



Nature-Based Solutions Workshop for Hazard Mitigation

American Samoa
August 25, 2021, via Zoom

Instructions

FEMA's BRIC Program Overview and Notice of Funding Opportunities

Nature-Based Solutions Workshop
August 25, 2021



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Building Resilient Infrastructure and Communities (BRIC)

Guiding Principles



Support Community Capability & Capacity Building



Encourage and Enable Innovation



Promote Partnerships



Enable Large Infrastructure Projects



Maintain Flexibility



Provide Consistency

Supports FEMA's Strategic Plan

1

Build a Culture of Preparedness

2

Ready the Nation for Catastrophic Disasters

3

Reduce the Complexity of FEMA

BRIC Priorities

- **Mitigate the risk to public infrastructure**
- Incentivize resilient investments in disadvantaged communities, as referenced in EO 14008 (Tackling the Climate Crisis at Home and Abroad)
- Mitigate risk to one or more community lifelines
- **Incorporate nature-based solutions**
- **Enhance climate resilience and adaptation**
- Incentivize the adoption and enforcement of the latest published editions of building codes

BRIC encourages mitigation projects that meet multiple program priorities



Non-Disaster Mitigation Grants Application Cycle and Funding Deadlines

NOFO posted to Grants.gov – August 9, 2021

Application period opens on September 30, 2021

Application period – September 30, 2021 – January 28, 2022

Submission deadline for applications is 3:00 PM ET on January 28, 2022

Eligibility and Technical Reviews – February – May 2022

System-related issues must be addressed by 3:00 PM ET on January 26, 2022

Selections – Summer 2022

Pre-Award Selection Notice: Anticipated in Summer 2022

Period of performance – 36/48 months from Award Acceptance

Period of Performance:

Start Date: When the recipient accepts the Award

End Date: All projects are 36 months from the date of the Award EXCEPT for FMA Community Flood Mitigation Projects which are 48 months from the Award date



Applicant and Subapplicant Eligibility

Who is eligible for funding?

Applicants:

- ✓ All 50 States
- ✓ U.S. territories
- ✓ Federally recognized Tribal Governments
- ✓ District of Columbia



District of Columbia



Subapplicants:

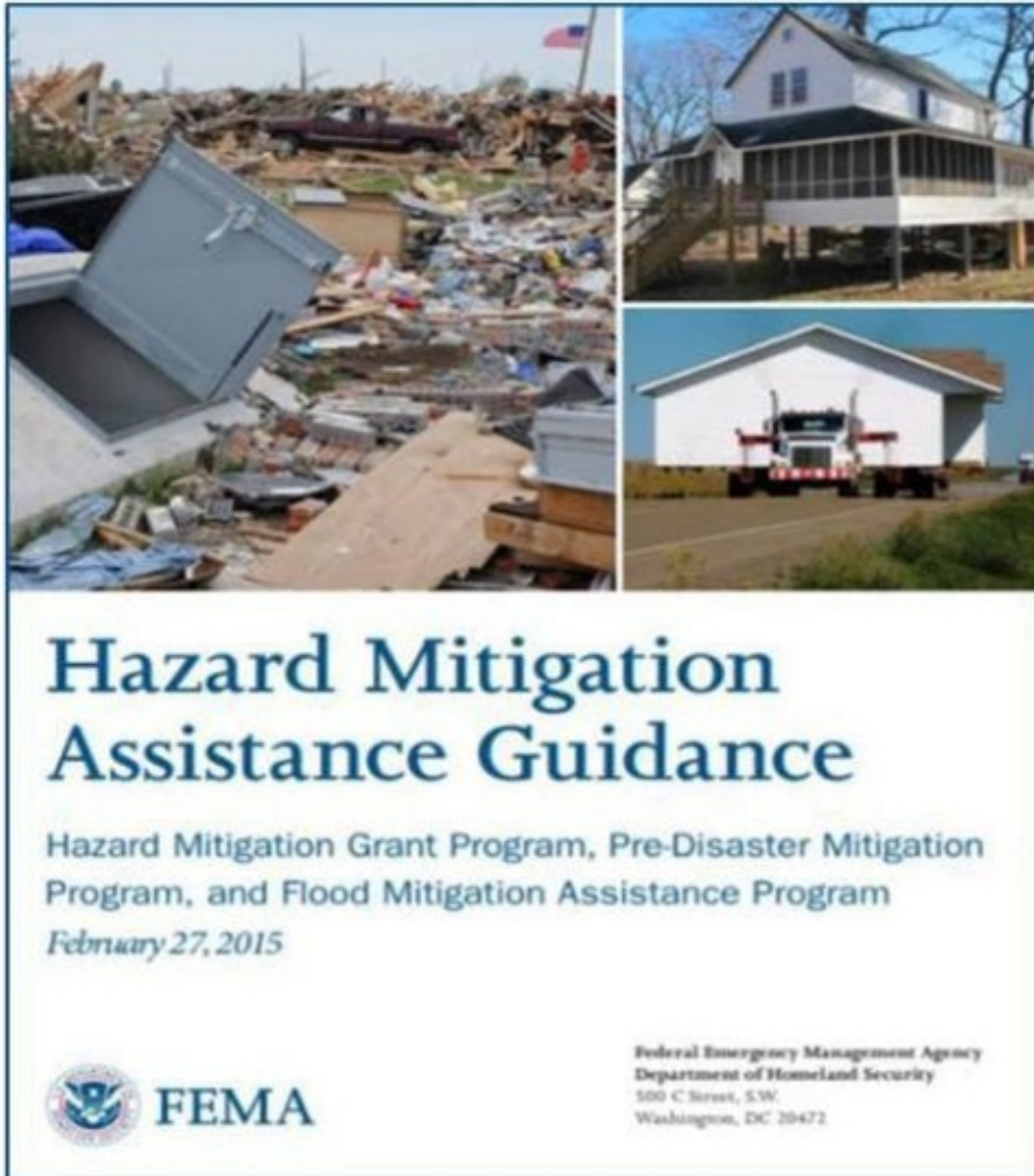
- ✓ Local Governments
- ✓ Tribal Governments
- ✓ State Agencies
- ✓ Tribal Agencies



