

Invasive Exotic Species Strategic Action Framework

September 16, 2014





2013 Task Force Direction

- July 9, 2013 Task Force Meeting
 - The Working Group recommended the development of a Comprehensive Invasive Species Strategic Action Framework (2013) that includes a cross cut budget (2010)
 - OERI to hold a high-level partnership workshop to discuss Strategic Action Framework
 - Provide coordination support for federal invasive species efforts (2010)

Why a Strategic Action Framework?

- Help decision-makers understand the connections between goals, strategies, and tactics;
- Maximize the extent to which the current capacity for partnership is leveraged to meet common goals;
- Help decision-makers make wise and timely investment decisions in the battle against invasive exotics; and
- Define success and provide for accountability.



Goals for Today

- Update the Working Group and Science Coordination Group on:
 - Draft Strategic Action Framework
 - Prioritization process
 - Cross-cut budget tool

Draft Framework



Where We Are

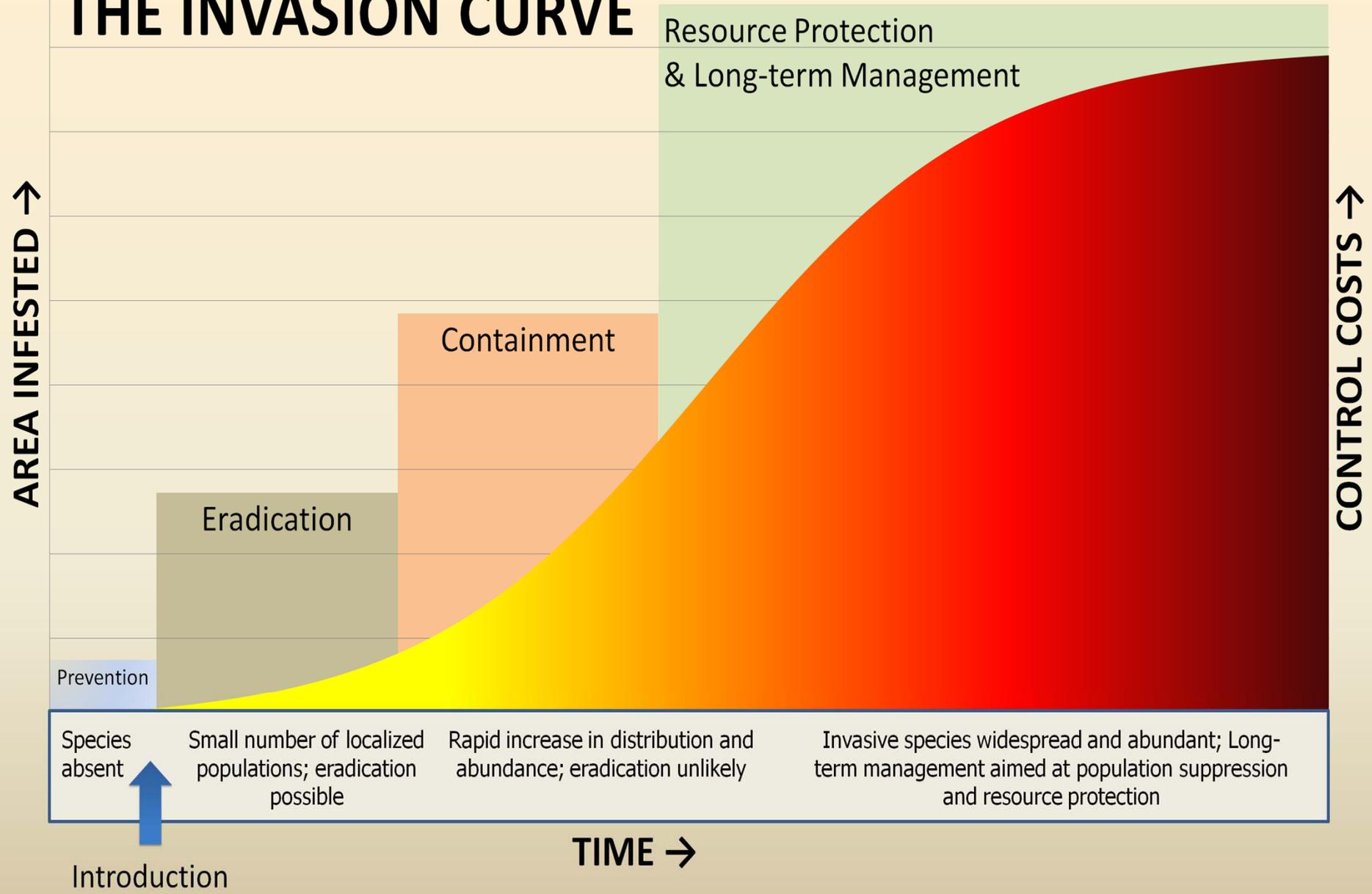
- Goals
- Objectives
- Strategies
- Prioritized List of Strategies
- Case Studies
- Comprehensive List of Actions
- Cross-cut Budgeting Tool
- Web-based Framework

