



Established 2010

“Most of wildlife conservation troubles are due to a lack of organization. Wildlife interests remind me of an unorganized army beaten in every battle, zealous and brave but unable to combat trained legions who are organized to get what they want.”

Jay Norwood “Ding” Darling

Invasive Species

USA - Federal agencies/institutions with entities that have authority, and/or have divisions or programs pertaining to non-native & invasive species ~ **176** ✓

Federal Agencies:

U.S. Department of Agriculture (82)
U.S. Department of the Interior (53)
U.S. Department of Commerce (10)
U.S. Department of Defense (5)
U.S. Department of Health and Human Services (2)
U.S. Department of Homeland Security (4)
U.S. Department of State (1)
U.S. Department of Transportation (2)
U.S. Environmental Protection Agency (10)
NASA (3)
NSF (2)
Smithsonian Institution (2)



Source: NISC

2010 - Two Workshops

- 64 Participants - 9 Centers/
Institutes/Labs/Networks
- Canada, Mexico, & USA

Agreed to form a network -

- NAISN established in 2010
- 501(C)3 non-profit organization
- Startup funding provided by the
Commission of Environmental
Cooperation



NAISN is comprised of:

A Board of Directors (Hub Directors)

Hubs - Regional or Thematic

Nodes- Agencies and other organizational entities with a recognized role in invasive species management and members of a hub

Affiliates- Individuals with an interest in invasive species issues.

NAISN's Overall Goal –

**Enhance existing invasive species
management efforts in North America**



Scope of the Network:

**Canada, Mexico, and the
United States – and all of their
protectorates**



Mission Statement:

A consortium that uses a coordinated network to advance science-based understanding and enhance management of non-native invasive species

