

National Invasive Species Council (NISC) Crosscut Budget – FY 2023

September 26, 2023

Overview

In 1999, Executive Order 13112 established the National Invasive Species Council (NISC) to support coordination across the invasive species programs of federal agencies. In 2016, Executive Order 13751 expanded NISC membership, updated NISC duties, and reiterated the need for federal agencies to ensure that their invasive species-related activities are complementary, cost-efficient, and effective. The NISC FY 2023 Annual Work Plan includes the crosscut budget as a core coordination activity to enhance the value of interagency coordination on budgetary issues.

Since 2004, NISC member agencies have been collaborating in the development of these crosscut budgets. The exercise is intended to provide a foundation of information related to the financial resources NISC member agencies dedicate to invasive species. Coordination among agencies can build on this foundation to encourage federal agency cooperation on activities that might benefit from an interdepartmental approach or explore options for increased cost-effectiveness. The collection of this information is also critical for identifying broader patterns and trends in federal funding for invasive species activities over time.

This year's report compiles the following invasive species-related federal spending data:

- Agencies' actual expenditures for FY 2022
- Agencies' enacted expenditures for FY 2023
- Agencies' requests included in the President's proposed budget for FY 2024

When applicable, agencies also provided data on relevant funding for FY 2022 (Actual); FY 2023 (Enacted); and FY 2024 (Projected) received through the Infrastructure Investment and Jobs Act (IIJA), also known as the "Bipartisan Infrastructure Law".

Budget data are provided for the following NISC member departments and agencies (*bureaus are included where applicable*):

- **Department of Agriculture (USDA):** *Agricultural Research Service, Animal and Plant Health Inspection Service, Economic Research Service, National Institute of Food and Agriculture, Natural Resources Conservation Service, U.S. Forest Service*
- **Department of Commerce (DOC):** *National Oceanographic and Atmospheric Administration*
- **Department of Defense (DOD):** *U.S. Army Corps of Engineers*
- **Department of Homeland Security (DHS):** *Customs and Border Protection, U.S. Coast Guard*
- **Department of the Interior (DOI):** *Bureau of Indian Affairs, Bureau of Land Management, Bureau of Reclamation, National Park Service, Office of Insular Affairs, Office of the Secretary, U.S. Fish and Wildlife Service, U.S. Geological Survey*
- **Department of State (DOS)**
- **Department of Transportation (DOT):** *Federal Highway Administration, Saint Lawrence Seaway Development Corporation, U.S. Maritime Administration*

- **Environmental Protection Agency (EPA):** *Great Lakes Restoration Initiative*
- **National Aeronautics and Space Administration (NASA)**
- **U.S. Agency for International Development (USAID)**

Regarding other NISC members, the four White House Offices (Council for Environmental Quality, Office of Management and Budget, Office of Science and Technology Policy, and Office of the U.S. Trade Representative) are not included given their narrow focus on policy and interagency coordination. Funding utilized by the Department of Defense (except for budget data for the U.S. Army Corps of Engineers) and the Department of Health and Human Services is also excluded due to the absence of discrete allocations for these activities.

Reporting is reflected in seven functional categories (see Annex I for definitions):

- Prevention
- Early detection and rapid response
- Control and management
- Restoration
- Research
- Education and public awareness
- Leadership and international cooperation

Funding Tables

The following tables display funding to address invasive species activities by Department and functional category. In some cases, budget figures cannot be calculated until funds are allocated or collected for specific programs, projects, or grant awards. The FY 2023 enacted expenditures and 2024 President’s proposed budget data may exclude allocations not yet programmed for invasive species purposes. Figures may be further refined as activities are completed or agency budgeting methods are improved, and in some cases rounding of figures may result in slight discrepancies across agency totals. Given the notes above on limitations in agency data and uncertainties on future allocation and collections, the “totals” listed below may be interpreted as a lower bound on federal invasive species spending.