Underway

Underway

Underway

THE INVASION CURVE



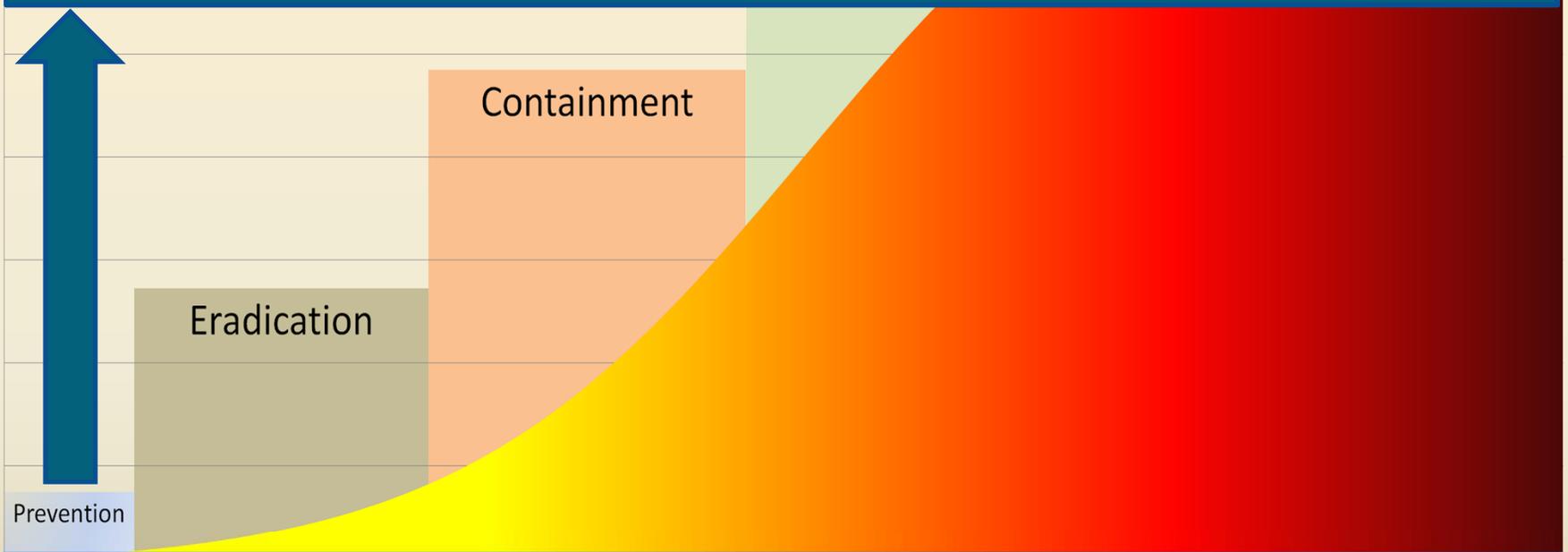
THE INVASION CURVE

Resource Protection
& Long-term Management

Goal 1: Prevent the introduction of invasive exotic species.

AREA INFESTED →

CONTROL COSTS →



Species absent	Small number of localized populations; eradication possible	Rapid increase in distribution and abundance; eradication unlikely	Invasive species widespread and abundant; Long-term management aimed at population suppression and resource protection
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Introduction