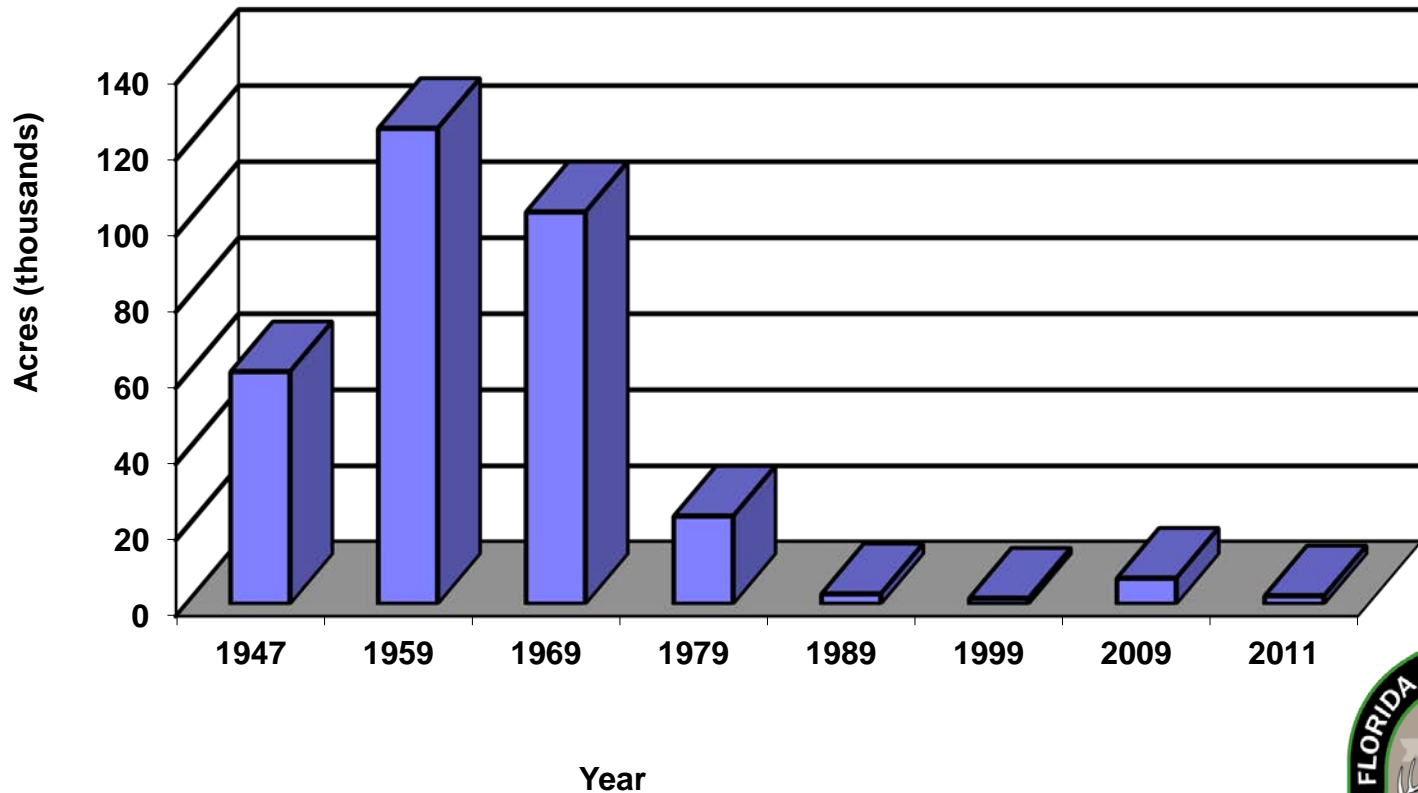
NAISN HUBS/NODE 2013





Invasive Aquatic Plants

Water hyacinth populations in Florida over time





NAISN 10 Essential Core Invasive Species Management Resource Services

- 1. Prevention**
- 2. Survey for ED**
- 3. RR and eradication**
- 4. Prioritize and MC**
- 5. Develop partnerships**
- 6. Increase public awareness**
- 7. Conduct research**
- 8. Develop best management**
- 9. Data management**
- 10. Evaluate**

Source: NAISN 5 Year Business Strategy (2013)



**What are some of the
NAISN core services for
improving invasive species
management in North
America?**



NAISN HUB - USA



**Center for Invasive Species
and Ecosystem Health
BUGWOOD NETWORK**



**University
of Georgia,
USA**

- Main Service Areas:
- Information technology
- Plants and animals
- Extensive databases, images
- Hosts 30 websites
- EDD MAPS, Apps





NAISN HUB - USA

niiss

The National Institute of
Invasive Species Science

National Institute of Invasive Species Science

Main Service Areas:

- National clearinghouse for IS occurrences
- Research
- IS distribution modeling
- National forecasting invasions
- ED and RR alert systems
- Community based monitoring
- Data Management and Mapping
- Citizen Science

**Colorado
State
University®**

Knowledge to Go Places



NAISN HUB - USA



UF/IFAS Center for Aquatic & Invasive Plants

Main Service Areas:

- Expertise in aquatic, wetland, & upland plant management
- Research – herbicides
- Extension
- Public education in schools, plant camp
- Research database
- Websites



“5 Day Plant Camps” for Science teachers or “Teach the teachers”

- Provides student lessons, teacher guides, activities, materials, field experience
- Covers aquatic, wetland, & upland invasive plants
- Limited to 24 teachers per plant camp
- >250 teachers have attended

NAISN looking to
expand this effort



UF UNIVERSITY of
FLORIDA

IFAS Extension
*Center for Aquatic
and Invasive Plants*



NAISN HUB - CANADA



ISRI

Invasive Species Research Institute

Main Service Areas:

- Ontario
- Upland plant invasions
- Research
- Microbial soil ecology & IS
- Education and outreach
- Surveillance, mapping, early detection
- Data analysis/statistical analysis/study design services





NAISN HUB – MEXICO



Invasive Species Program

The National Commission for the Knowledge and Use of Biodiversity

Main Service Areas:

- National IS information system
- ID information gaps
- Leadership and coordination
- Invasive species management priorities
- Tools for risk analysis
- Workshops, conferences
- Partnerships



Conabio

Comisión nacional para el conocimiento y uso de la biodiversidad



NAISN HUB - USA



Center for Invasive Species Management Main Service Areas:

- Management of invasive species- Western States
- Supports research
- Education and outreach
- Building coalitions, partnerships
- Online courses/trainings/webinars
- Hosts 4 partner websites