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BRIC Eligible Activities

Existing Activities are Still Eligible



Expanded Eligibility Includes:

- Project scoping
- Building code activities
- Pre-award costs
- Additional activities for wildfire and wind implementation (DRRA Section 1205)
- Earthquake early warning (DRRA Section 1233)

Projects Must:

- Be cost-effective
- Reduce/eliminate risk and damage from future natural hazards
- Meet latest two consensus codes (i.e., 2018 or 2021 international building code)
- Align with Hazard Mitigation Plan
- Meet all environmental and historic preservation requirements



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Flood Mitigation Assistance (FMA) Eligible Activities

Mitigation Projects:

- Property Acquisition and Structure Demolition
- Property Acquisition and Structure Relocation
- Structure Elevation
- Mitigation Reconstruction
- Dry Floodproofing of Historic Structures
- Dry Floodproofing of Non-Residential Structures
- Localized Flood Risk Reduction Projects
- Structural Retrofitting of Existing Buildings
- Non-Structural Retrofitting of Existing Buildings and Facilities
- Infrastructure Retrofit
- Soil Stabilization
- Project Scoping – Individual Home & Community Flood
- Miscellaneous/Other**



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Cost Share Requirements

Cost Share:

Generally, FEMA will pay up to 75 percent of the total cost

- BRIC:
 - FEMA will pay up to 90 percent for Economically Disadvantaged Rural Communities
 - FEMA will pay up to 100 percent for management costs



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Overview of BRIC Changes for FY 2021

- Funding
 - *Total funding:* doubled to \$1 billion
 - *State/Territory Allocation:* increased by \$400,000 per Applicant (to \$1 million per Applicant)
 - ***Tribal Set Aside:* increased by \$5 million (to \$25 million total)**
 - **\$1 million available for federal share per applicant**
 - **\$500,000 available for Mitigation planning, or planning-related activities per applicant**
- Non-financial Direct Technical Assistance
 - Doubled number of communities (up to 20 communities)
 - Streamlined process
- Competition criteria
 - Incorporation of equity across multiple criteria
 - Tiered building codes points
 - Increased points for BCEGS
 - Total of 230 points available
- Economically Disadvantaged Rural Communities



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FY 2021 BRIC – Available Funding



\$1 Billion

- **State/Territory Allocation: \$56 million (up to \$1 million per Applicant)**
 - All 50 states, the District of Columbia, and U.S. territories may apply under the State/Territory Allocation
 - Any funds not awarded from the State/Territory Allocation will be re-allocated to the national competition
- **Tribal Set-Aside: \$25 million**
 - **All Indian tribal governments (federally recognized) may apply under the Tribal Set-Aside**
 - **Any funds not awarded from the Tribal Set-Aside will be re-allocated to the non-financial Direct Technical Assistance for tribes or the national competition**
- **National Competition for Mitigation Projects: \$919 million (estimated)**



