

U.S. NATIONAL INVASIVE SPECIES COUNCIL

Coordination at Various Scales

PICES-Advisory Panel on Non-Indigenous Species:
October 26, 2024

Outline

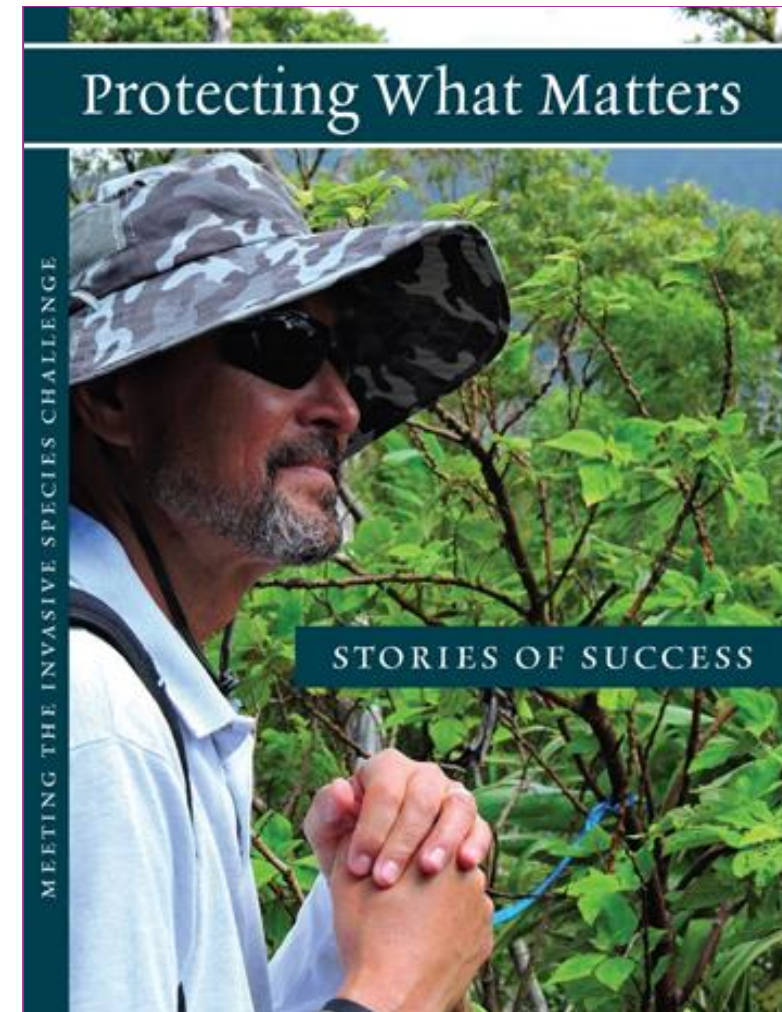
- NISC Composition & Background
- Science & Management Frameworks
- Regional Coordination



NISC Background

- Established by Executive Order 13112 (1999)
 - Updated by E.O. 13751 (2016)
- Work guided by
 - Management Plans (2001, 2008, 2016)
 - Annual Work Plans (2020, 2021, 2022, 2023, 2024)

Provide the vision and national leadership necessary to coordinate, sustain, and expand federal efforts to safeguard the interests of the United States through the prevention, eradication, and control of invasive species, and through the restoration of ecosystems and other assets impacted by invasive species.