Funding for Invasive Species Activities

| FY 2022 Actual | | | | | | | | | | | |
|----------------------------------|----------------------|------------------|--------------------|--------------------|-------------------|------------------|-------------------|----------------|------------------|----------------------|----------------------|
| Category | DHS | DOC | DOD | DOI | DOS | DOT | EPA ¹ | NASA | USAID | USDA ² | Total |
| Prevention | 1,204,639,921 | 107,428 | 48,229,893 | 16,273,000 | 30,000 | 7,535,000 | 70,700,000 | - | 1,045,383 | 134,463,000 | 1,483,023,625 |
| Early Detection & Rapid Response | - | 34,100 | 38,660,818 | 27,719,000 | 4,507,556 | - | - | - | 686,364 | 402,694,000 | 474,301,838 |
| Control and Management | - | 418,294 | 93,109,456 | 77,331,000 | 13,656,265 | - | - | - | 2,136,192 | 679,829,000 | 866,480,207 |
| Research | - | 1,698,787 | 29,142,163 | 25,824,000 | 7,751,542 | - | - | 556,929 | 709,309 | 489,037,000 | 554,719,730 |
| Restoration | - | - | 16,711,734 | 6,392,000 | 475,000 | - | - | - | 718,223 | 64,573,000 | 88,869,957 |
| Education and Public Awareness | - | 150,177 | 9,070,043 | 685,000 | 30,000 | - | - | - | 1,619,456 | 87,227,000 | 98,781,676 |
| Leadership/ Int'l Cooperation | - | - | 2,180,986 | 1,774,000 | 250,000 | 40,000 | - | - | - | 427,000 | 4,671,986 |
| Total | 1,204,639,921 | 2,408,786 | 237,105,093 | 155,998,000 | 26,700,363 | 7,575,000 | 70,700,000 | 556,929 | 6,914,927 | 1,858,250,000 | 3,570,849,019 |

| FY 2022 IJJA Actual | | | | | | | | | | | |
|----------------------------------|----------|------------------|------------------|-------------------|----------|----------|------------------|----------|----------|-------------------|-------------------|
| Category | DHS | DOC | DOD | DOI | DOS | DOT | EPA ¹ | NASA | USAID | USDA ² | Total |
| Prevention | - | - | - | 962,000 | - | - | - | - | - | 5,017,000 | 5,979,000 |
| Early Detection & Rapid Response | - | - | - | 8,468,000 | - | - | - | - | - | 5,017,000 | 13,485,000 |
| Control and Management | - | 2,004,800 | 3,143,000 | 20,079,000 | - | - | - | - | - | 5,017,000 | 30,243,800 |
| Research | - | - | - | 592,000 | - | - | - | - | - | 3,500,000 | 4,092,000 |
| Restoration | - | 400,000 | - | - | - | - | - | - | - | 2,961,000 | 3,361,000 |
| Education and Public Awareness | - | - | - | 43,000 | - | - | - | - | - | - | 43,000 |
| Leadership/ Int'l Cooperation | - | - | - | 28,000 | - | - | - | - | - | 2,000,000 | 2,028,000 |
| Total | - | 2,404,800 | 3,143,000 | 30,172,000 | - | - | - | - | - | 23,512,000 | 59,231,800 |

¹ EPA funding for invasive species is provided through the Great Lakes Restoration Initiative (GLRI). EPA does not allocate funding for the GLRI according to the functional categories utilized by NISC. Therefore, GLRI funding, which also includes allocations to other Departments, is displayed under Prevention even though it contributes to activities in multiple functional categories.

² ARS research impacts all IS categories: Prevention, Early Detection & Rapid Response (EDRR), Control, Restoration, Education & Public Awareness, and Leadership & International Cooperation.

