Coordination of Federal Invasive Species Efforts

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# Council Coordination of Federal Invasive Species Efforts

## Abstract

Jackalopes are not Invasive Species
Invasive species can be plants, animals, or microorganisms.

1. species that are not native to the ecosystem under consideration.
   2. whose introduction causes or is likely to cause economic or environmental harm or harm to human health. (E.O. 13112)

Animals

Plants

Microbes
People often have a distinct & predictable reaction to invasive species.
However, less is known about invasive species reactions to humans.
Invasive species have a major impact on The environment e.g., endangered native species.
Invasive species have a major impact on the economy and in some cases human health.
However, our native species are not defenseless and they can recover.
Invasive Species are estimated to cost the U.S. ca. $100 Billion/year.

Total Federal Expenditures on Invasive Species is ca. $1.0 Billion/FY.

(GAO Report RCED-00-219)
Executive Order 13112 On Invasive Species

Established the National Invasive Species Council (Council)
to ensure that Federal agency activities are coordinated, complementary, cost-efficient & effective.

Council’s Co-chairs are the Secretary of: Interior, Agriculture & Commerce.

Other members the Secretaries: DOT, DOD, Treasury, State, EPA, HHS, DHS, & USAID.

Established Invasive Species Advisory Committee (ISAC)
Non-Federal FACA chartered group that advises the Council.
The first comprehensive national invasive species action plan
The Council – Secretaries of the Departments

Co-chair Principals – Ag, Commerce, & Interior


Agency Reps in each agency
Agency Reps in each agency
Agency Reps in each agency
Agency Reps in each agency
Agency Reps in each agency

ISAC Non-Federal FACA

Work Groups Can be fed & non Fed

“Taxa Teams”, e.g., ANSTF & FICMNEW

Non-Council Feds, e.g. SI, NSF

Other non-ISAC non-federal, representatives

Council Staff Executive Director, Domestic, International, Outreach, Support & Detailleeas

Non-Federal Federal Administration – Political Appointees
## ISAC FACA Chartered Teams/Subcommittees:

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<th>Subcommittee</th>
<th>ISAC Co-Chair</th>
<th>Fed Co-Chair</th>
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<td>Leadership &amp; Coordination</td>
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<td>L. Williams</td>
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<td>J. Lydon</td>
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<td>ED&amp;RR</td>
<td></td>
<td>T. Bewick</td>
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<td>Prevention (Screening/Pathways)</td>
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Key Plan Areas

Coordination and leadership.

Actions:

- ensure EO is followed
- NEPA Guidance – initial draft completed.
- put together a cross-cut budget to highlight cooperative efforts for use as a planning tool
Cross-cut Budgets

FY 2004
INTERAGENCY
INVASIVE SPECIES
PERFORMANCE
BUDGET

FY 2005 - Draft
INTERAGENCY
INVASIVE SPECIES
PERFORMANCE
BUDGET

FY 2006 - Planning
INTERAGENCY
INVASIVE SPECIES
PERFORMANCE
BUDGET

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National Invasive Species
Council
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Prevention – the first line of defense.

**Actions**

- screening for intentionally introduced species.
- Id, find & address pathways for unintentional introduction.

Highly Successful – Smuggled Fruit Detection Dog
Less Than Successful – Smuggled Fruit Detection Cat
Early Detection and Rapid Response:
may be the only opportunity to eradicate or contain.

Actions:
- improve detection methods to speed up the process
- seek a flexible funding source for rapid response contingencies
- establish rapid response teams with local/state organizations

“Proactive species” information, before the introduction, rapid assessment.

Improved control technologies
General Guidelines for the Establishment & Evaluation of Invasive Species Early Detection & Rapid Response Systems
Control and Management:
Reducing established IS & limiting their spread can dramatically decrease negative impacts.

Actions:
- increase funding for control and management on Federal lands
- matching grants to assist state, local, & regional control efforts

Improved information re: impacts of species.
Improved monitoring to understand effectiveness of control efforts.
Draft GUIDELINES FOR RANKING INVASIVE SPECIES PROJECTS IN NATURAL AREAS

Version I
(August 2004)
Restoration:
Restoring native species in conjunction with controlling IS can reduce risk of future invasions and improve control effectiveness.

Actions:
- develop federal restoration materials
- propose legislation to provide incentives guidelines

Restoration guidelines
At what points is the damage so great that natural systems cannot recover?
International Cooperation:

IS are a global problem. Our actions can create problems other nations, & we need their help combating IS.

*Actions:*
- develop standards and codes of conduct within context current international agreements and programs
- improve technical assistance and information sharing

CBD Invasive Species.
**Research**: is critical to all aspects of the plan.

**Action**: 
- propose additional research funding for core capacities – integrated capacity.
- identify fundamental to applied research needs.

**Economic Research – ERS $2M.**
Information management:
Improved decision-making will rely upon shared information & mapping capabilities.

You can’t manage what you can’t measure, and you can’t control what you cannot find.


Data to Information – modeling & mining.
Welcome to Invasivespecies.gov!

Invasivespecies.gov is the gateway to Federal efforts concerning invasive species. On this site you can learn about the impacts of invasive species and the Federal government's response, as well as read select species profiles and find links to agencies and organizations dealing with invasive species issues. Invasivespecies.gov is also the website for the National Invasive Species Council, which coordinates Federal responses to the problem.

What is an Invasive Species?

An "invasive species" is defined as a species that is 1) non-native (or alien) to the ecosystem under consideration and 2) whose introduction causes or is likely to cause economic or environmental harm or harm to human health. (Executive Order 13112).

Invasive species can be plants, animals, and other organisms (e.g., microbes). Human actions are the primary means of invasive species introductions.
Education and Public Awareness:
Scope of the IS problem, their impact, and how the public can help must be communicated to the general public.

Actions:

National Invasive Species Awareness Campaign - a survey existing efforts, we will work to increase public cooperation in counter IS efforts.

Targeting and instrument development.
Key Resources: the Armed Forces Pest Management Board (AFPMB)

& the National Military Fish and Wildlife Association
We will be successful to the extent that our policies & actions reflect the biology & ecology of invasive species.

They exhibit multi-sector impacts & inter-jurisdictional distributions.

Therefore, the keys are: Cooperation, Coordination & Communication.
The Rare Spotted Snakehead