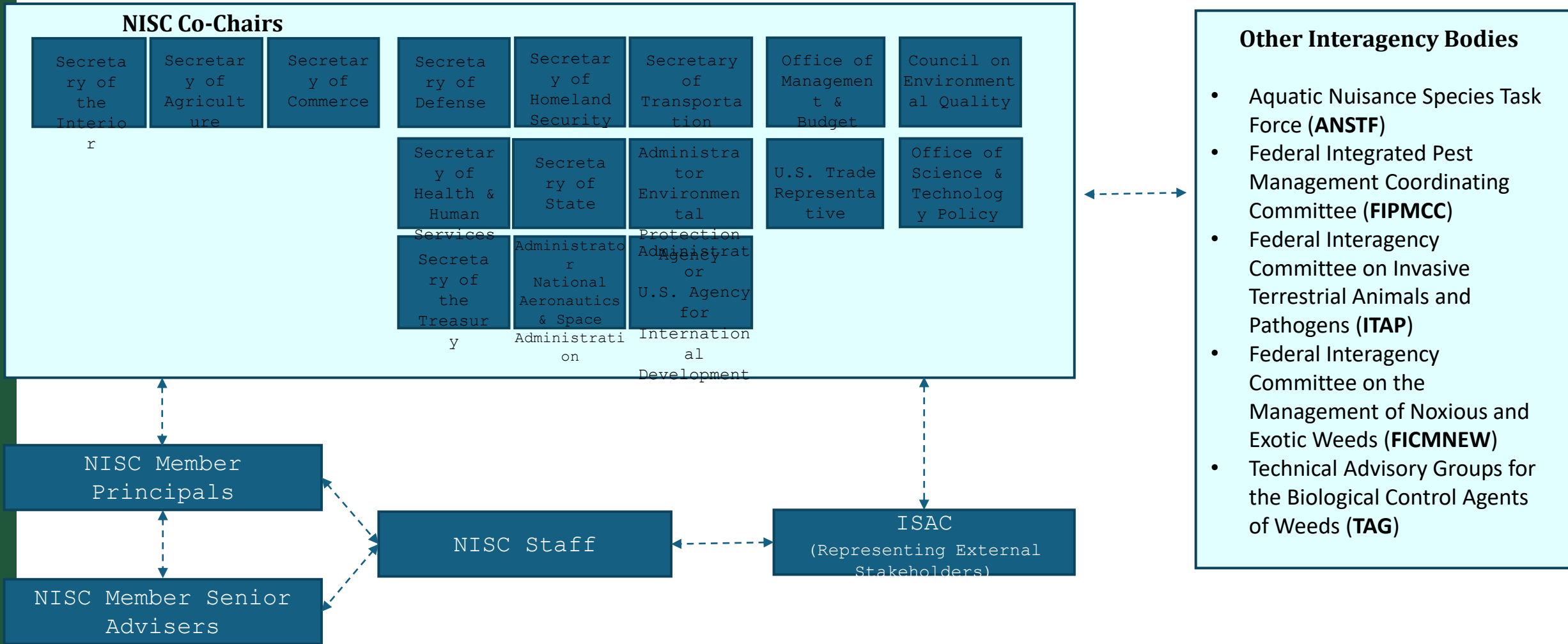
NISC Members



Executive Orders 13112 (Feb. 3, 1999) and 13751 (Dec. 5, 2016)



NISC Structure



NISC Roles

- Whole of government approach
- Interagency coordination
- Agency roles and authorities
- Stakeholder interface



NISC FY 2025 Annual Work Plan Priorities

Core Coordination Activities

- Crosscut budget
- Co-Chair and Senior Adviser meetings
- Coordination with other interagency committees
- Informational updates and materials
- Workshops and webinars
- Response to agency requests
- Invasive Species Advisory Committee
- Horizon scanning

Thematic Priority Activities

- Climate Change
- Wildland Fire
- Early Detection and Rapid Response
- Information Management
- Biological Control
- Islands
- Interagency Dialogues
 - National Security
 - OneHealth