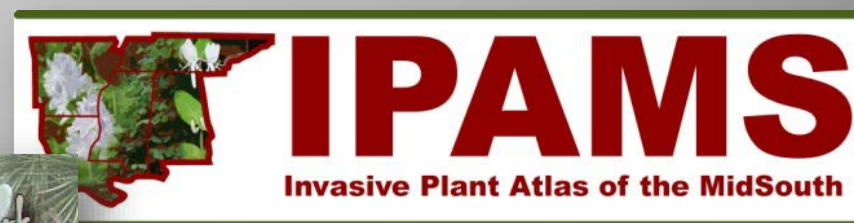
NAISN Hub - USA

MISSISSIPPI STATE
UNIVERSITY™

Invasive Species Program

Main Service Areas:

- Taxonomic expertise
- Early detection services
- Invasive plant and insect expertise
- Invasive species management and control research
- Cactus moth detection



Geosystems Research Institute





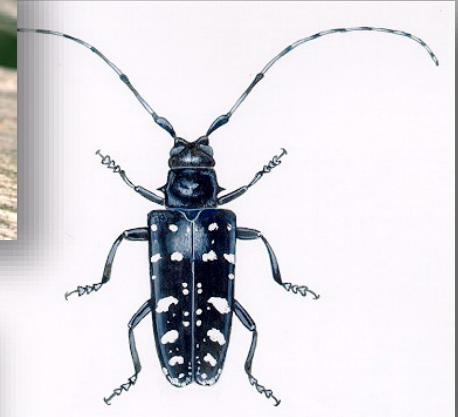
NAISN Hub - CANADA



Invasive Species Centre

Main Service Areas:

- Ontario and the Great Lakes
- Animal and plant invasions
- Coordination and collaboration
- Research and response
- Building coalitions
- Conferences and forums





NAISN NODE – CANADA



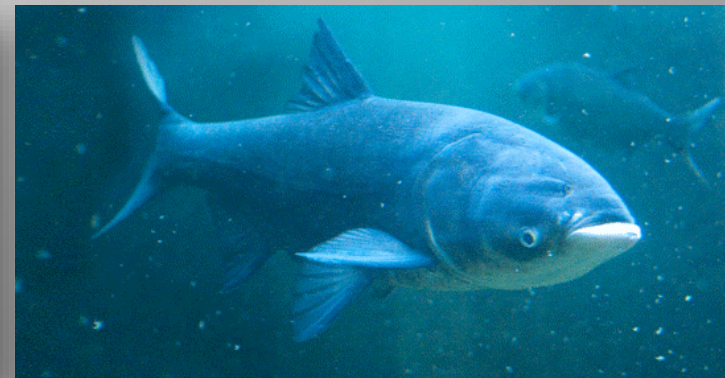
University of Windsor,
Ontario, Canada

Great Lakes Institute for
Environmental Research

Canadian Aquatic Invasive Species Network

Main Service Area:

**Networking 30 researchers and their projects from
12 partner universities and 6 federal laboratories**



NAISN 5 year Plan

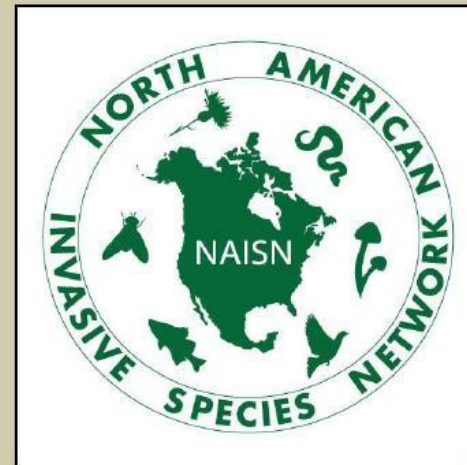
- Develop a CDC type website
- Regional watch lists
- Standardize invasive species data
- Develop IT tools
- Showcase success
- National statistics

NAISN 5-Year Business Strategy Plan (2013-2018)



The North American Invasive Species Network

A consortium that uses a coordinated network to advance science-based understanding of, and effective response to, invasive species in North America.



