, debris flows, postfire debris flows, etc.

Guidance Criteria GC1: Landslide hazard mapping and assessments

Characterizing societal risk from landslides is an interdisciplinary endeavor that requires data collection and analysis in collaboration and coordination with local, Tribal, state, territorial, and federal agencies, as well as input from susceptible communities, nongovernmental organizations, and the private sector. Key to the effectiveness of this work in reducing landslide

losses is the development of better landslide hazard mapping and assessments. The hazard assessments can then be used to inform vulnerability and risk-assessment activities, which can in turn help identify where more-detailed hazard assessments and improved monitoring are needed to reduce the uncertainty of where, when, and why landslides could occur. These maps and assessments, combined with place-based sociological research, can also help focus outreach and communications about landslide risk reduction and preparedness. **NOTE: for ANY mapping project, please provide a map of the proposed mapping area and note the size of the area to be mapped in square miles. Specific protocols, methods, tools, and processes to be used for project work must be articulated for projects that involve mapping landslides, susceptibility, risk, or other spatial analysis.**

Risk Reduction Proposal topics may include:

- Landslide hazard mapping following an established protocol and using a lidar (3DEP) DEM base map. Hazard mapping may include landslide inventory, susceptibility, runout, exposure, and risk modeling for a region, municipality, or other defined area within the applicant's jurisdictional responsibility.
- Postfire debris flow hazard mapping such as alluvial/debris fan mapping, pre-fire hazard maps, historic postfire debris flow mapping, and other related products.
- Landslide event database creation that describes spatial and temporal information related to storm events, earthquakes, or other regional landslide events. Data collected may include landslide timing, precise location, land use, damage estimates, losses, or other influences to improve the collective understanding of the impact that landslides have on people, the built environment, and ecosystem services.
- Assessments to improve our understanding of landslide behavior, including where landslides will initiate and where debris could travel after an event.
- A study of the influence of land use and land management practices on landslide likelihood and magnitude.
- Development of best practices and tools for landslide mapping in collaboration and coordination with state, Tribal, territorial, Federal, and local governments.
- Collecting and analyzing loss data from landslides.
- Other topics relevant to this Guidance Criteria.

Note that for any mapping efforts that require topographic data, applicants are strongly encouraged to use lidar DEMs (e.g., data from the 3D Elevation Program ([3DEP](#))) and to describe their usage in their proposals. It is strongly encouraged that if a proposal includes requested funding for lidar collection, the PI email the USGS 3DEP program to inquire on planned lidar collections and whether your area of interest may already be part of a planned lidar collection. Please contact 3DEP@usgs.gov and include a summary of your conversation in your proposal.

Guidance Criteria GC2: Landslide planning and coordination

Reducing landslide losses requires strategies for improved preparedness and mitigation, and for expanded regional-local capacity to respond to and recover from landslides that impact communities, infrastructure, and other equities. Improving preparedness, mitigation, response, and recovery requires planning, collaboration, and coordination across Federal agencies; state,

Tribal, territorial, and local governments; academia; private industry; and nongovernmental and community organizations. Guidance Criteria 2 seeks to fund projects aimed at improving planning and coordination among research, private industry, land management, and emergency management communities, as well as across various levels of government to ensure that the right information is in the right hands at the right time.

Efforts to improve planning and coordination may include: workforce development through professional training, improved event messaging and evacuation planning, network linkages between landslide hazard science entities and operational entities responsible for providing watches and warnings, and assessment and improvement of communication strategies. Formalizing roles and responsibilities for landslide response and research, as well as increasing coordination, will streamline landslide hazard responses and can result in improved short- and long-term outcomes to protect lives, property, infrastructure, and the environment.

Proposal topics may include:

- Development of landslide (including postfire debris flow) emergency and technical response protocols, roles and responsibilities, procedures, products, and trainings to address local landslide emergencies. Partners may include emergency, land, and infrastructure managers, and others.
- Development, coordination, and facilitation of a landslide (including postfire debris flow) working group that shares best practices and lessons learned for effective landslide outreach, preparedness planning, education, land use practices, and other areas of landslide risk reduction and consisting of landslide experts and emergency, land, and transportation managers, planners, and others.
- Other topics relevant to this Guidance Criteria.

Guidance Criteria GC3: Landslide education, engagement, and outreach

The production of information on landslides and related hazards alone is not sufficient to reduce landslide risk and losses. Stakeholder buy-in is a critical step in information acceptance, adoption, and use. Active engagement with the user community in the development, application and interpretation of landslide hazard information is needed for effective risk reduction. Ensuring comprehension of landslide risk reduction products by decision makers at all levels is crucial to reduce landslide losses.

For the best available scientific information to be used, it must be delivered in a manner that is tailored to the scale and intent of the decisions and actions of its users. Effective loss reduction also requires education and training for people and communities, for land managers, and for other entities exposed to landslide hazards. Incorporating landslide hazard information into all-hazards planning efforts enables land managers and communities to: (a) address exposure of existing and future assets to landslide risk; (b) mitigate potential losses to the built environment, natural and cultural resources, and habitats that may be in these areas; and (c) respond and recover in ways that reduce the long-term effects of landslides.

Proposal topics may include:

- Development of materials promoting landslide (such as postfire debris flow) education, outreach, and engagement to the public.
- Provide collaborative engagement opportunities (workshops, trainings, etc.) for specialists and practitioners that facilitate addressing important challenges, such as: landslide hazard mitigation, response, preparedness, resilience, or similar.
- Advance coordination of messaging across multiple agencies by examining resources for education, crowdsourcing, and emergency management tools, for disseminating landslide information, landslide hazard products, and landslide emergency response.
- Engage user communities to assess the efficacy of existing landslide products and elicit their suggestions for improvements and new products.
- Develop new tools and products for increasing awareness of landslide hazards within the public and targeted user groups, such as emergency responders, public utilities, risk managers, decision makers, developers, and engineers.
- Develop approaches for providing landslide hazard information needed for risk assessments, and landslide mitigation and response planning to decision makers, emergency responders, and the public, particularly that cross local, state, Tribal, and territorial boundaries, and various levels of government.
- Develop landslide preparedness curricula and training modules for the public and for government officials including utility workers, planners and emergency, land, resources, and infrastructure.
- Other topics relevant to this Guidance Criteria.

Guidance Criteria GC4: Landslide hazards in Alaska

Alaska's steep terrain, complex geology, and dynamic climate render the state particularly vulnerable to frequent landslides. The cascading nature of geohazards further amplifies risk. For instance, large earthquakes, which are common in Alaska, can trigger landslides across vast regions. Landslides occurring on steep slopes adjacent to Alaska's extensive coastline or abundant large lakes can generate regionally significant tsunamis. Remoteness, challenging travel conditions, and limited communication further complicate efforts to mitigate risks and losses associated with landslides.

We invite innovative and scientifically robust proposals aimed at reducing landslide risk in the distinctive landscapes, climate, communities, and cultures of Alaska. Proposals should address one or more of the following areas:

- Fundamental research that enhances our understanding of landslide initiation during prolonged or intense precipitation, periods of glacial recession or permafrost degradation, or in response to intense ground shaking.
- Development of innovative geospatial products that improve our capacity to convey landslide hazard and risk to the public, emergency managers, and first responders.
- Communication strategies that enhance how landslide scientists convey uncertainties regarding landslide occurrence forecasting, spatial hazard mapping, and when supporting the implementation of risk reduction strategies, such as issuing warnings or evacuation orders.

Attachment D. Application Instructions and Template

The following attachment describes the additional components needed for a grant application. It is required that you follow this format when preparing your application. There are four main sections of the application:

- A) Project Narrative
- B) Project Narrative Supporting Documentation
- C) Detailed Budget Narrative/Budget Summary Table
- D) Additional Information

A) Project Narrative.