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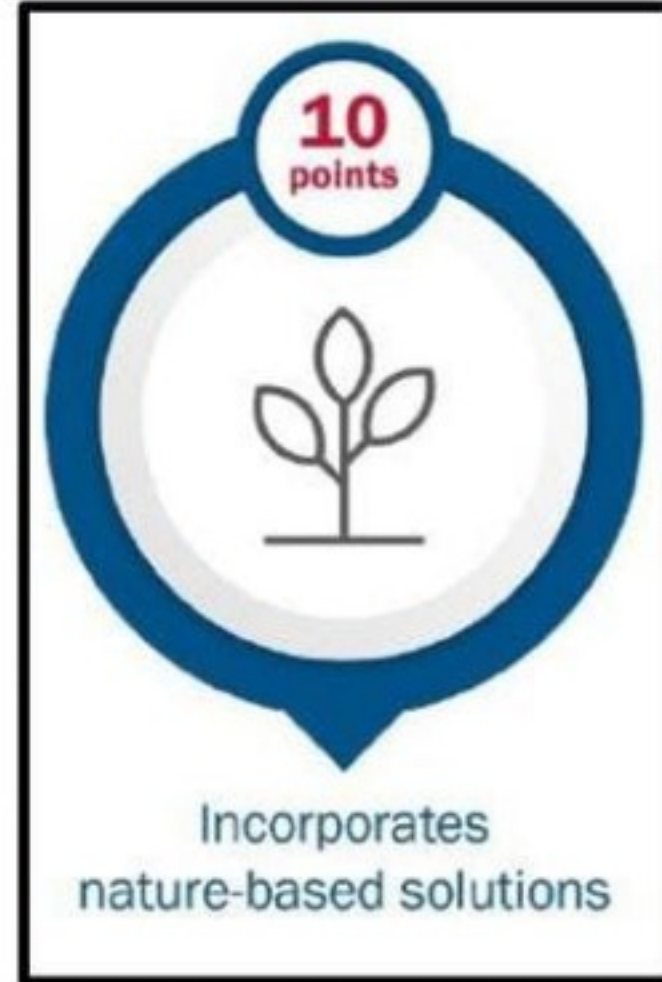
BRIC – Technical Criteria



Infrastructure project



Mitigates risk to one or more lifelines



Incorporates nature-based solutions



Applicant has mandatory tribal-, territory-, or state-wide building code adoption requirement
(recent versions of International Building Code and International Residential Code)



Subapplicant has Building Code Effectiveness Grading Schedule Rating of 1 to 5



Application generated from a previous qualifying award or the subapplicant is a past recipient of BRIC non-financial Direct Technical Assistance



A non-federal cost share of at least 30%
(or, for Economically Disadvantaged Rural Communities, a non-federal cost share of at least 12%)



Designation as an Economically Disadvantaged Rural Community

BRIC – Qualitative Criteria



**Risk Reduction /
Resiliency Effectiveness**



**Climate Change and
Other Future Conditions**



**Implementation
Measures**



**Population
Impacted**



**Outreach
Activities**



**Leveraging
Partners**



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BRIC – Direct Technical Assistance

Double the number of communities supported through Direct Technical Assistance

Non-financial Direct Technical Assistance will be provided to up to 20 selected communities to support the mitigation outcomes listed below:



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BRIC – Direct Technical Assistance

FEMA may prioritize Direct Technical Assistance for communities that:

- Have not received a project award under the Pre-Disaster Mitigation (PDM) program, FMA, or the Hazard Mitigation Grant Program (HMGP) within the past 5 years
- Have not received an Advance Assistance award under PDM, FMA, or HMGP within the past 5 years
- Are Tribal entities
- Are Economically Disadvantaged Rural Communities and/or benefit disadvantaged community
- Have demonstrated a compelling need (e.g., have significant social vulnerability, multiple major disaster declarations within the past 5 years, etc.)