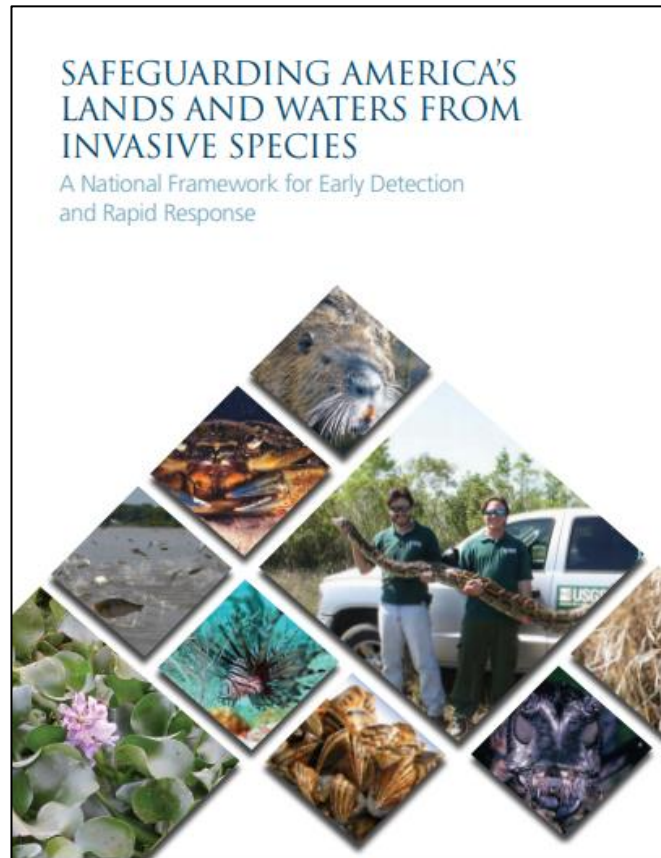
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Early Detection & Rapid Response (EDRR)

Output: Support for agency and interagency efforts to operationalize a national EDRR framework with a particular focus on addressing capacity needs and integrating the Council's past outputs on EDRR.



Special Issue: Journal of Biological Invasions

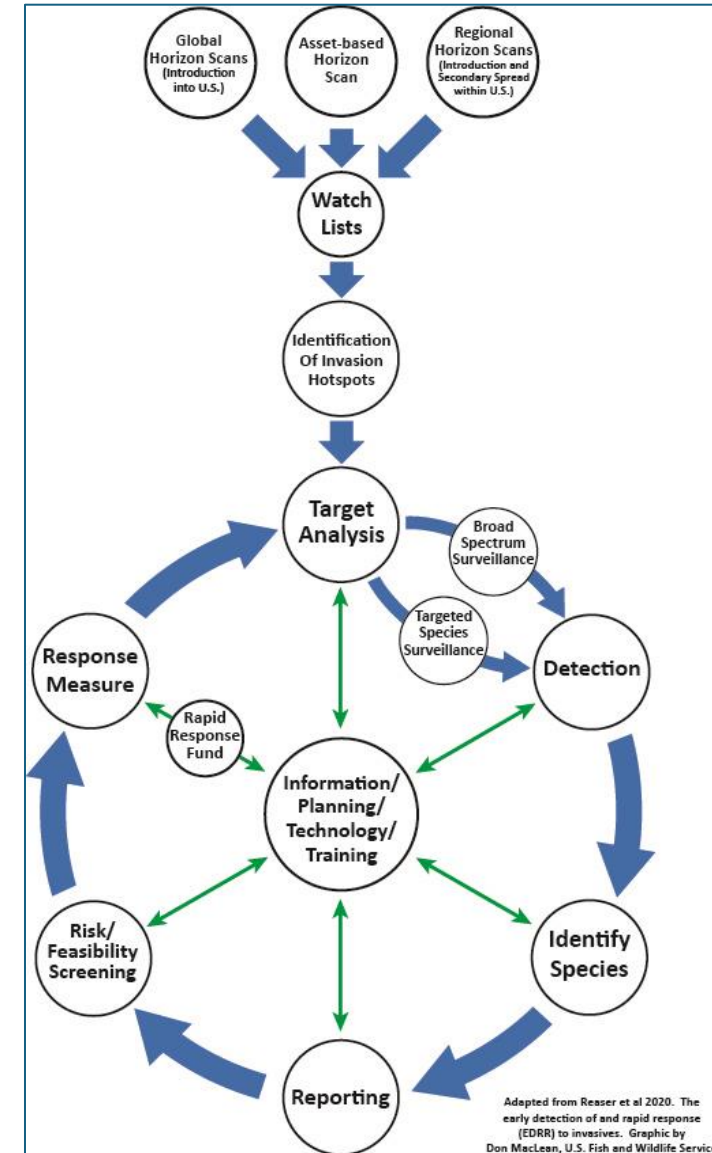
1. The early detection of and rapid response (EDRR) to invasive species: a **conceptual framework** and federal capacities assessment (Reaser et al.)
2. Envisioning a national invasive species **information framework** (Reaser et al.)
3. Enabling decisions that make a difference: guidance for improving **access to and analysis of invasive species information** (Wallace et al.)
4. Invasive species **watch lists**: guidance for development, communication, and application (Reaser et al.)
5. Instituting a national early detection and rapid response