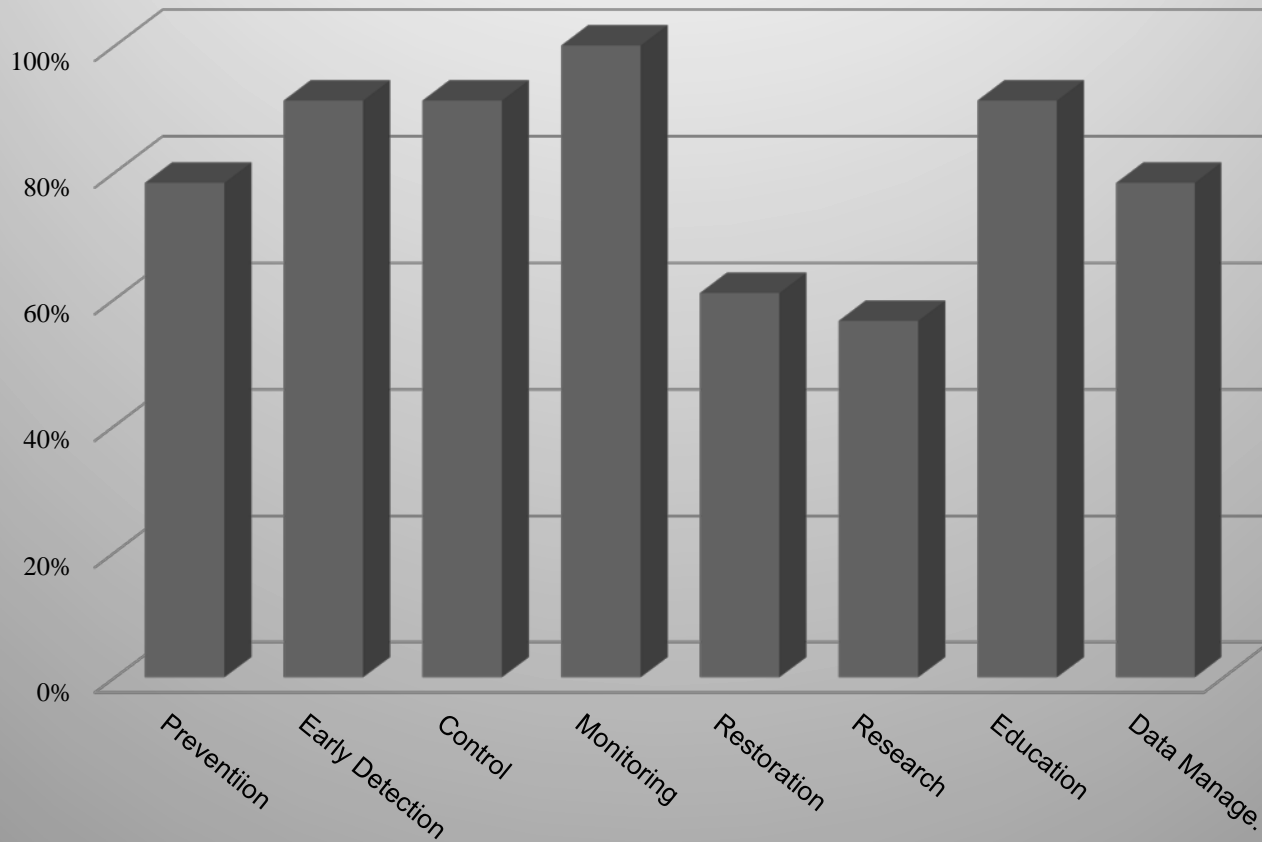
NAISN 5-Year Business Strategy (2013-2018)