Applicant guidance: *The Project Narrative is where you provide a detailed description of your proposed project. Please follow the directions and guidance closely. When writing this section, keep in mind that your audience will be knowledgeable about landslide science but may not be familiar with the specific topic of your proposal. Therefore, it's essential to clearly explain what you are doing, how you plan to do it, the tools and methods you will use, the expected outcomes, and who will benefit from your work. Focus on being concise while ensuring that your audience fully understands the proposal. Use clear language and avoid jargon or explain any technical terms as necessary. Remember, the goal is to communicate the significance and impact of your project effectively.*

Please adhere to these formatting rules:

- *Number all pages.*
- *All text, figures, and tables shall be sized to fit on 8½" by 11" paper and font size shall not be smaller than 11 points.*
- *Sections D through F will be combined into a single PDF or Microsoft Word document, in the order noted below.*
- *The Project Narrative (Section D) may not exceed 15-pages, including supplemental figures, tables, references, appendices, etc.*

- 1) **Proposal Information Summary:** Use the format below for the **required** grants.gov Proposal Information Summary. Please delete all blue text.

1. Project Title	If possible or relevant, please include a place name
2. Guidance Criteria	From Attachment C, list the Guidance Criteria this proposal addresses (GC1, GC2, GC3 and/or GC4)
3a. Principal Investigator	List the PI for the proposal and contact information. <u>There can only be one PI, and they must be from the government organization submitting the proposal.</u> No sub-awardees or contractors should be listed as PIs. Please include Name, Institute/Organization Name, Street Address/P.O. Box, City, State, Zip Code; Phone and email
3b. Co-Principal Investigator(s)	List any co-PI(s) here and all contact information. <u>Co-PI's must be from the government organization submitting the proposal.</u> No sub-awardees or contractors should be listed. Please include Name, Institute/Organization Name, Street Address/P.O. Box, City, State, Zip Code; Phone, and email
4. Authorized Organizational Representative	The individual who can represent, commit, and legally bind your organization for this grant application. AORs should not be the same person as the PI. Please include Name, Institute/Organization Name, Street Address/P.O. Box, City, State, Zip Code, Phone, and email
5. Amount Requested	List amount requested for federal support
6. Proposed Start Date	The date you would like to start work (MM/DD/YYYY) and is the start date is: Fixed <input type="checkbox"/> or Flexible <input type="checkbox"/>
7. Proposed Period of Performance	Select the period of performance: 1 year <input type="checkbox"/> or 2 years <input type="checkbox"/>
8. New Proposal	If submitting a proposal for a project related to a current or recent USGS award, indicate the USGS award number and title
9. Resubmittal Proposal	If this is a resubmitted proposal to USGS? Yes <input type="checkbox"/> or No <input checked="" type="checkbox"/> . If YES, include title and year of previous submission to the USGS. The resubmitted proposal should identify changes made since original submission to USGS.
10. Has this proposal been submitted to any other organization for funding?	Note name(s) of agency, and program or division to which this proposal was submitted. If it has not been submitted before, enter "None"

- 2) **Project Abstract Summary:** This summary is required for proposals submitted through Grants.gov and must include the information below. The Project Abstract Summary cannot exceed 4000 characters. Note that upon issuance of an awarded grant, the Project Abstract Summary will be publicly available at USAspending.gov. The Project Abstract Summary must contain the following information:
- **Project Title:** Include Project Title from *Proposal Information Summary, Block 1*
 - **Project Period:** Include start and end date (ex. 07/01/2026 – 06/30/2027)
 - **Purpose:** Include a plain language description of Award purpose (avoid acronyms or Federal or agency-specific terminology)
 - **Activities:** Describe activities to be performed under proposed project
 - **Deliverables and Outcomes:** List proposed project deliverables and the expected outcomes of this work
 - **Intended Beneficiary(ies):** Detail communities, agencies, priorities, etc. that will benefit from the expected outcomes
 - **Subrecipient activities** (e.g., sub-contractors), if known
- 3) **Table of Contents:** A list that outlines the main components of the proposal.
- 4) **Significance of the Project:** Discuss the specific problem that the project aims to address and explain why it is important. Describe how the project will contribute to one or more of the Guidance Criteria outlined in [Attachment C](#). This description is essential and should clearly highlight the significance of the project and its potential impacts.
- 5) **Project Plan:** In the context of the Guidance Criteria and the problem this proposed work aims to address, please discuss the following:
- **Specific Activities:** Describe the activities that will be carried out to accomplish the goals and objectives of the project. Please use sufficient detail to help the review panel understand the steps needed to accomplish the activities. If there are multiple activities proposed (such as building a landslide inventory map and then a susceptibility map) clearly state the work associated with each activity and who will do the work. Note that if the peer review panel does not recommend all the activities proposed, a portion or the entire proposal may be denied funding. If a portion is denied funding, the scope of work, budget, and other areas of the proposal must be modified according to recommendations by OAG and LHPO to receive funds.
 - **Data Collection and Analysis Plans:** Explain how data will be collected and analyzed throughout the project. Build in time for data analysis and interpretation, as well as a plan for dissemination.
 - **Relationship to Past Studies:** Discuss how this proposed study relates to previous related projects in the region and on the topic.
 - **Responsibility and Level of Effort:** For each year of the proposed project, describe the time allocations, responsibilities of project staff members, and the

level of effort required. Project leaders should not be overcommitted in their estimated workload as this poses a risk to the proposed work. Articulate a timeline and plan for how any proposed new workers will be hired, trained, and prepared to contribute during the project period.

- **Project Milestones and Due Dates:** Include key milestones and deadlines for the proposed work and required reports. Clearly link the expected findings, products, or other deliverables to the activities, models, and data collection methods proposed. Briefly explain how these results will meet the Guidance Criteria. Please note that part of the Final Technical Report is monitoring and evaluation questions to help us assess the effectiveness of our Guidance Criteria, identify areas of improvement, and ensure that we are meeting our program goals and objectives. So please review the monitoring and evaluation questions in the Final Technical Report Template (Attachment F).
- **Sustainability and Transferability:** Proposal should articulate how the work will be sustained and built upon beyond the project period. This includes outlining specific plans for ongoing support, such as finding more funding, working with partners, or incorporating successful practices into existing programs. Additionally, if relevant, the proposal should describe how the results of the project can be applied in other areas or by different groups. The goal is to ensure that the benefits of the project last over time. By clearly outlining how the project will be sustained and its outcomes shared, the proposal will demonstrate its long-term value and impact.
- **Dissemination of Results:** Grant recipients of projects that create products related to landslide hazard mapping and assessments (e.g. hazard maps, databases of events, landslide studies, and data collection) are strongly encouraged to publish their results in a peer-reviewed journal or an internal peer-review process for publication. However, scientific or technical journal publication does NOT count for the requirements of a Final Technical Report or Data Management Plan. Additionally, all data products and computer codes must be made available to the public
- **Project-specific considerations to address:**
 - (a) **Mapping/Inventorying Areas and Methods:** If proposing a mapping project such as inventory, susceptibility, risk, or runout, you must:
 - (i) Indicate which protocol you plan to use to complete the work. If you are using an unpublished protocol that may be internal to your organization, please describe that process including the methods and data to be collected and reference any previous studies using the protocol. If proposing to use an experimental process for mapping, please describe how and why that process was selected, especially if established processes already exist.

