

A close-up photograph of a brown and orange striped lizard, possibly a spiny-tailed lizard, resting on a large, vibrant red leaf. The leaf has a prominent vein pattern and some small holes. In the background, there are green leaves and a dark, out-of-focus area.

National Invasive Species Council Update

(Columbia River Basin Team Meeting, June 5, 2019, Spokane, WA)

NISC
NATIONAL INVASIVE SPECIES COUNCIL
— SECRETARIAT —

■ NISC

- Council
 - Secretaries/Administrators
 - 12 Federal Departments
 - 4 Whitehouse Offices
 - 3 Co-chairs
- NISC Secretariat
- Advisory Committee

Membership

Department of Agriculture

Department of Commerce

Department of the Interior

Department of Defense

Department of Health and Human Services

Department of Homeland Security

Department of State

Department of Transportation

Department of the Treasury

National Aeronautics and Space Administration

U.S. Agency for International Development

U.S. Environmental Protection Agency

Council on Environmental Quality

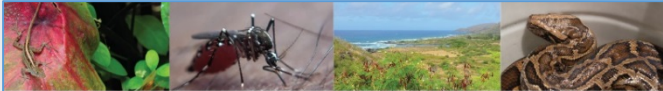

Office of Management and Budget

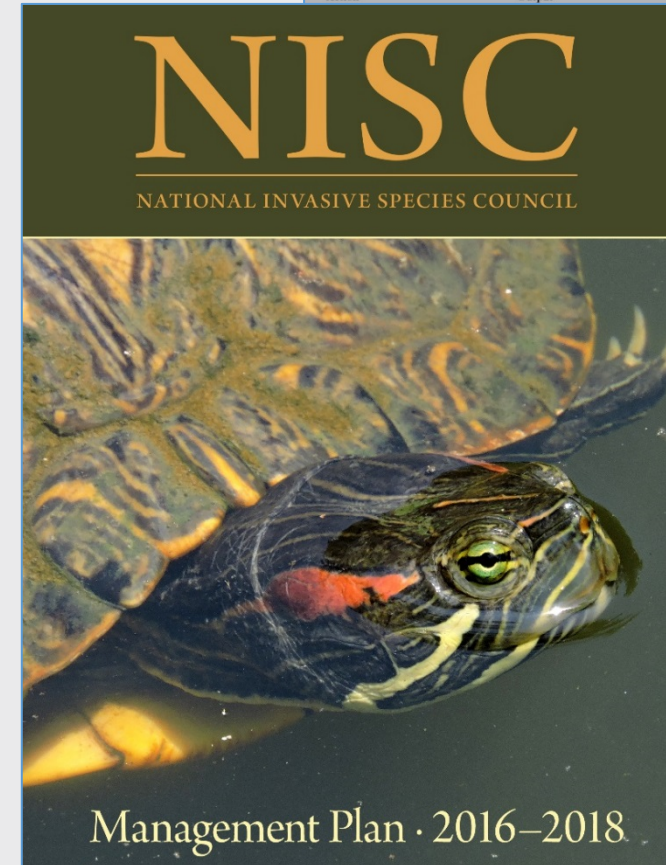
Office of Science and Technology Policy

Office of the U.S. Trade Representative

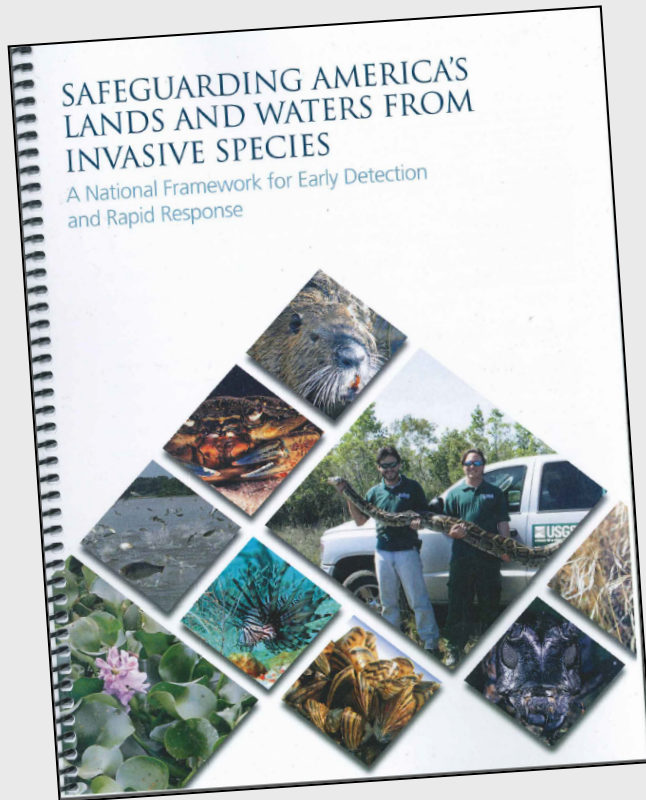
2016-18 Management Plan

- Programmatic Priorities
 - Early detection and rapid response
 - Infrastructure
 - Advanced biotechnology
 - Innovation ecosystems
 - Regional engagement