Funding for Invasive Species Activities

| FY 2023 Enacted | | | | | | | | | | | |
|----------------------------------|--------------------|------------------|--------------------|--------------------|-------------------|------------------|-------------------|------------------|------------------|----------------------|----------------------|
| Category | DHS | DOC | DOD | DOI | DOS | DOT | EPA ¹ | NASA | USAID | USDA ² | Total |
| Prevention | 601,428,635 | 123,838 | 68,764,516 | 17,890,000 | 30,000 | 1,135,000 | 62,000,000 | - | 1,221,365 | 105,962,000 | 858,555,354 |
| Early Detection & Rapid Response | - | 58,872 | 32,132,573 | 25,635,000 | 5,008,911 | - | - | - | 750,000 | 399,648,000 | 463,233,356 |
| Control and Management | - | 329,155 | 129,866,391 | 91,386,000 | 15,374,563 | - | - | - | 2,235,364 | 581,485,000 | 820,676,473 |
| Research | - | 1,389,807 | 13,648,860 | 25,502,000 | 5,897,443 | - | - | 1,636,535 | 765,000 | 472,987,000 | 521,826,645 |
| Restoration | - | - | 44,633,550 | 7,031,000 | 475,000 | - | - | - | 805,608 | 47,000,000 | 99,945,158 |
| Education and Public Awareness | - | 117,508 | 16,334,389 | 651,000 | 30,000 | - | - | - | 112,000 | 87,166,000 | 104,410,897 |
| Leadership/ Int'l Cooperation | - | - | 5,269,088 | 2,197,000 | 888,500 | 500,000 | - | - | 30,000 | 8,173,000 | 17,057,588 |
| Total | 601,428,635 | 2,019,180 | 310,649,367 | 170,292,000 | 27,704,417 | 1,635,000 | 62,000,000 | 1,636,535 | 5,919,337 | 1,702,421,000 | 2,885,705,471 |

| FY 2023 IIJA Enacted | | | | | | | | | | | |
|----------------------------------|----------|------------------|------------------|-------------------|----------|----------|------------------|----------|----------|--------------------|--------------------|
| Category | DHS | DOC | DOD | DOI | DOS | DOT | EPA ¹ | NASA | USAID | USDA ² | Total |
| Prevention | - | 868,221 | - | - | - | - | - | - | - | 51,339,000 | 52,207,221 |
| Early Detection & Rapid Response | - | - | - | - | - | - | - | - | - | 32,633,000 | 32,633,000 |
| Control and Management | - | 76,000 | 3,995,000 | 5,515,000 | - | - | - | - | - | 148,291,000 | 157,877,000 |
| Research | - | - | - | - | - | - | - | - | - | 74,239,000 | 74,239,000 |
| Restoration | - | - | - | - | - | - | - | - | - | 2,000,000 | 2,000,000 |
| Education and Public Awareness | - | 100,000 | - | - | - | - | - | - | - | 716,000 | 816,000 |
| Leadership/ Int'l Cooperation | - | - | - | 24,200,000 | - | - | - | - | - | 449,000 | 24,649,000 |
| Total | - | 1,044,221 | 3,995,000 | 29,715,000 | - | - | - | - | - | 309,667,000 | 344,421,221 |

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² ARS research impacts all IS categories: Prevention, Early Detection & Rapid Response (EDRR), Control, Restoration, Education & Public Awareness, and Leadership & International Cooperation.