- (ii) Include a map that clearly shows the proposed area to be mapped, along with the total square miles to be mapped. Please provide a breakdown of the area by classification, detailing the acres or square miles of private, state, Tribal, and federal lands within the proposed mapping area.
 - (b) **Communication and Engagement:** If communication, stakeholder engagement, or product assessment is involved, specific expertise is expected on the project team (e.g., social scientist, communication specialist)
 - (c) **Work with Human Subjects:** For projects where data is collected from human subjects (e.g., surveys, interviews) with plans for publication or public dissemination, the proposal must include a commentary indicating whether an Institutional Review Board (IRB) process is needed. If an IRB process is needed, describe the timeline and outcome of the process.
 - (d) **Two-year proposals:** Applicants should be sure to address the stipulations for two-year proposals. Describe why the project requires two years to complete and why the project cannot be divided into two, one-year proposals.
- 6) **Related Efforts:** Please describe important studies that the project team members have conducted and explain how they plan to work with other professionals in the field. Please review any ongoing landslide risk reduction efforts by state or regional agencies such as state geological survey mapping and inventory efforts. Include details about any current or recent USGS/LHP External Support grants, cooperative agreements, or Intergovernmental Personnel Act (IPA) agreements. Discuss how these relate to this proposal, if applicable, and share any relevant results from past grants, cooperative agreements, or IPAs.
- 7) **Institutional Qualifications:** Please describe the resources that the institution has and the relevant experience it offers. Resources can include staff, computers, and connections to data sources as well as potential users of the results.
- 8) **Current Support and Pending Applications:** Please list all sources of support that the main personnel have committed some of their time to during the period of this proposed work. This should account for 100% of each PIs and co-PIs work time and include the following details: titles of the projects, annual budget amounts, the duration of the awards, and the number of person-months committed for each project. Additionally, this section should include any projects or research that are being considered for submission to other potential sponsors. If similar work is also being proposed to another institution (like the Federal Emergency Management Agency), please explain how that work relates to this proposal.
- 9) **Past USGS-Supported Projects:** Please provide the total amount of funding received each year from the USGS for previous work related to this proposal. Include the

duration of each award (including any no-cost extensions) and the total number of person-months that each PI and co-PI committed each year.

10) **Current or Past Intergovernmental Personnel Act (IPA) Appointments Work:** In this section, please list any IPA Assignments that the PI, co-PIs, or anyone on the Project Team has had or currently has with the USGS in the last 5 years. Include a description of the work completed during the appointment.

11) **References/Works Cited:** List any references cited in your proposal.

THIS CONCLUDES THE PROJECT NARRATIVE 15-PAGE LIMIT

**CONTINUE TO THE NEXT PAGE FOR THE
REMAINING SECTIONS OF THE APPLICATION**

B) Project Narrative Supporting Documentation.

Applicant guidance: *This section contains supporting documentation to the Project Narrative. This section and all following sections do not count against the 15-page maximum of the Project Narrative.*

- 1) **Project Personnel and Bibliography of Directly Related Work:** Please provide a curriculum vitae (CV) for all professional staff involved in the project. The CV should not be longer than 2 pages and should summarize their education, experience, and any relevant publications from the last five years related to the proposed work. If there are non-principal investigators (non-PIs) who will make significant contributions to the project, their CVs should also be included.
- 2) **Letters of Support:** Letters of Support are useful for all proposals that include coordination with or participation by landslide scientists/researchers at institutions other than those submitting the proposal. Letters of support from potential stakeholders such as government officials (state geological surveys, transportation managers, Tribal leaders, planners, emergency managers, land managers, etc.) show buy-in from those that may benefit from proposed products.

C) Detailed Budget Narrative and Budget Summary Table.

Applicant Guidance: The **Detailed Budget Narrative** should explain and justify all proposed costs. Please provide unit costs for all budget items, including any work to be done by contractors or subrecipients. The Detailed Budget Narrative should also include any non-federal funds proposed as a “match,” if applicable. Make sure that the cost categories in the Detailed Budget Narrative align with those in the SF-424A and the Budget Summary Table, including categories salary, fringe benefits, travel, equipment, supplies, contracts, other direct costs, and indirect costs.

The **Budget Summary Table** is required as part of the Detailed Budget Narrative. The table must clearly outline all expenses with their corresponding rates and should directly match the amounts proposed in the submitted SF-424A. The Budget Summary Table should be the first page of the Detailed Budget Narrative followed by the twelve components described below.

Blue text indicates items that must be changed prior to proposal submission. Please delete all blue text before submission. Note that green boxes with the numbered headings correspond to the same sections in the **Detailed Budget Narrative** and the **Budget Summary Table**.

Applicants must describe and justify items and costs listed in their budget. The budget narrative must identify the following cost items: total estimated costs, non-Federal cost share, third-party contributions, and any pre-award costs. Total project cost is the sum of all allowable costs, including required and voluntary cost share and third-party contributions.

Budget items must be:

- Reasonable, allowable, allocable, and necessary
- Compliant with [2 CFR §200 Subpart E](#) cost principles

Indirect Costs: Applicants must indicate in their budget narrative how they will charge indirect costs, including the rate to be applied:

- *De Minimis Rate:* If eligible, state if your organization is opting to use the de minimis rate of up to 15% of total modified direct costs. Entities that do not have a current Federal negotiated indirect cost rate (including provisional rate) may propose to use the de minimis rate. For more information, refer to [2 CFR 200.414\(f\)](#).
- *Negotiated Rate:* State if you will negotiate with your cognizant agency. If your organization has previously negotiated a rate, attach a copy of the most recently negotiated rate agreement (active or expired).

Budget Summary Table				
1) Salaries and wages				
Personnel	Rate	Quantity	USGS Funds	Recipient Matching
Ex. J. Doe, Engineering Geologist	\$30/hr.	1000 hrs.	\$15,000	\$15,000
Salary Total			\$	\$
2) Fringe benefits/labor overhead				
Personnel	Rate	Quantity	USGS Funds	Recipient Matching
Ex. J. Doe, Engineering Geologist	40.20%	--	\$12,060	\$0
Fringe Total			\$	\$
3) Travel				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Ex. Lodging	\$109/night	6 nights	\$654.00	\$0.00
Travel Total			\$	\$
4) Equipment				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Ex. Surveying Equipment	\$10,000/each	1	\$10,000.00	\$0.00
Equipment Total			\$	\$
5) Supplies				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Ex. Field Notebooks	\$15/each	3	\$45.00	\$0.00
Supplies Total			\$	\$
6) Contracts and sub-awards				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Ex. Landslide inventory mapping	\$550/day	5 days	\$1,375.00	\$1,375.00
Contracts Total			\$	\$
7) Other Direct Costs				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Ex. Shipping Fees	\$200/year	2	\$400	\$0

Other Direct Costs Total		\$	\$
Direct/ Indirect Costs	Rate	USGS Funds	Recipient Matching
8) Total Direct Costs	--	\$39,534.00	\$16,375.00
9) Indirect cost/General and Administrative cost	18%	\$5,316.12	\$2,947.50
10) Total Project Cost - USGS		\$44,850.12	-
11) Total Project Cost – Recipient Matching		-	\$19,322.50
12) Combined Total Project Cost		\$ 64,172.62	

- 1) **Salaries and wages:** Please provide the following information for each individual involved in the project:
- Names: First and last name.
 - Positions: Job title and affiliation.
 - Number of Hours: Specify the number of hours each individual will spend on various project activities.
 - Rates of Compensation: Hourly rate of pay for each individual/role.
 - Project Roles: Describe the specific role for each individual involved in the project.
 - Only include personnel who are actively involved in the project. If senior management salaries or time are covered by the overhead (indirect cost) portion of the budget, do not include them in this section. However, if senior management personnel will participate in project work, please explain their roles. Additionally, report any salary for services or consultants or subrecipients in section 6 below.
 - Salaries or wages for student assistants (both undergraduate and graduate) working on the project are acceptable costs. Tuition remission and other forms of compensation paid to students for necessary work are also allowable, if these payments are reasonable for the work performed and are explicitly tied to the completion of that work. Be sure to identify any tuition and/or tuition remission in this section of the budget.
 - If a position is currently vacant, please indicate the position title, outline the criteria necessary to fill the position (for example: indicate if landslide mapping experience needed, a geologist license needed, a geology degree is required, etc.) and provide a timeline for hiring and training a new employee. Note that unfilled positions cannot be counted as match.
- 2) **Fringe benefits/labor overhead:** Please indicate the rates and amounts in accordance with standard accounting procedures. Explain what specific costs are included in this category and how the rates were calculated. Additionally, clarify

whether these rates are intended for proposal purposes only or if they are fixed or provisional rates that will be used for billing.