		
		Management Plan Report Card PROTECTING WHAT MATTERS · WE CAN DO THIS...
I Provide Institutional Leadership and Set Priorities		
Action	Output	Status
		N/A
	Completed: E.O. 13751; ISLH/EO13751	
	Pending NISC action	
	Pending NISC action	
	Pending NISC action	
	Pending NISC action	
	2018	
	2018	
ncy		Status
		In progress
Completed: FY2016: on.doi.gov/1iFXdu4		
Completed: FY2017: on.doi.gov/1n3V47r		
FY2018 to be initiated in Q3		
Pending NISC action		
Montana invasive mussels EDRR contract due July 2018		
		In progress
Ongoing:		
ISAC white paper: on.doi.gov/1u6WNCU		
U.S. Territories Invasive Species Coordinating Committee launched Dec. 2016; on.doi.gov/1g5Y4E		
hs.		See www.invasivespecies.gov



Assessing Federal Capacity for EDRR



Early Detection & Rapid Response (EDRR) Assessments

- Information Management
- Risk Screening and Horizon Scanning
- Systematics and Taxonomy
- Innovative Tools and Technologies
- Legal and Policy Frameworks
- Pilot Projects
 - Invader Detectives – Urban EDRR
 - MT Mussels – Emergency Response
 - WY Medusahead – Hold the Line

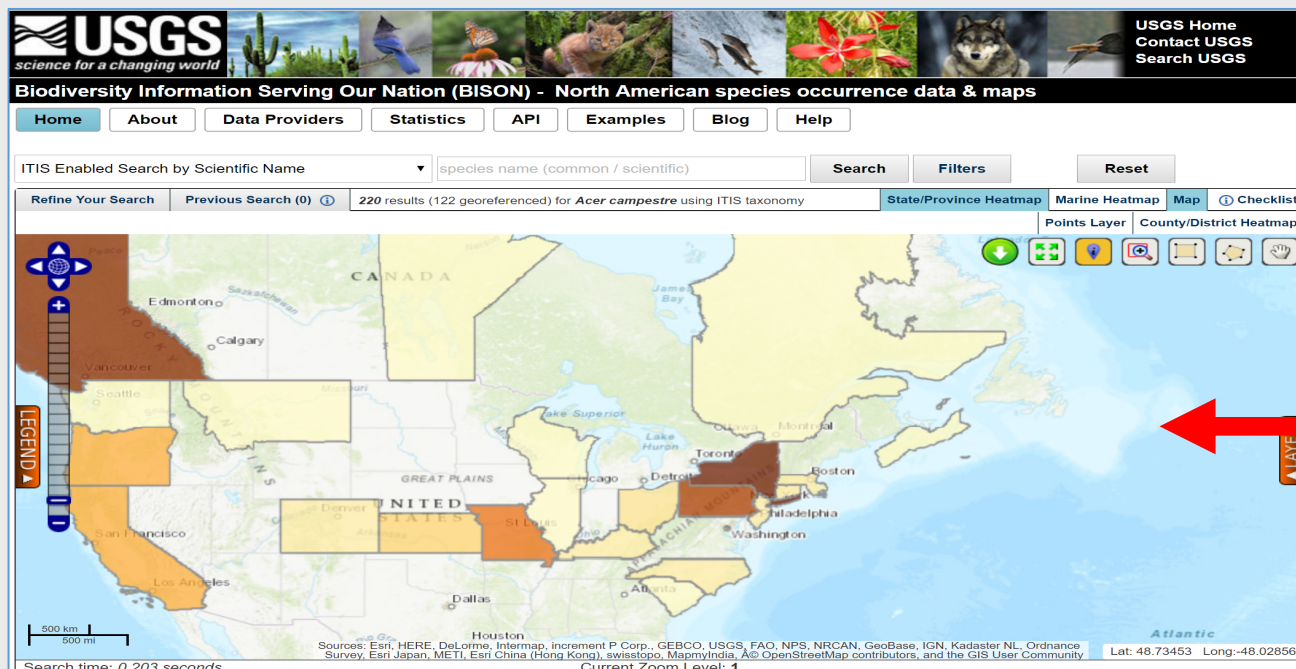
■ Invasive Species Impacts on Infrastructure

Assessment of Impacts on Federal Infrastructure

- What infrastructure/facilities?
- What invasive species?
- What types of impacts?
- What costs? Financial? Operational?
- What management and policy response?
- What needs?