TIME →

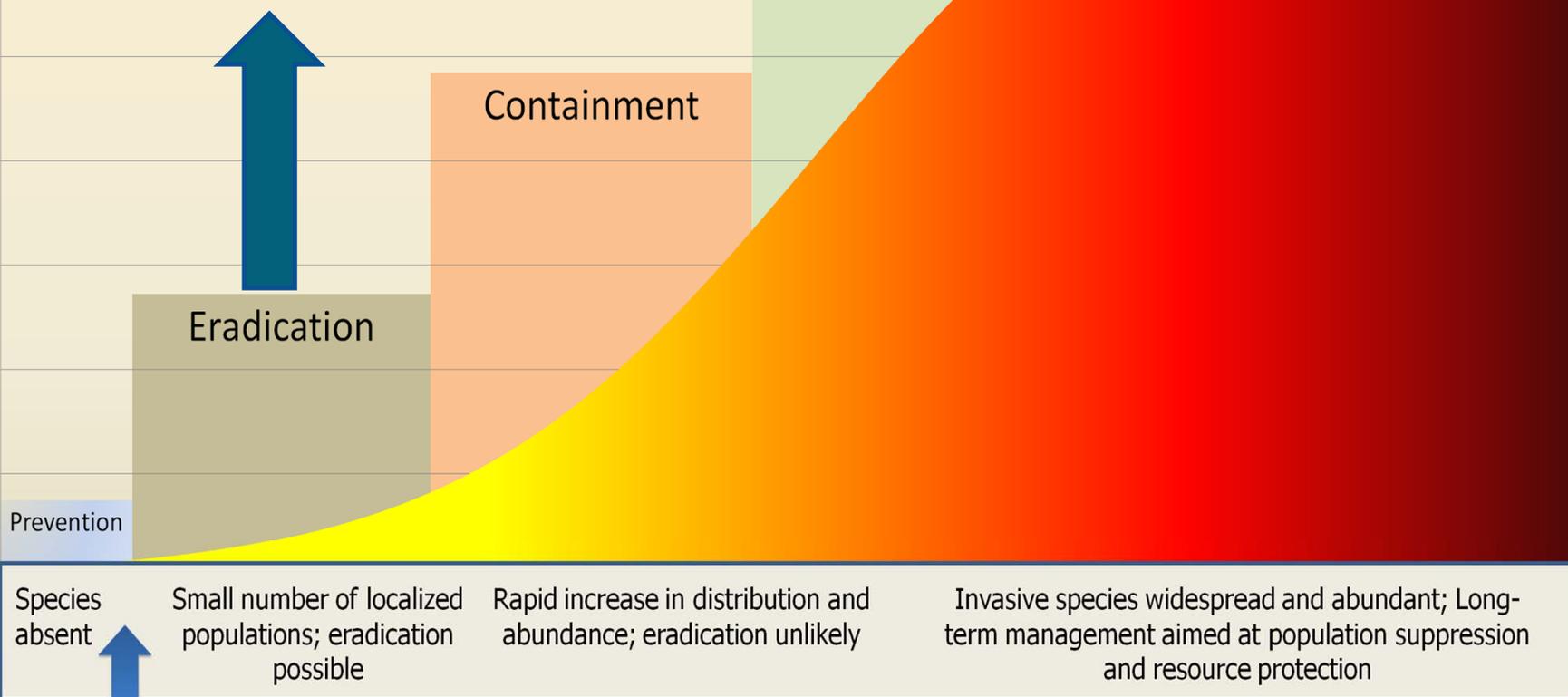
THE INVASION CURVE

Resource Protection
& Long-term Management

Goal 2: Eradicate invasive exotic species by implementing Early Detection and Rapid Response (EDRR).