- 3) **Travel:** Please provide a description of the proposed travel for the project, including an itemized estimate of travel costs. This should include the following details:
- Number of People: How many individuals will be traveling?
 - Number of Travel Days: How many days will the travel last?
 - Per Diem Rate: What is the daily allowance for meals and incidentals?
 - Lodging Rate: What is the cost per night for accommodations?
 - Mileage Rate: If applicable, what is the rate for mileage reimbursement?
 - Airfare or Other Transportation: What are the costs for flights or other forms of transportation?
 - Other Travel Costs: Include any additional travel-related expenses. For **Conference/Workshop Travel:** Travel expenses for staff to attend scientific conferences, workshops, or relevant training are allowable, with a maximum limit of \$6,000. Please identify the staff member(s) who will attend and provide a detailed breakdown of all costs associated with conference or workshop travel. Note that requests for conference travel funds for contractors are not permitted.
- 4) **Equipment:** Please list the cost of all equipment necessary to achieve the objectives of the project. "Equipment" refers to items that have a useful life of more than one year and an acquisition cost of \$10,000 or more per item. Each piece of equipment should be itemized and include the following:
- Full Justification: Explain why each item is necessary for the project.
 - Dealer or Manufacturer Quote: Provide a quote from a dealer or manufacturer for each item.
- Please note that the title to any non-expendable personal property will be held solely by the Recipient. Under no circumstances will the title to this property be transferred to a sub-recipient.
- 5) **Supplies:** Please list the costs for office, field, and laboratory supplies. Each item should be itemized, including the quantity and cost for each individual item. Avoid providing a lump sum for each category; instead, provide a detailed breakdown that clearly shows how the costs were calculated.
- 6) **Contracts and sub-awards:** Please identify the proposed contractors for the project and provide the following information:
- i) Selection Criteria: Explain the criteria used to select these contractors or how they have already been selected.
 - ii) Estimated Time Required: Indicate the estimated amount of time each contractor will need to complete their work.
 - iii) Quoted Rate: Provide the quoted rate per day or hour for each contractor.

- (1) Additionally, include a breakdown of all costs associated with the contractors.
 - (2) For sub-awards, list them as a single line item in this category (row 6). Then for each sub-awardee, produce a separate **Detailed Budget Narrative** and **Budget Summary Table** that provides the same level of detail as described in this section. This is required for each sub-award and should be attached to the main recipient's proposal.
- 7) **Other direct costs:** Please itemize the different types of costs that are not included elsewhere in the budget, such as:
- i) Shipping Costs
 - ii) Publication Costs
 - iii) Computing Costs
 - iv) Equipment-Use Charges
 - v) For each type of cost, provide a detailed breakdown that shows how the cost was estimated. This should include any calculations or assumptions made to arrive at the estimated amounts.
- 8) **Total direct costs:** Total items 1 through 7.
- 9) **Indirect cost/General and Administrative (G&A) cost:** Please provide the proposed indirect cost rate and the corresponding amount. Proposals must include a copy of the negotiated indirect cost rate agreement. Ensure that indirect charges are applied only to those direct cost items that are allowable under the terms of the negotiated cost rate agreement.
- (1) Please note that if there is no negotiated cost agreement in place, the maximum indirect rate that may be charged is 15%, as stated in Section 200.414(f) of the Uniform Administrative Requirements.
- 10) **Total Federal Amount Proposed:** Total items 8 and 9.
- 11) **Applicant's contribution (i.e., Cost share/Match) to Project Cost:** In this section, please describe all non-federal matching funds that will be contributed to the project and provide the total sum of these funds.
- 12) **Total Project Cost:** Total items 10 and 11.

D) Additional Information

Applicant guidance: This section contains supporting documentation and information required for all federal grants.

- 1) **Conflicts of Interest:** For the primary personnel, please indicate if there are any actual or potential conflicts of interest at the time of submission, as outlined in [2 CFR §1402.112](#). Please review the link and indicate if there are any conflicts of interest.

- 2) **Data Management Plan (DMP):** Proposals submitted to the USGS must include a supplementary document titled “Data Management Plan” (DMP), which should not exceed four pages. The DMP should describe how your proposal will comply with USGS policies regarding the dissemination and sharing of results and associated data. A valid DMP may state that no detailed plan is necessary, such as: “*No data are expected to be produced from this project,*” but it must include a clear justification for this statement. Please use the template below.

Will this project utilize existing data?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, where is the existing data hosted/stored currently? (Paper files, Excel spreadsheets, custom database, etc.)
Will this project use existing USGS data?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, where did the existing dataset(s) come from?
Will the project collect or process new data?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, what file format will be used to collect the new data? (Paper files, web forms, PDF forms, etc.)
Are there access/use limitations associated with your data?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, describe the limitations, including proprietary or sensitive data elements, etc.
Is existing data currently available to the public?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes: Where are the data made available? Describe how any proprietary/sensitive data is handled. Are any fees associated with release of the data? What data format is the data released in? Is associated metadata made available, and if so what format?
Is new data planned to be made available to the public?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes: Where will the data be available? Describe how any proprietary/sensitive data will be handled. Will any fees be associated with release of the data? What data format will the data be released in? Will associated metadata be made available, and if so, what format will be used?
Does data for this project rely on proprietary or licensed software?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, list software.
Describe the approach for backup of all data associated with this project.		
What is the lifespan of these data?	Maintained indefinitely? Moved to archive storage after X years? Destroyed after X years?	

Describe quality assurance and/or quality control procedures that are associated with data collection and processing.	
---	--

- 3) **Geospatial Requirements:** If you receive financial assistance from the Department of the Interior (DOI), recipient must follow these rules for geospatial data:
- **Follow Federal Standards:** All geospatial data you collect or create must meet the standards set by the Federal Geospatial Data Committee (FGDC) or the Department of the Interior. This is required by the Geospatial Data Act of 2018, which is part of Public Law 115-254, specifically in Subtitle F (Geospatial Data), sections 751-759C (codified at 43 U.S.C. §§ 2801–2811).
 - **Include Metadata:** Your Geographic Information Systems (GIS) files must include complete metadata. Metadata is information that describes the data, such as where it came from, how accurate it is, and how it should be used. This is to ensure that anyone using the data understands its context and quality.
 - **Check for Existing Data:** Before you start collecting new geospatial data, you need to check GeoPlatform.gov. This is to see if there is already existing geospatial data from federal, state, local, or private sources that can meet your needs and is available for free. If such data is available, you should use it instead of gathering new data.
 - These rules help ensure that geospatial data is reliable, high-quality, and that resources are used efficiently.
- 4) **Single Audit Reporting Statement.** All U.S. states, local governments, federally recognized Indian Tribal governments, and nonprofit organizations expending \$1,000,000 USD or more in Federal award funds in the applicant's fiscal year must submit a Single Audit report for that year through the Federal Audit Clearinghouse's Internet Data Entry System. U.S. state, local government, federally recognized Indian tribal government, and non-profit applicants must state if your organization was or was not required to submit a Single Audit report for the most recently closed fiscal year. If your organization was required to submit a Single Audit report for the most recently closed fiscal year, provide the EIN associated with that report and state if it is available through the Federal Audit Clearinghouse website.
- 5) **Certification Regarding Lobbying:** Applicants requesting more than \$100,000 in Federal funding must certify to the statements in [43 CFR Part 18, Appendix A-Certification Regarding Lobbying](#). Please note that the Authorized Official's signature on Standard Form 424 (SF-424), which is part of the application process, represents the entity's certification of the statements in [43 CFR Part 18, Appendix A](#).
- 6) **Disclosure of Lobbying Activities:** Applicants and recipients cannot use federal funds, whether they are annual appropriations or matching funds, to pay anyone for lobbying

related to their award. Lobbying means trying to influence government officials, including members of Congress, regarding the award. If the federal portion of the proposal or award is over \$100,000 and the applicant or recipient has made or plans to make any payments for lobbying with non-federal funds, they must fill out and submit the SF-LLL form, "Disclosure of Lobbying Activities." This form can be found with the Funding Opportunity on Grants.gov. For more details on when to submit this form, refer to [43 CFR, Subpart 18.100](#) and [31 USC 1352](#).