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2021 BRIC and FMA Programs Webinar Series

Date and Time	Webinar Topic
August 16 2-3:30 pm ET	BRIC and FMA FY 2020 Data and Trends
August 18 2-3:30 pm ET	Where Equity Fits into the BRIC and FMA Program Design and Community Resilience
August 24 2-3:30 pm ET	Severe Repetitive Loss/Repetitive Loss Mitigation Priorities
August 26 2-3:30 pm ET	BRIC and FMA FY 2021 NOFO Webinar #2
September 8 2-3:30 pm ET	BRIC FY 2021 NOFO Technical and Qualitative Criteria
September 13 2-3:30 pm ET	BRIC and FMA FY 2021 NOFO Tribal Webinar
October 13 2-3:30 pm ET	Federal Agency Roundtable



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BRIC Program Support Materials

BRIC

- [BRIC Website](#)
- [FY 2021 BRIC Notice of Funding Opportunity](#)
- [BRIC Resources](#)
 - BRIC Technical Criteria
 - BRIC Qualitative Criteria
 - BRIC Building Codes Activities
 - BRIC Mitigation Planning Activities
 - BRIC Partnership Activities
 - BRIC Project Scoping Activities
 - BRIC Phased Projects
 - BRIC Direct Technical Assistance
 - BRIC Tribal Information
 - Mitigation Action Portfolio



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Additional Resources

- [Unified Hazard Mitigation Assistance Guidance & Addendum](#)
- Property Elevation and Acquisition Job Aids:
 - [Elevation Job Aid](#)
 - [Acquisition & Demolition Job Aid](#)
 - [Acquisition & Relocation](#)
- [HMA Cost Share Guide](#)
- [Benefit-Cost Analysis Toolkit](#)
- [Building Community Resilience with Nature Based Solutions: A Guide for Local Communities](#)

FEMA GO Helpline:

femago@fema.dhs.gov

1-877-611-4700

BCA Helpline:

BCHelpline@fema.dhs.gov

1-855-540-6744

Feasibility and Effectiveness Helpline:

FEMA-BuildingScienceHelp@fema.dhs.gov

Environmental and Historic Preservation:

EHPHelpline@fema.dhs.gov

1-866-222-3580

HMA Helpline:

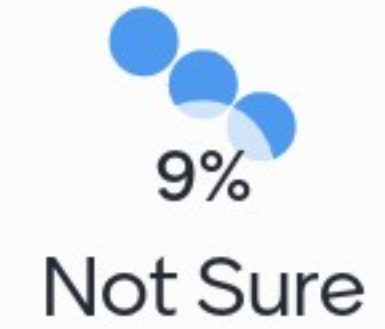
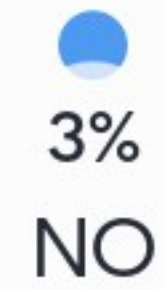
HMAGrantsHelpline@fema.dhs.gov

1-866-222-3580



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Are you planning to apply for BRIC funding to support your project?



Have you considered applying for direct technical assistance?



Are you considering the technical and qualitative criteria while planning your project?



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NO



We haven't started planning.

Additional Resources for Nature-Based Solutions

- American Samoa Specific Resources
- EPA Resources
- Environmental Law Institute Resources
- FEMA Resources
- NOAA Resources
- U.S. Army Corps of Engineers, Engineer Research Development
- USGS Resources
- Other Resources

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Nature-Based Solutions Resources

American Samoa Specific Resources

A Resilient Future for Coastal Communities, Federal Policy Recommendations from Solutions in Practice, October 2020
<https://www.eesi.org/papers/view/a-resilient-future-for-coastal-communities>

American Samoa's Coral Reef Advisory Group (CRAG)
CRAG is a collaboration of seven local agencies: the Department of Marine and Wildlife Resources (DMWR), the Department of Commerce (DOC)'s Coastal Zone Management Program (AS-CMP), the National Marine Sanctuary of American Samoa (NMSAS), the American Samoa Environmental Protection Agency (EPA), the American Samoa Community College (ASCC), the National Park of American Samoa (NPSA), and the US Fish and Wildlife Service's (FWS) Rose Atoll National Wildlife Refuge and Marine National Monument.
<https://www.crag.as>

Piggery Runoff Solutions
<https://www.ridgetoreefs.org/american-samoa-piggeries-project-home-page-protecting-american-samoa-s-coral-reefs-one-rain-garden-at-a-time>
<https://coralreef.noaa.gov/aboutcrp/news/featuredstories/nov15/raingarden.html>

American Samoa Watershed Assessment – Review Plan, March 2021, U.S. Army Corps of Engineers
https://www.poh.usace.army.mil/Portals/10/docs/projectreviewplans/AmericanSamoa%20Watershed%20Assessment%20Review%20Plan%2016APR21.pdf?ver=cy51KzVJSbEA_eBsx9DHWw%3D%3D