Funding for Invasive Species Activities

| FY 2024 President's Proposed Budget | | | | | | | | | | | |
|-------------------------------------|-----|------------------|--------------------|--------------------|-------------------|----------------|-------------------|------|------------------|----------------------|----------------------|
| Category | DHS | DOC | DOD | DOI | DOS | DOT | EPA ¹ | NASA | USAID | USDA ² | Total |
| Prevention | - | 1,200 | 53,813,903 | 17,308,000 | 30,000 | 500,000 | 62,000,000 | - | 399,670 | 110,089,000 | 244,141,773 |
| Early Detection & Rapid Response | - | 62,000 | 23,938,006 | 25,734,000 | 5,000,000 | - | - | - | 30,000 | 402,130,000 | 456,894,006 |
| Control and Management | - | 210,428 | 96,245,469 | 97,529,000 | 17,554,563 | - | - | - | 1,007,245 | 591,578,000 | 804,124,705 |
| Research | - | 1,023,200 | 7,650,562 | 25,684,000 | 5,734,693 | - | - | - | 55,700 | 474,114,000 | 514,262,155 |
| Restoration | - | 1,000 | 17,676,101 | 7,352,000 | 475,000 | - | - | - | 120,000 | 48,000,000 | 73,624,101 |
| Education and Public Awareness | - | - | 9,714,638 | 771,000 | 30,000 | - | - | - | 80,500 | 87,523,000 | 98,119,138 |
| Leadership/ Int'l Cooperation | - | - | 2,302,165 | 2,292,000 | 888,500 | 60,000 | - | - | 5,000 | 8,173,000 | 13,720,665 |
| Total | - | 1,297,828 | 211,340,844 | 176,670,000 | 29,712,756 | 560,000 | 62,000,000 | - | 1,698,115 | 1,721,607,000 | 2,204,886,543 |

| FY 2024 IJIA Projected | | | | | | | | | | | |
|----------------------------------|-----|---------------|----------------|-------------------|-----|-----|------------------|------|-------|--------------------|--------------------|
| Category | DHS | DOC | DOD | DOI | DOS | DOT | EPA ¹ | NASA | USAID | USDA ² | Total |
| Prevention | - | - | - | - | - | - | - | - | - | 151,339,000 | 151,339,000 |
| Early Detection & Rapid Response | - | - | - | - | - | - | - | - | - | 32,633,000 | 32,633,000 |
| Control and Management | - | 27,200 | 150,000 | 5,680,000 | - | - | - | - | - | 148,291,000 | 154,148,200 |
| Research | - | - | - | - | - | - | - | - | - | 74,239,000 | 74,239,000 |
| Restoration | - | - | - | - | - | - | - | - | - | 2,000,000 | 2,000,000 |
| Education and Public Awareness | - | - | - | - | - | - | - | - | - | 716,000 | 716,000 |
| Leadership/ Int'l Cooperation | - | - | - | 23,656,000 | - | - | - | - | - | 449,000 | 24,105,000 |
| Total | - | 27,200 | 150,000 | 29,336,000 | - | - | - | - | - | 409,667,000 | 439,180,200 |

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ANNEX I

General Category Definitions for Invasive Species Inter-Agency Crosscut Budget

Prevention: the action of stopping invasive species from being introduced or spreading into a new ecosystem. (E.O. 13751)

Early Detection and Rapid Response (including Eradication)

- Early Detection: a process of surveying for, reporting, and verifying the presence of a non-native species before the founding population becomes established or spreads so widely that eradication is no longer feasible. (EDRR Framework 2015)
- Rapid Response: A process that is employed to eradicate the founding population of a non-native species from a specific location. (EDRR Framework 2015)
- Eradication: the removal or destruction of an entire population of invasive species. (E.O. 13751)

Control: containing, suppressing, or reducing populations of invasive species. (E.O. 13751)

Restoration: actions taken to assist the recovery of species, ecosystems, or other national assets that have been adversely impacted by invasive species.

Research: the study of invasive species and/or the process of biological invasion.

Education and Public Awareness: initiatives intended to make the public aware of the invasive species issue and inspire the public to take actions necessary to reduce the risk of the introduction, spread, and impact of invasive species.

Leadership and International Cooperation

- Leadership: actions taken to provide the direction, oversight, and coordination to prevent, eradicate, and/or control invasive species, as well as restore ecosystems and other assets impacted by invasive species.
- International Cooperation: partnerships with other countries undertaken with the mutual intent to address the invasive species issue.