- 7) **Overlap or Duplication of Effort Statement:** Applicants must state in their application if the activities, costs, or time commitment of key personnel proposed in this application overlap with those in any other Federal proposal or award or not. If no overlap exists, include a statement to that effect. If any overlap exists, provide:
- Activities: Description any overlapping activities.
 - Costs: Description of any overlapping costs.
 - Time: Description of any overlapping key personnel time.
 - A copy of any overlapping or duplicative proposal submitted to any other potential funding entity.
 - Details on when any overlapping proposal was submitted, to whom, and the expected date of the funding decision.

END OF ATTACHMENT D: APPLICATION INSTRUCTIONS AND TEMPLATE

Attachment E. Annual Progress Report Template

USE FOR MULTI-YEAR PROJECTS ONLY

*Blue text signifies items that must be changed prior to proposal submission.
Please delete all blue text before submission.*

This report will be published at:

<https://www.usgs.gov/programs/landslide-hazards/science/external-grants-overview>

For multi-year projects a Progress Report shall document and summarize the progress of Recipient's work. The Progress Report will follow the report template, below and will include the following:

- A comparison of actual accomplishments to the objectives of the Cooperative Landslide Hazard Mapping and Assessment Program Announcement established for the year and overall progress in response to the performance metrics.
- The reasons why established goals were not met, if appropriate.
- Additional pertinent information including, when appropriate, analysis and explanation of cost overruns or high unit costs.
- An outline of anticipated activities and adjustments to the program during the next year.

Award Number: XXXXXXXX

Title: For collaborative projects the title should be in the form: "Title: Collaborative Research with First Institution name and Second Institution name

Author(s) and Affiliation(s) with Address and zip code

Author's Telephone numbers and email address

Term covered by the award (start and end dates)

Acknowledgement of Support: This material is based upon work supported by the U.S. Geological Survey under Grant No. XXXXXXXX

Disclaimer: The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the opinions or policies of the U.S. Geological Survey. Mention of trade names or commercial products does not constitute their endorsement by the U.S. Geological Survey

Abstract

Include a short summary of your efforts, to date.

Goals and Objectives

List the goals and objectives for this grant as stated in the Project Narrative.

Guidance Criteria Funded

List the Guidance Criteria addressed in this proposal.

Accomplishments to date

Describe the overall progress made through this grant activity by summarizing performance metrics, such as project accomplishments and results or findings to date. Your response should be aggregated, not year-by-year or task-by-task. Please link your performance metrics to the Guidance Criteria associated with this grant. Include a description of activities carried out through this grant work and supplement your description with visuals such as tables, graphs, diagrams, and/or sketches where appropriate. These metrics will enable documentation of the broad results and impacts of the Cooperative Landslide Hazard Mapping and Assessment Grant Program, which are critical for assessment and potential continuity and growth of the program. Please strive to provide quantifiable metrics that connect to the overall goals of the program (e.g. Guidance Criteria). The following questions are provided to help guide your summary. Please address those that are relevant to your project:

- Population in area mapped and total area mapped
- Number of landslides mapped
- Number of previously mapped landslides removed from inventory or changed due to improved mapping tools and techniques.
- Map adoption status (for example by government agencies and/or other decision-making organizations?) Which organizations have adopted the maps?
- Map published on publicly available website? Website analytics available?
- Map discussed with key stakeholders? Categories of key stakeholders?
- Number of educational and/or outreach documents developed, printed, and distributed
- Number of workshops or trainings held
- Number of people attending a training, workshop, short course, etc.
- Categories of key stakeholders at meetings? Types of expertise represented?
- Number of videos produced and average views per month
- Social media analytics
- Has there been a social science study investigating baseline public perception/attitude/understanding of landslide hazards?
- Have any policies been changed due to changes in landslide hazards information facilitated by this grant work?
- How many positions were created or filled with this grant?
- How many early career (early career: received a degree in geology or related science within the past six years) staff were trained. What are their position titles?

- Were people hired with this grant outside the granting agency (for example at public works, planning offices)
- Were mentorships or internships provided with this funding? If so, how many?
- Were any publications (for example: scientific papers, posters, geological survey reports) developed through this grant work? If so, please list the number of them and the complete references?

Examples:

- *Guidance Criteria 1: Mapped 358 landslides in Adams County (29 square mile mapping area, population 3,400) and published the data on our Geohazards data portal, which is available to the public (link). Met with county staff (3 planners, 2 emergency managers, and 2 from public works) to teach them about the mapping products and how they can be used. Held one community meeting at the town hall for the public (28 in attendance) interested in the mapping results.*
- *Guidance Criteria 2: coordinated with 3 Adams County emergency managers in the development of landslide emergency protocols and emergency management plans. Met with 5 County planners to develop land use codes that reflect landslide hazards in the county.*
- *Guidance Criteria 3: developed an 8-page Homeowners Guide to Landslides that can be changed to meet the needs of communities and their relevant landslide hazards. Printed 10,000 copies and distributed to 5,000 equally among 8 planning offices for distribution. Trained 2 undergraduate students in landslide mapping techniques. Provided landslide mapping position to one early career geoscientists through collaborative work with regional scientists and stakeholders and training of lidar-based mapping techniques. Pdf version of the guide is here: (link)*

Anticipated Results

Describe all anticipated results beyond the accomplishments to date mentioned above. Note if the anticipated results are “As Planned”, “Changed”, or “No Longer Anticipated”. Describe any changes to the anticipated results or timeline of work compared to what was provided in your grant proposal. If you have any anticipated results documented in your grant proposal that will not be achieved over the next year, please clearly state those here and briefly describe why they are no longer anticipated.

Example: AS PLANNED: *We planned to build a landslide hazards website hosting decision-support tools for Adams and Jefferson County. The website construction is underway and set to be completed and go live by the end of June 2026.*

Example: CHANGED: *We planned to hire 2 student interns to help with field work and work on populating the new website during May-July, however, due to scheduling issues, we instead*

hired 3 interns during June and July to do the same work. While this will result in STEM training for an additional student, the timeframe of their work period is compressed.

Example: CHANGE TO “NOT ANTICIPATED”: We planned to map landslides in Adams and Jefferson Counties, however, we deferred Jefferson County to a future year because the Adams County landslide density was significantly higher than initially scoped. \$13,000 for this activity is reported on the SF-425 as Cash On Hand at End of Period.

Summary

In one or two paragraphs, state how this grant-funded work is contributing to the risk reduction strategies of the USGS Cooperative Landslide Hazard Mapping and Assessment Program. Please attach any final products that have resulted from the first part of the funding period, including web links, resources, etc.

Bibliography

List of any publications, products, websites, resources, etc. resulting from the work performed under the award. One copy of each publication is required if the Recipient has not previously submitted them to the USGS Project Officer.

Attachment F. Final Technical Report Template

*Blue text signifies items that must be changed prior to proposal submission.
Please delete all blue text before submission.*

This report will be published at:

<https://www.usgs.gov/programs/landslide-hazards/science/external-grants-overview>

The Final Technical Report shall document and summarize the results of Recipient's work. The report shall include a quantitative description of activities and overall progress in response to the performance metrics which documents and summarizes the results of the proposal. The final report shall include tables, graphs, diagrams, sketches, etc., as required to explain the results achieved under the Notice of Award. The report shall also include recommendations and conclusions based upon both the experience and the results obtained. The Final Technical Report will follow the report template, below.

Award Number: XXXXXXXX

Title: For collaborative projects the title should be in the form: "Title: Collaborative Research with First Institution name and Second Institution name"

Author(s) and Affiliation(s) with Address and zip code

Author's Telephone numbers and email address

Term covered by the award (start and end dates)

Acknowledgement of Support: This material is based upon work supported by the U.S. Geological Survey under Grant No. XXXXXXXX

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Abstract

Include a short summary of your efforts and results.

Goals and Objectives

List the goals and objectives for this grant as stated in the Project Narrative.

Guidance Criteria Funded

List the Guidance Criteria addressed in this proposal.