Data Mobilization



A simple list of what is in your neighbor's "yard"

Click on a state and get a list of all non-native species (and subspecies) that are documented in the states bordering that state but not documented in the state itself.

Pick a State:

Virginia

Submit

There are 772 species of non-natives documented in states bordering this state that are not documented in the state itself in BISON. Click on a name to open a tab with the species full distribution in BISON.

[*Abelmoschus esculentus*](#)

[*Abies alba*](#)

[*Acantholyda erythrocephala*](#)

[*Acer campestre*](#)

[*Acer tataricum*](#)

[*Achillea filipendulina*](#)

[*Achillea ptarmica*](#)

[*Achyranthes japonica*](#)

[*Achyranthes japonica hachijoensis*](#)

[*Acmella decumbens*](#)

[*Actinidia polygama*](#)

[*Acyrtosiphon pisum*](#)

[*Adonis annua*](#)

[*Adonis vernalis*](#)

[*Aegilops crassa*](#)

[*Aethusa cynapium*](#)

[*Aglaonema commutatum*](#)

[*Agrilus subrobustus*](#)

[*Agrimonia eupatoria*](#)

[*Agropyron cristatum*](#)

[*Ahasverus advena*](#)

[*Ajuga genevensis*](#)

[*Allium atrovioaceum*](#)

[*Allium oleraceum*](#)

[*Allium sativum*](#)

[*Allium schoenoprasum*](#)

[*Allium tuberosum*](#)

[*Alloglossidium corti*](#)

[*Alnus cordata*](#)

Advanced Biotechnology

Areas of interest

- Potential applications
- Risk assessment methods
- Regulations and policy
- Social license



Cultivating Innovation: the Digital Makerspace



Got an invasive species problem?

We have problem solvers and solutions!

Whatever your problem is, the Digital Makerspace can help you solve it. By bringing together the brightest minds in conservation, innovation, and technology, we crowd-source ideas and co-create technologies that **solve your toughest invasive species challenges**.

JOIN THE DIGITAL MAKERSPACE COMMUNITY AND GET ACCESS TO:



AN INVASIVE SPECIES COMMUNITY OF PRACTICE
Discuss invasive species problems, share your expertise and experiences, and call attention to invasives challenges in need of technology solutions.



INVASIVE SPECIES CHALLENGES
Call the problem solvers to action! Inspire technology innovators and entrepreneurs to work on your most difficult invasive species problems. We can do this!



FUNDING FOR NEW SOLUTIONS
Get money! Apply for funding to turn your bright idea into an innovative prototype. Show the world that we can do this.

Join the Digital Makerspace at **conservationx.com**
Questions? Contact our team at info@conservationxlabs.org

INVASIVE SPECIES CHALLENGES

Within the Digital Makerspace we define the problem and invite solutions. Digital Makerspace Challenges inspire innovation. They result in success.

WE ARE MAKING IT HAPPEN. JOIN US!

Invasive species Challenges recently added to the Digital Makerspace:




PHOTO: JONATHAN WELCH

FIND THE KILLER FROG FUNGUS
Save the frogs! Create new tools for the rapid detection of the microscopic fungi causing amphibian declines and extinctions worldwide.




PHOTO: JAMIE KEARIN

SAVING THE ŌHI'A – HAWAII'S SACRED TREE
Help us detect the invasive fungi (*Ceratocystis lukuohia* and *C. huliohia*) in the 'Ōhi'a tree. Then, enable its containment and elimination.




PHOTO: STEVE LIBERTY

CONFIRMING ZERO
Ensure success. Develop the technologies that enable us to determine that we got them – all of them – we've eradicated the invasives. Success!

Got a problem? Reach out to the Conservation X Labs team to find out how you can use the power of Digital Makerspace Challenges to identify the next big breakthrough.

The invasive species component of the Digital Makerspace was developed and is managed in partnership with the National Invasive Species Council (NISC) Secretariat. For more information: www.invasivespecies.gov