7. **Technology innovation**: advancing capacities for the early detection of and rapid response to invasive species (Martinez et al.)
8. Capacity of United States federal government and its partners to rapidly and accurately report the identity (**taxonomy**) of non-native organisms intercepted in early detection programs (Lyal & Miller)
9. **Federal legal authorities** for the early detection of and rapid response to invasive species (Burgos-Rodríguez & Burgiel)
10. **Federal legal authorities**: guidance for application to the early detection of and rapid response to invasive species (Burgos-Rodríguez & Burgiel)
11. The **incident command system**: a framework for rapid response to biological

National EDRR Framework

Components supported through DOI and USFS

- Horizon scans and hotspot analyses
- eDNA molecular laboratory network
- Rapid response fund (pilot through ANSTF)
- Interjurisdictional rapid response team (DOI)
- National information system (SIREN)
- Citizen science (WildSpotter-USFS)
- Interdepartmental coordination (NISC)
- Stakeholder input (ISAC and ANSTF)



Wildland Fire & Invasive Species: Road Map

1. Facilitate coordination and communication
2. Develop science support for implementation
3. Identify and support outputs in key geographies



Guinea Grass, Hawaii, Clay Trauernicht



Buffelgrass, mpsaz



Red Brome, Mojave Desert, Kimberleigh Field



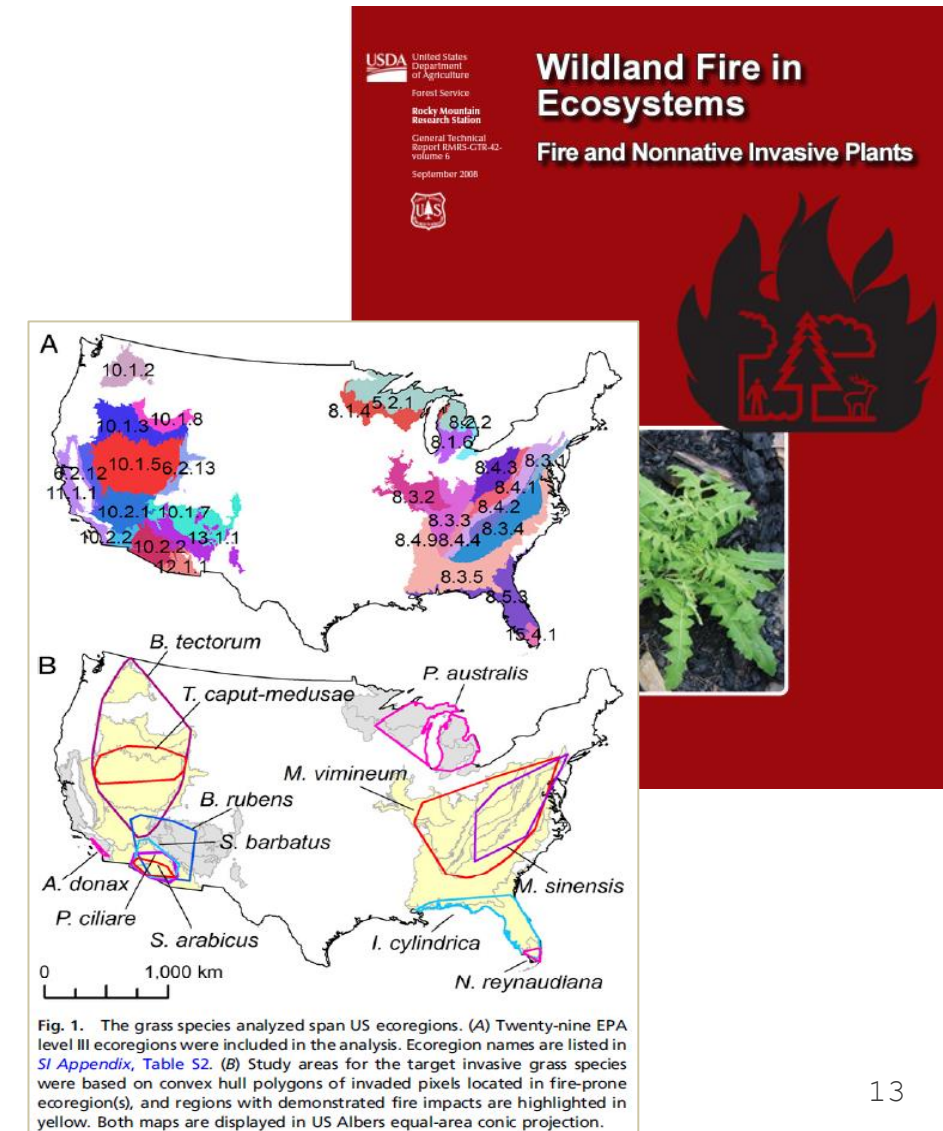
Cogongrass, Alabama Extension



Cheatgrass, NV, DOI/BLM

Wildland Fire & Invasive Species Research

- **Information Collation:** Research agenda with priority scientific and management questions; synthesis of existing research.
- **Joint Fire Science Program:** Research focus on invasive plants and wildfire interactions and management
- **State of the Science:** Book reviewing existing ecoregional knowledge of invasive plants and



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International and Regional Engagement