Accomplishments

Describe the overall progress made through this grant activity by summarizing performance metrics, such as project accomplishments and results or findings to date. Your response should be aggregated, not year-by-year or task-by-task. Please link your performance metrics to the

Guidance Criteria associated with this grant. Include a description of activities carried out through this grant work and supplement your description with visuals such as tables, graphs, diagrams, and/or sketches where appropriate. These metrics will enable documentation of the broad results and impacts of the Cooperative Landslide Hazard Mapping and Assessment Grant Program, which are critical for assessment and potential continuity and growth of the program. Please strive to provide quantifiable metrics that connect to the overall goals of the program (e.g. Guidance Criteria). The following questions are provided to help guide your summary. Please address those that are relevant to your project:

- Population in area mapped and total area mapped
- Number of landslides mapped
- Number of previously mapped landslides removed from inventory or changed due to improved mapping tools and techniques.
- Map adoption status (for example by government agencies and/or other decision-making organizations?) Which organizations have adopted the maps?
- Map published on publicly available website? Website analytics available?
- Map discussed with key stakeholders? Categories of key stakeholders?
- Number of educational and/or outreach documents developed, printed, and distributed
- Number of workshops or trainings held
- Number of people attending a training, workshop, short course, etc.
- Categories of key stakeholders at meetings? Types of expertise represented?
- Number of videos produced and average views per month
- Social media analytics
- Has there been a social science study investigating baseline public perception/attitude/understanding of landslide hazards?
- Have any policies been changed due to changes in landslide hazards information facilitated by this grant work?
- How many positions were created or filled with this grant?
- How many early career (early career: received a degree in geology or related science within the past six years) staff were trained. What are their position titles?
- Were people hired with this grant outside the granting agency (for example at public works, planning offices)
- Were mentorships or internships provided with this funding? If so, how many?
- Were any publications (for example: scientific papers, posters, geological survey reports) developed through this grant work? If so, please list the number of them and the complete references?

Examples:

- *Guidance Criteria 1: Mapped 358 landslides in Adams County (29 square mile mapping area, population 3,400) and published the data on our Geohazards data portal, which is available to the public (link). Met with county staff (3 planners, 2 emergency managers, and 2 from public works) to teach them about the mapping products and how they can be used. Held one community meeting at the town hall for the public (28 in attendance) interested in the mapping results.*
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- *Guidance Criteria 3: developed an 8-page Homeowners Guide to Landslides that can be changed to meet the needs of communities and their relevant landslide hazards. Printed 10,000 copies and distributed to 5,000 equally among 8 planning offices for distribution. Trained 2 undergraduate students in landslide mapping techniques. Provided landslide mapping position to one early career geoscientists through collaborative work with regional scientists and stakeholders and training of lidar-based mapping techniques. Pdf version of the guide is here: (link)*

Unmet Results

Describe results anticipated but not achieved. Explain simply what happened. If you list any unmet results, make sure that funds for that activity appear on the Cash On Hand of Standard Form 425 *Federal Financial Report*. That is, you should have funds remaining if any result is not met. If a result were reprogrammed through an earlier action, then report the result under accomplishments.

Example: Planned to map landslides in Adams and Jefferson Counties. Deferred Jefferson County to a future year because Adams County landslide density was significantly higher than initially scoped. \$13,000 for this activity is reported on the SF-425 as Cash On Hand at End of Period.

Note: if you have no unmet results, state "none."

Summary

In one or two paragraphs, state how this grant has contributed toward achieving the risk reduction strategies of the USGS Cooperative Landslide Hazard Mapping and Assessment Program.

Please attach any final products that have resulted from this grant, including web links, resources, etc.

Bibliography

List of any publications, products, websites, resources, etc. resulting from the work performed under the award. One copy of each publication is required if the Recipient has not previously submitted them to the USGS Project Officer.

Attachment G. Special Terms and Conditions

SPECIAL TERMS AND CONDITIONS

LANDSLIDE HAZARDS MAPPING AND ASSESSMENT PROGRAM

OFFER AND ACCEPTANCE:

The United States of America, acting by and through the U.S. Geological Survey (USGS), hereby offers a Grant to the Recipient (see page 1, block 9a. titled *Grantee Name and Address*) which will be identified as the “recipient” throughout the remainder of this document.

Acceptance of a federal financial assistance award from the Department of the Interior (DOI) carries with it the responsibility to be aware of and comply with the terms and conditions of the award. Acceptance is defined as the start of work, drawing down funds, or accepting the award by signature or electronic means. Awards are based on the application submitted to and approved by DOI and are subject to the terms and conditions incorporated either directly or by reference below.

SECTION A – PROJECT DESCRIPTION

A.1 Project Description

The USGS Cooperative Landslide Hazard Mapping and Assessment Program reflects the [National Landslide Preparedness Act](#) (Public Law 116-323) and the [National Strategy for Landslide Loss Reduction](#) (Godt et al., 2022), which support the mission of the USGS Landslide Hazards Program (LHP) to reduce loss of lives and property from landslides and improve public safety and community resilience of the Nation. Projects funded under this grant program support the following four goals established by the National Landslide Hazards Reduction Program: 1) identify and understand landslide hazards and risks; 2) reduce losses from landslides; 3) protect communities at risk of landslide hazards; and 4) help improve communication and emergency preparedness, including by coordinating with communities and entities responsible for infrastructure that are at risk of landslide hazards. To achieve these objectives, projects funded under this Program will focus on landslide hazard mapping and assessment, planning, coordination, education, and outreach.

A.2 USGS Involvement

There will be no substantial involvement by the USGS in the recipient’s performance of this agreement.

SECTION B – FUNDING AND AWARD PERIODS

B.1 Funding

a) The total estimated cost of the USGS share for the performance of this agreement is located on page 1, block 13 titled *Total Federal Funds Awarded to Date for Project Period*.

b) The amount of federal funds obligated under this agreement shall be available for payment of costs incurred by the recipient in performance of this agreement (see page 1, block 7 titled *Budget Period*). In no event shall costs be incurred in performance of this agreement in excess of the funds currently obligated (see page 1, block 13 titled *Total Federal Funds Awarded to Date for Project Period*).

B.2 Award Period

The initial budget period is located on page 1, block 7 titled *Budget Period*. The total project period is located on page 1, block 6 titled *Project Period*.

B.3 Pre-Agreement Costs

The recipient is not authorized to incur costs prior to the award of this agreement. Costs incurred prior to the award of this agreement are not allowable.

SECTION C - DELIVERABLES

C.1 Progress Reports

- a) The recipient must submit annual progress reports electronically through GrantSolutions (<https://home.grantsolutions.gov/home/>) and to the USGS Project Officer (see Page 2, Remarks) within 90 calendar days after the agreement year (i.e., 12 months after the approved effective date of the agreement and every 12 months thereafter until the expiration date of the agreement.). For agreements with a total anticipated performance period of twelve months (12) months or less, only a final technical report will be required. A progress report is not required in the final budget year, unless the recipient requests an extension to the project period.
- b) The progress reports shall include the following information:
- (i) A comparison of actual accomplishments to the objectives of the agreement established for the budget period and overall progress in response to the performance metrics.
 - (ii) The reasons why established goals were not met, if appropriate.
 - (iii) Additional pertinent information including, when appropriate, analysis and explanation of cost overruns or high unit costs.
 - (iv) An outline of anticipated activities and adjustments to the program during the next budget period.
- c) Between the required reporting dates, events may occur which have significant impact upon the project or program. In such cases, the recipient shall inform the USGS as soon as the following types of conditions become known:

- (i) Problems, delays, or adverse conditions which will materially impair the ability to meet the objective of the agreement. This disclosure must include a statement of the action taken, or contemplated, and any assistance needed to resolve the situation.
- (ii) Favorable developments which enable meeting time schedules and objectives sooner or at less cost than anticipated or producing more or different beneficial results than originally planned.