AREA INFESTED →

CONTROL COSTS →



Introduction

TIME →

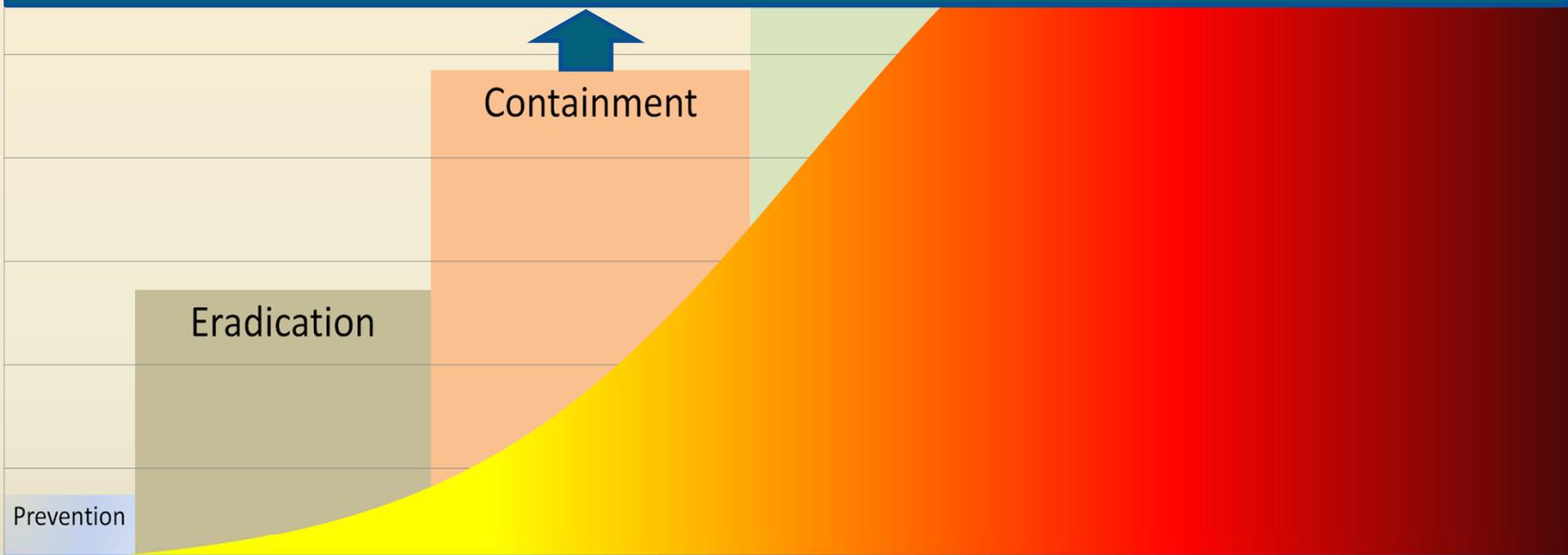
THE INVASION CURVE

Resource Protection
& Long-term Management

Goal 3: Contain the spread of invasive exotic species.

AREA INFESTED →

CONTROL COSTS →



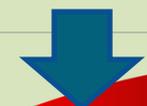
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Introduction

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THE INVASION CURVE

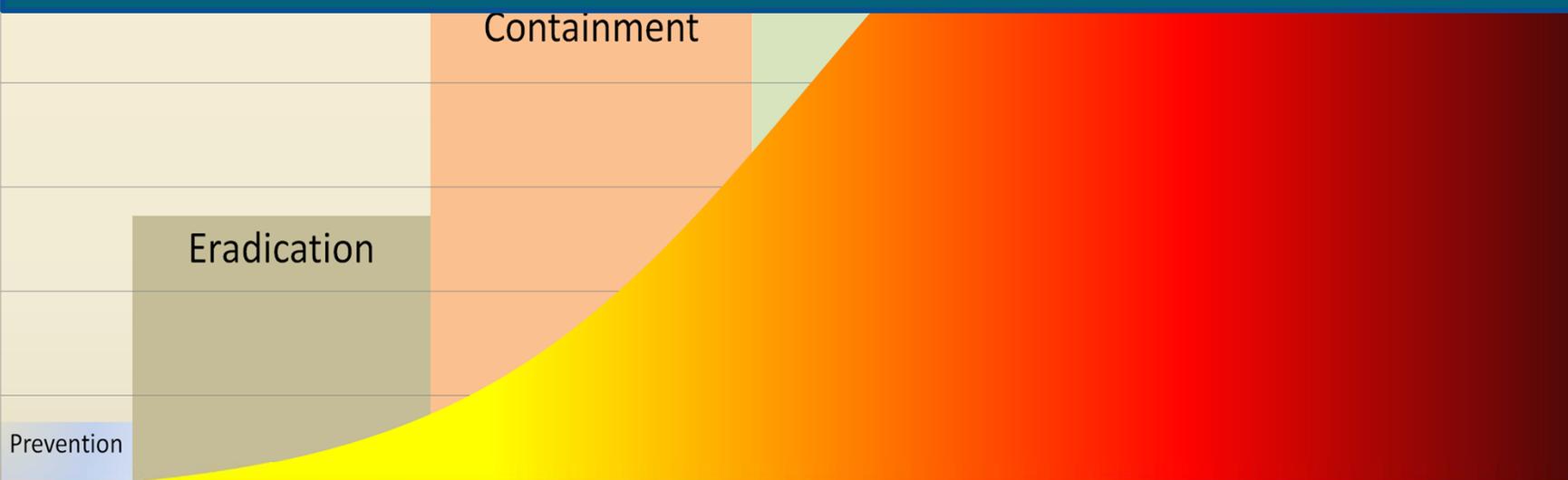
Resource Protection
& Long-term Management



Goal 4: Reduce the populations of widely established invasive exotic species and maintain at lowest feasible levels.

AREA INFESTED →

CONTROL COSTS →



Species absent

Small number of localized populations; eradication possible

Rapid increase in distribution and abundance; eradication unlikely

Invasive species widespread and abundant; Long-term management aimed at population suppression and resource protection

Introduction

TIME →

Developing a List of Priorities

- Goals (4)
 - Objectives (10)
 - Strategies (31)
 - Current Projects (103)
 - Needed Projects (88)



Prioritizing the Strategies

- August 27th meeting
- 25 attendees
- 14 different agencies/organizations

Strategy Prioritization Process

- Attendees were asked to review the Framework's 31 strategies
- Instructions were provided in order to rank each strategy as High, Medium, or Low

IES Strategic Action Framework

Vision: The South Florida Ecosystem, including America's Everglades, its environmental, economic, and cultural values and human health, is protected from the harmful effects of invasive exotic species.