Climate Change in American Samoa, Report for the Pacific Islands, Regional Climate Assessment (PIRCA)
<https://www.eastwestcenter.org/system/tidf/private/climate-change-in-american-samoa-pirca-2021-low-res.pdf?file=1&type=node&id=40286>

Climate Related Vulnerability Assessment for Transportation Infrastructure, March 2020 Appendices, Climate Related Vulnerability Assessment for Transportation Infrastructure, March 2020
Fact Sheet by Jessica H. Podoski, P.E. U.S. Army Corps of Engineers
<https://journals.tdl.org/icce/index.php/icce/article/view/10142/9428>

Environmental and Energy Study Institute (EESI)
Fact Sheet: Federal Resources for Nature-Based Solutions to Climate Change, February 2020
<https://www.eesi.org/papers/view/fact-sheet-federal-resources-for-nature-based-solutions-to-climate-change>

Territory of American Samoa August 25, 2021

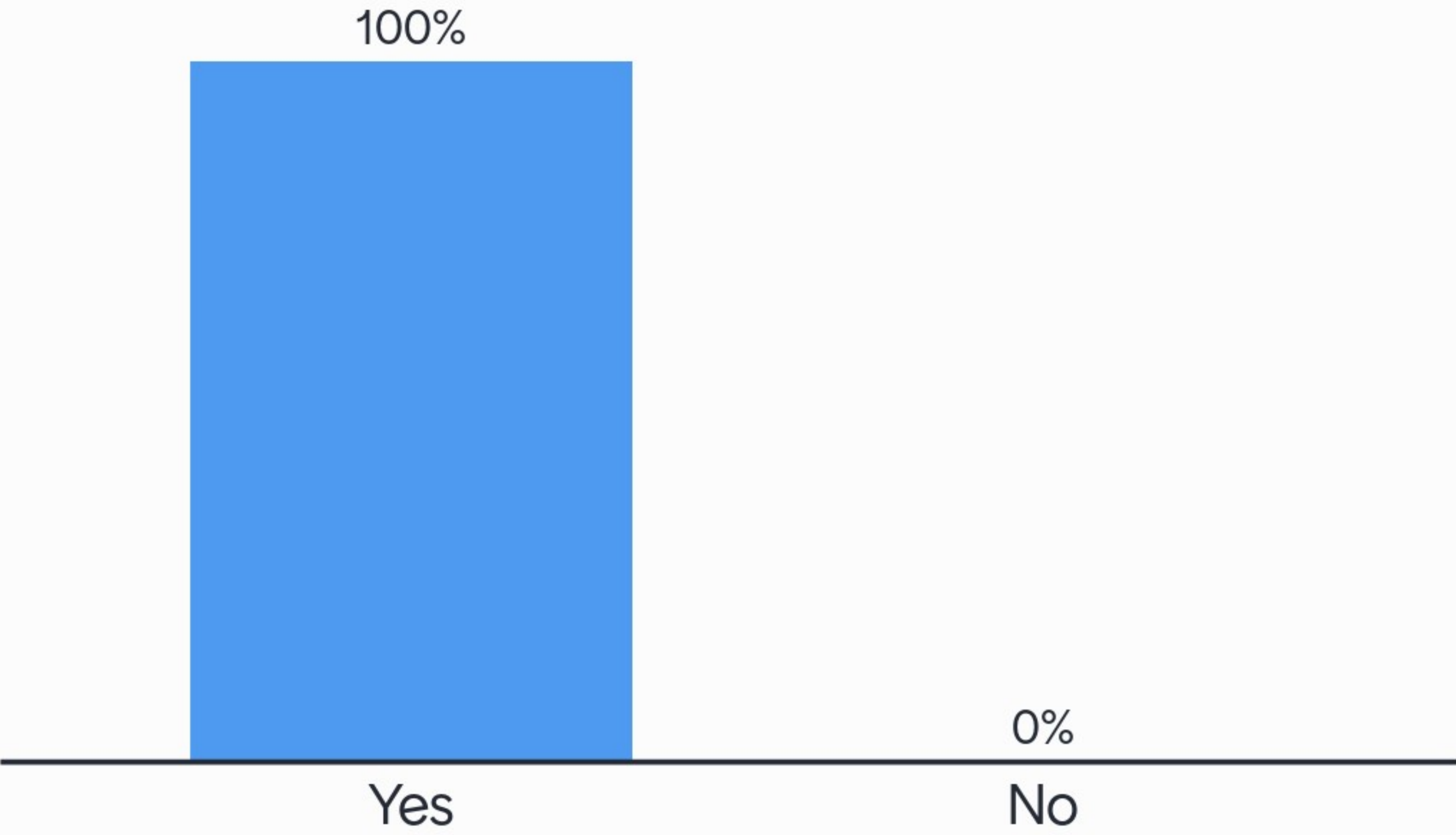
Instructions

Did this workshop expand your knowledge of nature-based solutions?