C.2 Final Technical Report

- a) The Recipient must submit the final technical report electronically through GrantSolutions (<https://home.grantsolutions.gov/home/>) and to the USGS Project Officer (see Page 2, Remarks). The final performance report will be due 90 calendar days after the period of performance end date.
- b) The final technical report shall document and summarize the results of Recipient's work. The report shall include a quantitative description of activities and overall progress in response to the performance metrics which documents and summarizes the results of the entire agreement. The final report shall include tables, graphs, diagrams, sketches, etc., as required to explain the results achieved under the agreement. The report shall also include recommendations and conclusions based upon both the experience and the results obtained.

C.3 Annual Financial Reports

- a) The Recipient must submit an annual SF 425, Federal Financial Report, for each individual USGS award. The SF 425 is available at grants.gov/forms/forms-repository/post-award-reporting-forms. The SF 425 will be due within 90 days following the end of the annual period or within 90 days following the end of each annual period coinciding with the award start date.
- b) The SF 425 must be submitted electronically through GrantSolutions (<https://home.grantsolutions.gov/home/>). Recipient must include the USGS award number (see page 1, block 4 titled: Grant No.) in the subject line of all e-mail correspondence. If, after 90 days, recipient has not submitted a report, the recipient's account in Automated Standard Application for Payments (ASAP) will be placed in a manual review status until the report is submitted.

C.4 Final Financial Report

- a) The Recipient will liquidate all obligations incurred under the award and submit a final SF 425, Federal Financial Report in accordance with C.3.b. no later than 120 calendar days after the agreement completion date.
- b) Recipient will promptly return any unexpended federal cash advances or will complete a final draw from ASAP to obtain any remaining amounts due. Once 120 days has passed

since the agreement completion date, USGS shall unilaterally de-obligate federal funds as reflected in the final SF 425.

- c) Subsequent revision to the final SF 425 will be considered only as follows:
- i. When the revision results in a balance due to the Government, the recipient must submit a revised final SF 425, Federal Financial Report, and refund the excess payment whenever the overcharge is discovered, no matter how long the lapse of time since the original due date of the report.
 - ii. When the revision represents additional reimbursable costs claimed by the recipient, a revised final SF 425 may be submitted to the USGS Grants Management Official with an explanation. If approved, the USGS will either request and pay a final invoice or reestablish the ASAP subaccount to permit the recipient to make a revised final draw. Any revised final report representing additional reimbursable amounts must be submitted no later than 1 year from the due date of the original report, i.e., 15 months following the agreement completion date. USGS will not accept any revised SF 425 covering additional expenditures after that date and will return any late request for additional payment to the Recipient.

C.5 Publications

a) Acknowledgment of Support

Recipient is responsible for assuring that an acknowledgment of USGS support:

- 1) is made in any publication (including World Wide Web pages) of any material based on or developed under this agreement, in the following terms:

This material is based upon work supported by the U.S. Geological Survey under Grant/Cooperative Agreement No. (see page 1, block 4 titled: *Grant No.*).

- 2) is orally acknowledged during all news media interviews, including popular media such as radio, television and news magazines.

b) Disclaimer

Recipient is responsible for assuring that every publication of material (including World Wide Web pages) based on or developed under this agreement, contains the following disclaimer:

The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the opinions or policies of the U.S.

Geological Survey. Mention of trade names or commercial products does not constitute their endorsement by the U.S. Geological Survey.

c) USGS Logo

Use of the USGS logo (also known as "visual identity" or "identifier") constitutes the recipient's agreement to and acceptance of the following terms:

- The USGS identifier is trademarked and not in the public domain.
- Use of the trademarked USGS identifier is authorized by USGS for use only by recipients of USGS funding.
- Use is authorized on information products that result from research funded by the financial assistance award.
- Use the USGS identifier for any other purpose without written permission from USGS is prohibited; doing so constitutes trademark infringement.
- Recipient will adhere to the design requirements, which are as follows:
 - The USGS identifier must appear in black, white, or green only.
 - The USGS identifier cannot be modified in any way except for proportional sizing.
 - The USGS identifier should appear at the same size as logos of other agencies, if any.
 - If used on a digital product, the USGS identifier should link to www.usgs.gov

d) Publication

Publication of the results of any project carried out under this assistance award is authorized in professional journals, trade magazines, or may be made by the USGS. Such manuscripts or publications submitted to journals or professional publications for publication shall be accompanied by the following notation:

This manuscript is submitted for publication with the understanding that the United States Government is authorized to reproduce and distribute reprints for Governmental purposes.

e) Copies for USGS

Recipient is responsible for assuring that the USGS Project Office is provided a digital version, preferably as a MS Word DOCx file, of every accepted manuscript upon acceptance for publication by the journal.

f) Department of the Interior Requirements

Two copies of each publication produced under a grant or cooperative agreement shall be sent to the Natural Resources Library with a transmittal that identifies the sender and the publication. These copies can be in print or digital format. If a publication in a born-digital

document only available online, a digital copy or a link to where the publication may be available on the Internet must be sent to <Library@ios.doi.gov>. The address of the library is:

U.S. Department of the Interior Library
1849 C Street, NW, Room 1151, MS 1151
Washington, DC 20240

SECTION D – ASSISTANCE ADMINISTRATIVE DATA

D.1 Assistance Administration

This agreement will be administered by:

Amber Brazil

Grants Specialist

U.S. Geological Survey

Office of Acquisition and Grants

12201 Sunrise Valley Drive, MS 205

Reston, VA 20192

703-648-7477

abrazil@usgs.gov

Written communications shall make reference to the assistance award number and shall be mailed (or emailed) to the above address.

D.2 Payment

Payments under financial assistance awards must be made using the Department of the Treasury Automated Standard Application for Payments (ASAP) system (www.asap.gov).

- a) The recipient agrees that it has established or will establish an account with ASAP. USGS will initiate enrollment in ASAP. If the recipient does not currently have an ASAP account, they must designate an individual (name, title, address, phone and e-mail) who will serve as the Point of Contact (POC).
- b) With the award of each grant/cooperative agreement, a sub-account will be set up from which the recipient can draw down funds. After recipient's complete enrollment in ASAP and link their banking information to the USGS ALC (14080001), it may take up to 10 days for sub-accounts to be activated and for funds to be authorized for drawdown in ASAP.
- c) Inquiries regarding payment should be directed to ASAP at 855-868-0151.
- d) Payments may be drawn in advance only as needed to meet immediate cash disbursement needs.

D.3 Revisions and Prior Approvals

Modifications to this agreement shall generally be executed by mutual written consent of the parties, with the exception of certain purely administrative changes that may be executed unilaterally by the USGS. Recipients may make certain limited budgetary and programmatic changes without prior USGS approval as outlined in 2 CFR 200.308 and 200.407. Any proposed

change which requires prior written approval of the USGS shall be submitted in writing to the address at D.1 at least thirty (30) days prior to the requested effective date of the proposed change. The USGS will respond to the change request within thirty (30) days of receipt.

- a) Extensions. Recipients are specifically advised that requests for extension or other change to the budget or project period(s) require prior written approval. Such requests must be submitted as outlined above and be accompanied by a statement supporting the extension and a revised budget (if necessary) indicating the planned use of all unexpended funds during the proposed extension period. A revised budget is not required for no cost extensions.
- b) Transfer of Funds. Recipients are specifically advised that prior written approval of the USGS Grants Management Official is not required for transfer of funds between direct cost categories when the cumulative amount of the transfer during the performance period does not exceed ten percent (10%) of the total USGS award. Prior written approval is required from the USGS Grants Management Official for transfers of funds in excess of the ten percent limitation.
- c) Carry Forward of Funds. Recipients are specifically advised that prior written approval by the USGS Grants Management Official is required to carry forward unobligated balances to subsequent budget periods. It is expected that funds be expended during the budget period for which they are obligated. The request must include the amount of funds to be carried over, why the carry-over of funds is necessary, and for how long the funds should be carried over.