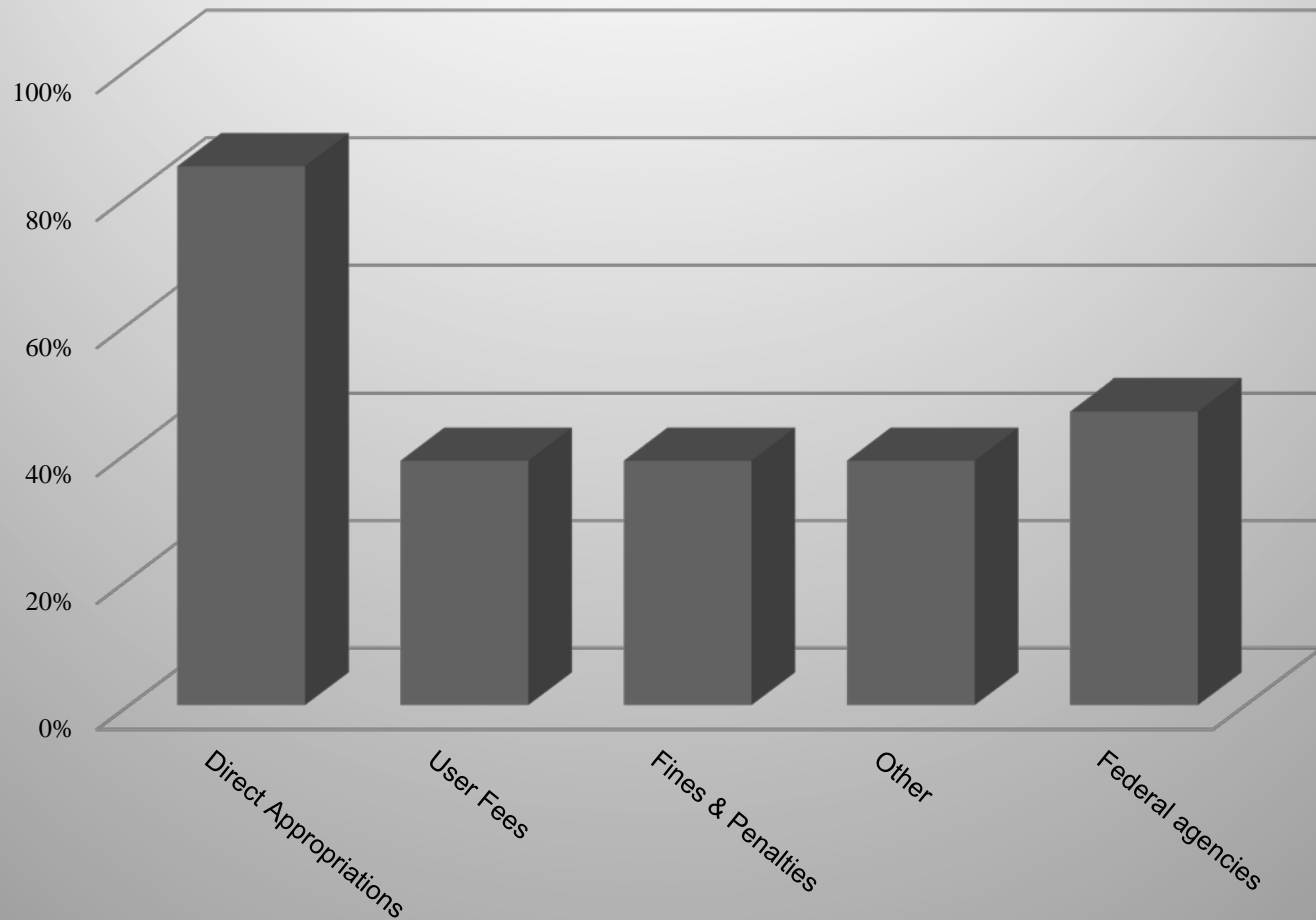
NAISN 2013 Survey –
More than 100 U.S. state agencies targeted
10 Canadian provincial agencies targeted

- 23 responded
- Useable data on 11 states and 1 province
- 5 states and 1 province had funding info