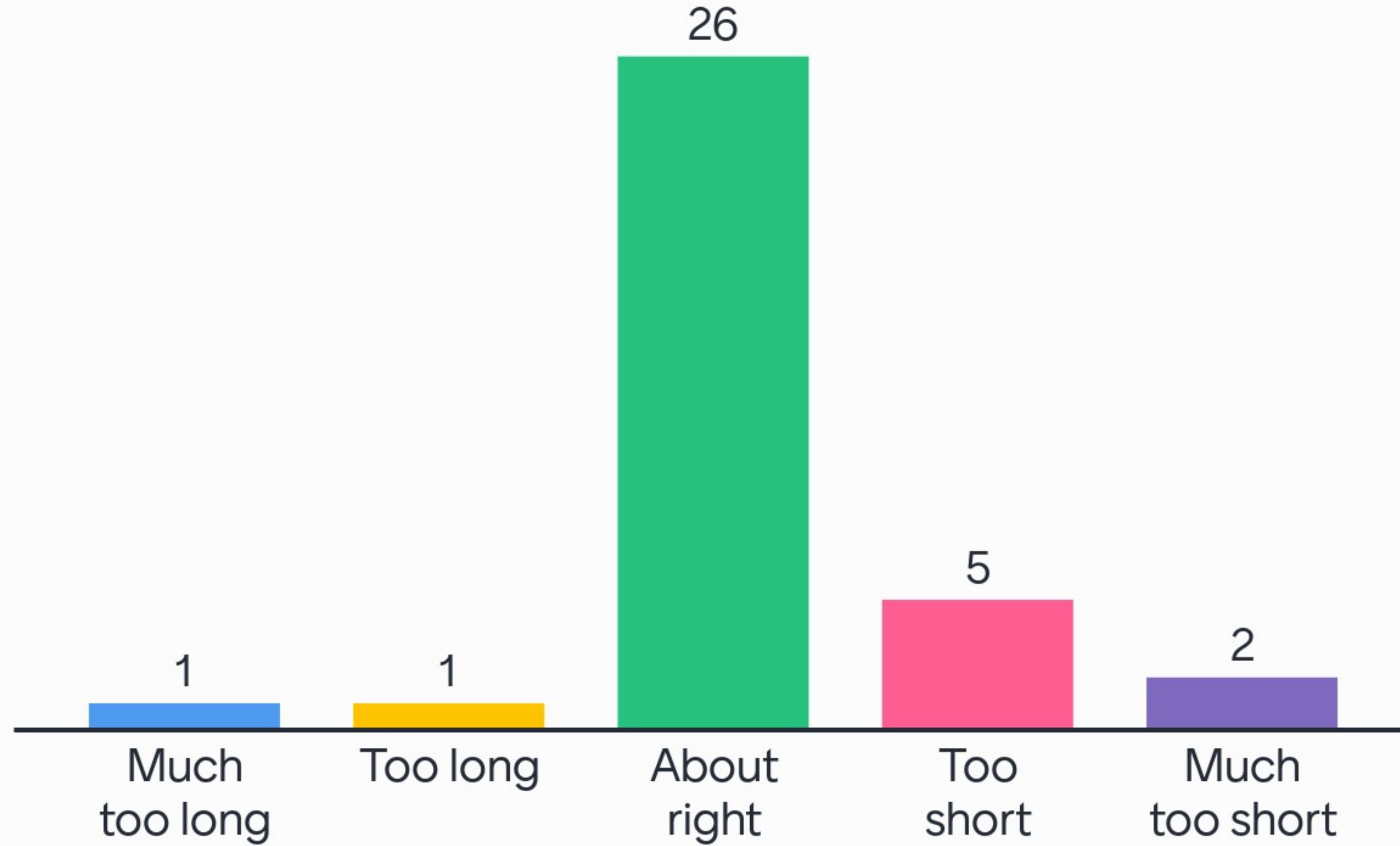


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No

Will you consider nature-based solutions in the future?



Was the workshop too long or too short?



What topics would you like to see in future workshops?



Overall, how would you rate this workshop?



THANK YOU!



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