SAVE THE 'ŌHI'A

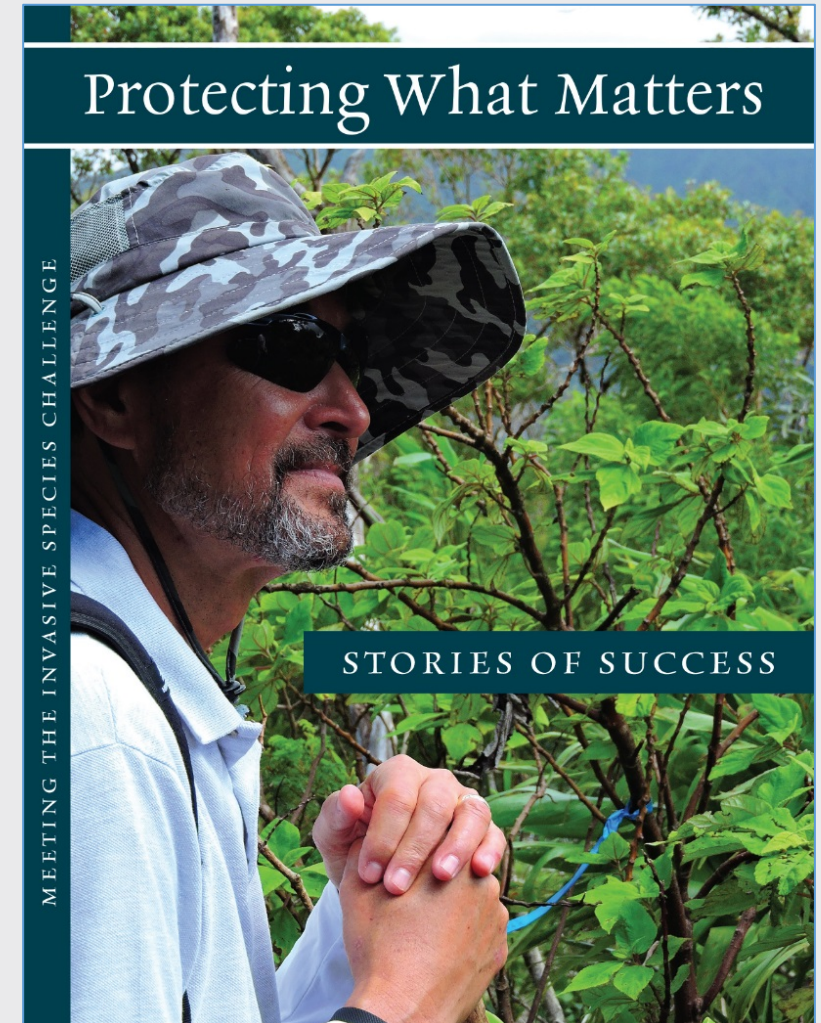
THE 'ŌHI'A CHALLENGE

Engaging new solvers to save Hawai'i's iconic tree

EXPLORE THE CHALLENGE

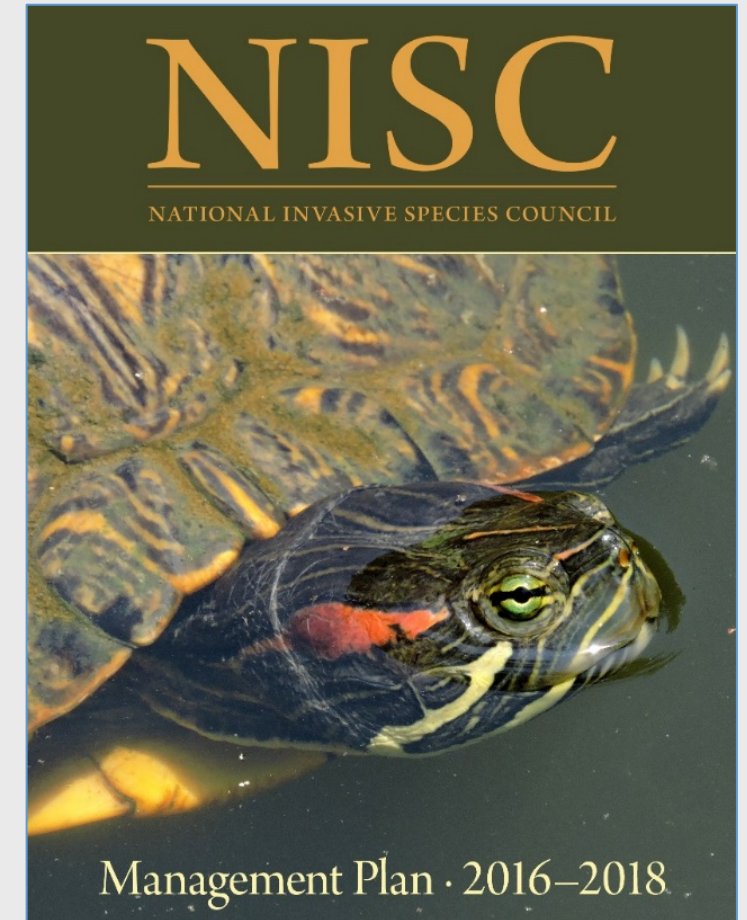
Transitions

- NISC Secretariat
- Invasive Species Advisory Committee
- Management Plan



Management Plan Revision

- Timeline Fall 2019
- Structure: 2 parts
 - Roles/responsibilities (long term)
 - Actions (short term)
- Core priorities in development
 - Capacity
 - Coordination
 - Flexibility



■ We Can Do This...



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