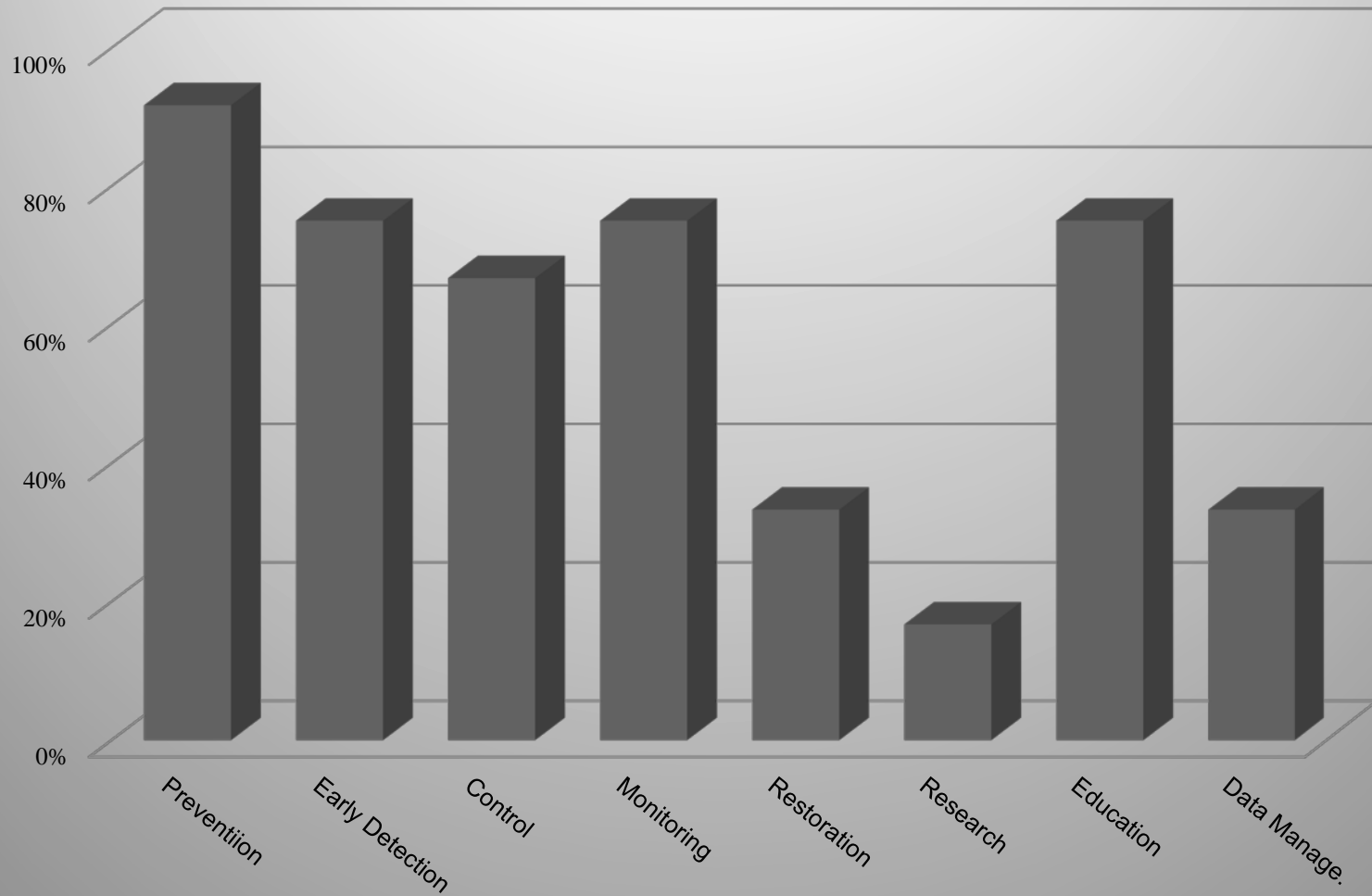
2013 NAISN - What Types of Invasive Species Activities are you involved in? (11 states and 1 province)