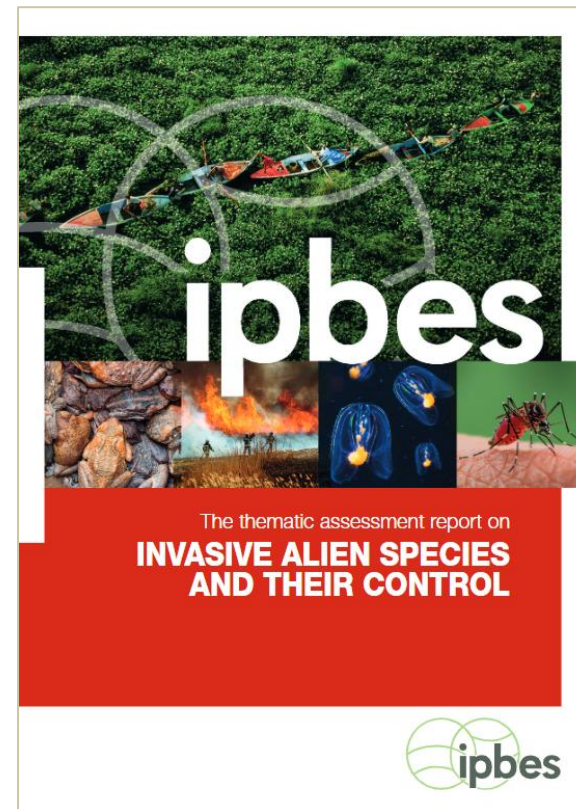


Cheatgrass, NV, DOI/BLM

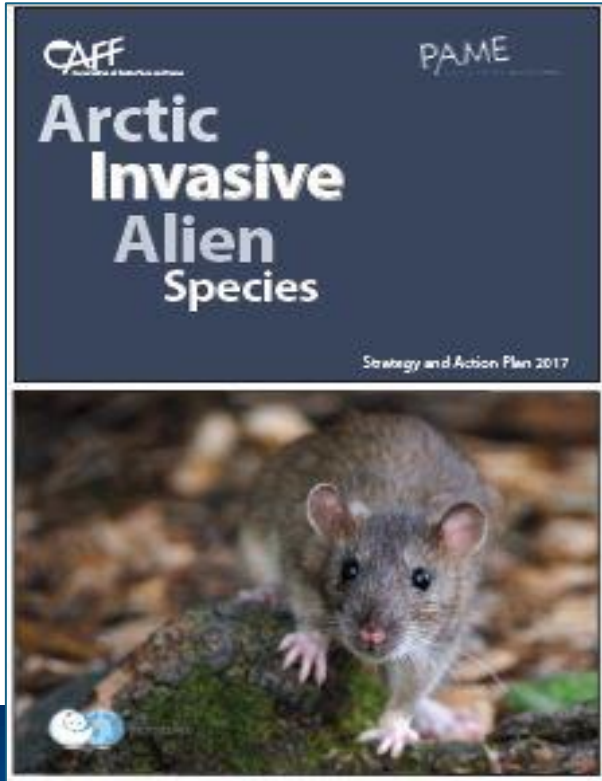
- International
- Regional/Bilateral
- National/Subnational

International Engagement

- **Multilateral Agreements**
 - Convention on Biological Diversity
 - Ramsar Convention on Wetlands
 - Convention on Migratory Species
 - International Plant Protection Convention
- **International Organizations**
 - Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services: Thematic Assessment Report on Invasive Alien Species and Their Control
 - IUCN-International Union for the Conservation of Nature
 - Invasive Species Specialist Group



Regional Engagement



- Group of 7: Initiative on Invasive Alien Species
- Arctic Invasive Alien Species Strategy (Arctic Council)
- Regional Biosecurity Program for Hawaii and Micronesia
- North America
 - Trilateral Committee for Wildlife and Ecosystem Conservation and Management
 - Commission on Environmental Cooperation
- Bilateral and regional free trade agreements: environment chapters and cooperation
- Multilateral development banks: safeguard policies



National and Subnational Engagement

Invasive Species Advisory Committee (ISAC)

- Established by E.O. 13112 in 1999
- From 2000-2019
 - Held more than 35 meetings
 - Included more than 250 non-federal experts
 - Produced 20 white papers, 2 memos, and 189 recommendations
 - Provided advice on Management Plan elements, as well as substantive and operational issues
- Committee was inactive 2019-2022
- Reconstituted in 2022

National Invasive Species Council

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ISAC White Papers