SECTION E - GENERAL PROVISIONS

E.1 Department of the Interior General Terms and Conditions

The recipient shall be subject to the Department of the Interior General Terms and Conditions which are incorporated herein by reference and available on the Internet at: [DOI General Terms and Conditions | U.S. Department of the Interior](https://www.doi.gov/grants/doi-standard-terms-and-conditions): *https://www.doi.gov/grants/doi-standard-terms-and-conditions*

E.2 Additional Terms and Conditions

a) Research Integrity

- 1) USGS requires that all grant or cooperative agreement recipient organizations adhere to the federal policy on Research Misconduct, Office of Science and Technology Policy, December 6, 2000, 65 Federal Register (FR) 76260. The federal policy on research misconduct outlines requirements for addressing allegations of research misconduct, including the investigation, adjudication, and appeal of allegations of research misconduct and the implementation of appropriate administrative actions.

- 2) The recipient must promptly notify the USGS Project Office when research misconduct that warrants an investigation pursuant to the federal policy on research misconduct is alleged.
- 3) Scientific integrity is vital to Departmental activities under which scientific research, data, summaries, syntheses, interpretations, presentations, and/or publications are developed and used. Failure to uphold the highest degree of scientific integrity will result not only in potentially flawed scientific results, interpretations, and applications but will damage the Department's reputation and ability to uphold the public's trust. All work performed must comply with the Department Scientific Integrity Policy posted to <http://www.doi.gov>, or its equivalent as provided by their organization or State law.

b) Data Availability

- 1) Applicability. The Department of the Interior is committed to basing its decisions on the best available science and providing the American people with enough information to thoughtfully and substantively evaluate the data, methodology, and analysis used by the Department to inform its decisions.
- 2) Use of Data. The regulations at 2 CFR 200.315 apply to data produced under a federal award, including the provision that the Federal Government has the right to obtain, reproduce, publish, or otherwise use the data produced under a federal award as well as authorize others to receive, reproduce, publish, or otherwise use such data for federal purposes.
- 3) Availability of Data. The recipient shall make the data produced under this award and any subaward(s) available to the Government for public release, consistent with applicable law, to allow meaningful third party evaluation and reproduction of the following:
 - a. The scientific data relied upon;
 - b. The analysis relied upon; and
 - c. The methodology, including models, use to gather and analyze the data.

c) Conflict of Interest

- 1) Applicability.
 - a. This section intends to ensure that non-federal entities and their employees take appropriate steps to avoid conflicts of interest in their responsibilities under or with respect to federal financial assistance agreements.
 - b. In the procurement of supplies, equipment, construction, and services by recipients and by subrecipients, the conflict of interest provisions in 2 CFR 200.318 apply.

2) Requirements.

- a. Non-federal entities must avoid prohibited conflicts of interest, including any significant financial interests that could cause a reasonable person to question the recipient's ability to provide impartial, technically sound, and objective performance under or with respect to a federal financial assistance agreement.
- b. In addition to any other probations that may apply with respect to conflicts of interest, no key official of an actual or proposed recipient or subrecipient, who is substantially involved in the proposal or project, may have been a former federal employee who, within the last one (1) year, participated personally and substantially in the evaluation, award, or administration of an award with respect to that recipient or subrecipient or in development of the requirement leading to the funding announcement.
- c. No actual or prospective recipient or subrecipient may solicit, obtain, or use non-public information regarding the evaluation, award, or administration of an award to that recipient or subrecipient or the development of a federal financial assistance opportunity that may be of competitive interest to that recipient or subrecipient.

3) Notification.

- a. Non-federal entities, including applicants for financial assistance awards, must disclose in writing any conflict of interest to the DOI awarding agency or pass-through entity in accordance with 2 CFR 200.112, Conflicts of Interest.
- b. Recipients must establish internal controls that include, at a minimum, procedures to identify, disclose, and mitigate or eliminate identified conflicts of interest. The recipient is responsible for notifying the USGS Grants Management Official in writing of any conflicts of interest that may arise during the life of the award, including those that have been reported by subrecipients.

4) Restrictions on Lobbying. Non-federal entities are strictly prohibited from using funds under this grant or cooperative agreement for lobbying activities and must provide the required certifications and disclosures pursuant to 43 CFR Part 18 and 31 USC 1352.

5) Review Procedures. The USGS Grants Management Official will examine each conflict-of-interest disclosure on the basis of its particular facts and the nature of the proposed grant or cooperative agreement, and will determine whether a significant potential conflict exists and, if it does, develop and appropriate means for resolving it.

6) Enforcement. Failure to resolve conflicts of interest in a matter that satisfies the Government may be cause for termination of the award. Failure to make required disclosures may result in any of remedies described in 2 CFR 200.338, Remedies for Noncompliance, including suspension or debarment (see also 2 CFR Part 180).

d) Program Income

- 1) If the recipient is an educational institution or nonprofit research organization, any other program income will be added to funds committed to the project by the federal awarding agency and recipient and be used to further eligible project or program objectives, as described in 2 CFR 200.307(e)(2).
- 2) For all other types of recipients, any other program income will be deducted from total allowable costs to determine the net allowable costs before calculating the Government's share of reimbursable costs, as provided in 2 CFR 200.307(e)(1).

e) Government Furnished Equipment or Equipment Authorized for Purchase

Title to equipment acquired wholly or in part with federal funds shall be vested in the recipient unless otherwise specified in the award document. The recipient shall retain control and maintain an inventory of such equipment as long as there is a need for such equipment to accomplish the purpose of the project, whether or not the project continues to be supported by federal funds. When there is no longer a need for such equipment to accomplish the purpose of the project, the recipient shall use the equipment in connection with other federal awards the recipient has received. Disposal of equipment shall be in accordance with 2 CFR 200.313.

No equipment is provided or authorized for purchase on this grant/cooperative agreement.

SECTION F – SPECIAL PROVISIONS

Geospatial Requirements

The Geospatial Data Act of 2018 outlines specific requirements for federal recipients when collecting or producing geospatial data using Department of the Interior financial assistance funds. Here's a summary of the key points:

- **Due Diligence Search:** Federal recipients must first check the GeoPlatform.gov list of datasets to see if the needed geospatial data, products, or services already exist.
- **Use of Existing Data:** If the required data is already available, recipients must use it rather than producing new data.
- **Production of New Data:** If the needed data is not available, recipients must produce new geospatial data, products, or services in accordance with guidance and standards established by the Federal Geospatial Data Committee (FGDC), which can be found at www.fgdc.gov.
- **Submission Requirements:** Recipients must submit a digital copy of all GIS data produced or collected under the award to the relevant bureau or office.
- **Data Format:** All GIS data files must be in an open format.
- **Metadata Requirements:** All delineated GIS data (such as points, lines, or polygons) should be compliant with approved open data standards and include complete feature-level metadata.

These requirements ensure that geospatial data is managed efficiently, used appropriately, and made accessible in a standardized format for future use and sharing. open data standards with complete feature level metadata.

2 CFR 1402.315 Availability of Data

(a) All data, methodology, factual inputs, models, analyses, technical information, reports, conclusions, valuation products or other scientific assessments in any medium or form, including textual, numerical, graphic, cartographic, narrative, or audiovisual, resulting from a financial assistance agreement is available for use by the Department of the Interior, including being available in a manner that is sufficient for independent verification.

(b) The Federal Government has the right to:

- (1) Obtain, reproduce, publish, or otherwise use the data, methodology, factual inputs, models, analyses, technical information, reports, conclusions, or other scientific assessments, produced under a federal award; and
- (2) Authorize others to receive, reproduce, publish, or otherwise use such data, methodology, factual inputs, models, analyses, technical information, reports, conclusions, or other scientific assessments, for federal purposes, including to allow for meaningful third-party evaluation.

SECTION G – DOCUMENTS INCORPORATED BY REFERENCE AND ORDER OF PRECEDENCE

G.1 Documents Incorporated By Reference

The following documents are hereby incorporated into this agreement by reference:

- 1) The Recipient's proposal.
- 2) The Recipient's application for financial assistance (SF424, SF424A, SF424B).

G.2 Order of Precedence

In the event of any inconsistency within this agreement, the following order of precedence shall be followed:

- 1) The cover page.
- 2) Sections A through F of this agreement.
- 3) Documents incorporated by reference (see G.1) in the order in which they are incorporated.

– END OF ASSISTANCE AWARD DOCUMENT –