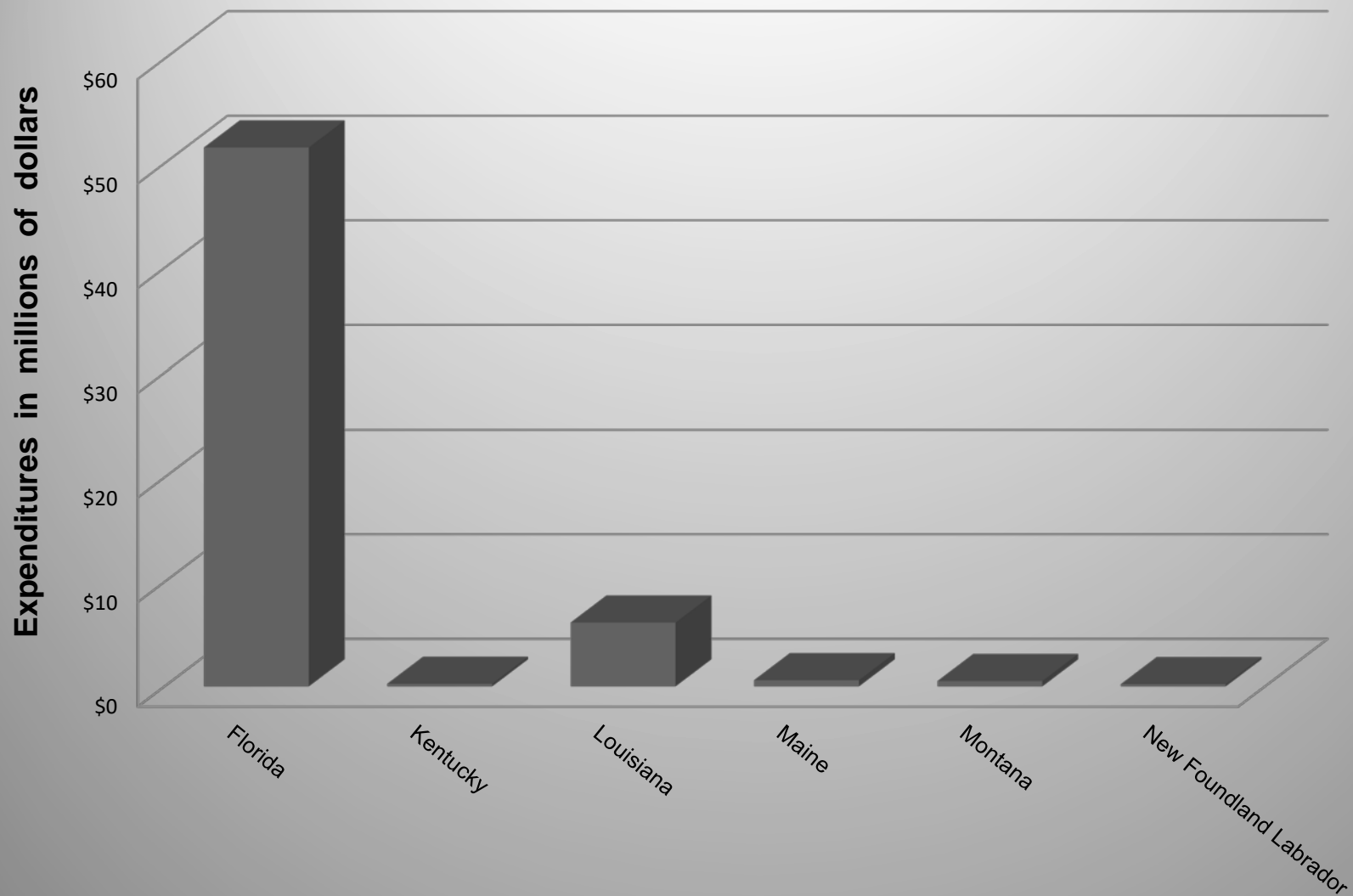
What proportion of your budget for IS is supported by: (11 states and 1 province)



What IS activity needs more attention? (11 states and 1 province)



Amount of money spent this year on Invasive Species



2013 NAISN Survey – Top Five Invasive Species:

Florida	Louisiana
<i>Eichhornia crassipes</i> (water hyacinth)	<i>Eichhornia crassipes</i> (water hyacinth)
<i>Hydrilla verticillata</i> (hydrilla)	<i>Hydrilla verticillata</i> (hydrilla)
<i>Lygodium</i> spp. (climbing fern)	<i>Hypophthalmichthys</i> spp. (Asian carp)
<i>Python molurus</i> (python)	<i>Salvinia molesta</i> (Giant Salvinia)
<i>Pterois volitans</i> (red lionfish)	<i>Sus scrofa</i> (wild boar)



NAISN will work to develop an invasive species icon.



Climate Shift – a wildcard for invasive species



Mission: NAISN is a consortium that uses a coordinated network to advance science-based understanding and enhance management of non-native invasive species.

Join NAISN

NAISN is recruiting new hubs, nodes, and affiliate members. To learn more and fill out an application, [click here](#).

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[Member Organizations](#)

[Contact](#)

[Press Releases](#)

Global Invasive Species Information Network (GISIN)

GISIN provides a platform for sharing invasive species information at a global level via the internet. Visit NAISN's [Species section](#) to access GISIN resources.

Directory of Invasive Species Organizations in North America

This [directory](#) offers a comprehensive list of management, research, and outreach resources for invasive species in North America.

Connect with NAISN

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