The Invasive Species Advisory Committee (ISAC) was created by Executive Order 13112 and continued by Executive Order 13751 to provide advice to the NISC on invasive species. It was placed in administratively inactive status on May 2, 2019, and re-authorized on October 1, 2021. Below are products the ISAC generated from 2006 to 2019.

ISAC White Papers and Memoranda

2016–2019

- [The Interface Between Invasive Species and the Increased Incidences of Tick-Borne Diseases, and the Implications for Federal Land Managers](#) | May 2019
- [ISAC Memorandum](#) | May 2019
- [ISAC Memorandum](#) | March 2018
- [Reducing the Risk of Invasive Pathogens to Wildlife Health in the United States](#) | March 2018
- [Managed Relocation: Reducing the Risk of Biological Invasion](#) | December 2017
- [Advanced Biotechnology Tools for Invasive Species Management](#) | December 2017
- [Enhancing Federal-Tribal Coordination of Invasive Species](#) | December 2017
- [Strengthening Federal-State Coordination](#) | March 2017
- [Invasive Species Impacts on Infrastructure](#) | December 2016
- [Addressing the Needs of Classical Biological Control Programs](#) | July 2016

Invasive Species Advisory Committee (ISAC)



November 2023

- Climate Change
 - Impacts on ecosystem & community resilience
- Underserved Communities
 - Tools for identification and barriers to meaningful support
- National Priorities

April/May 2024

- National EDRR Framework
 - Mission and metrics

October 2024

- Islands
- National EDRR Framework
 - Engagement and coordination





Questions

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