Prioritization Exercise

Please rank the following strategies by placing an X in the appropriate box:

High (H) = Essential

Medium (M) = Important

Low (L) = Not particularly important

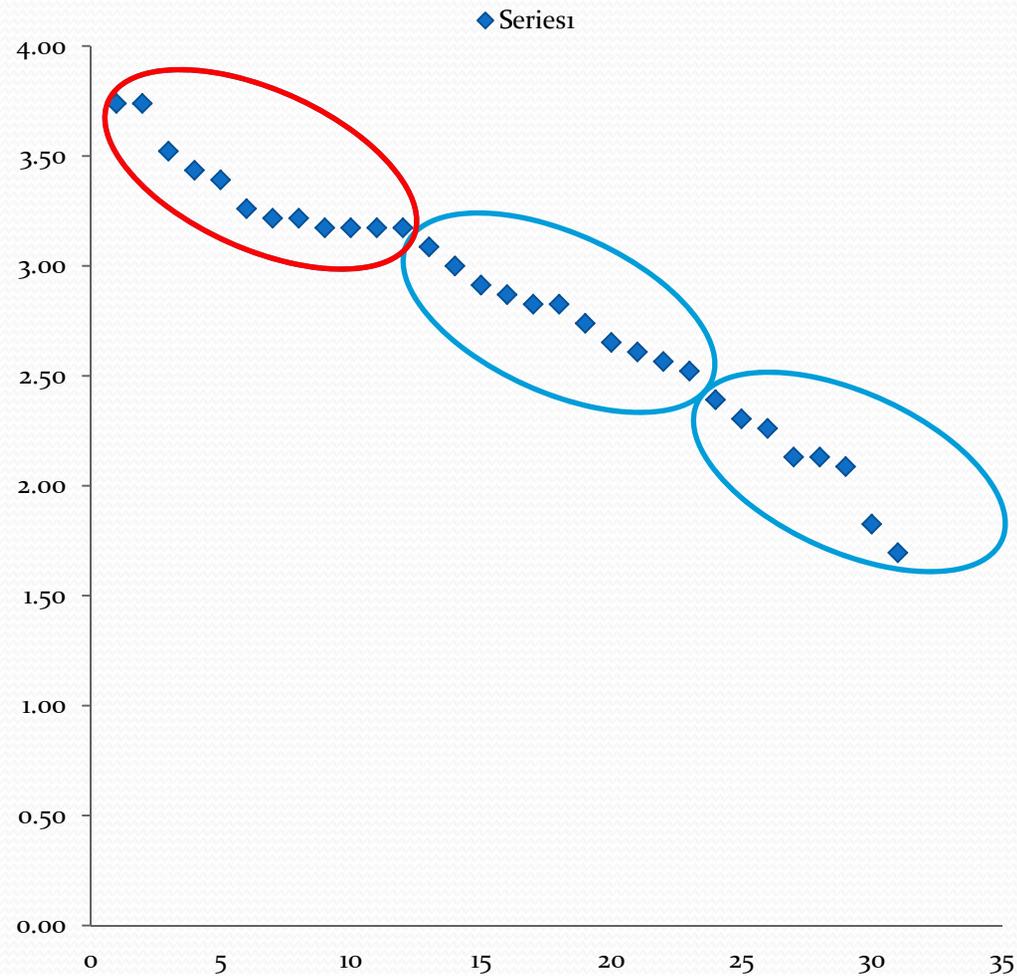
Leave blank if you determine the strategy is not relevant.

Strategy	H	M	L
Strategy 1A1: Identify pathways and prioritize potential threats and invasive exotic species.			
Strategy 1A2: Engage stakeholders and the public to support prevention efforts.			
Strategy 1B1: Enhance and improve the pathway inspection/screening process.			
Strategy 1B2: Develop new/utilize existing voluntary and regulatory tools.			
Strategy 1B3: Improve pathway awareness and engage the public in prevention efforts.			
Strategy 2A1: Implement a systematic, prioritized, multi-species monitoring and inventory plan.			
Strategy 2A2: Utilize existing and develop needed regional monitoring/reporting networks to increase likelihood of detection.			
Strategy 2A3: Employ science and technology for development of early detection tools, e.g., surveys, traps, inspections.			
Strategy 2A4: Engage the public and provide exotic species reporting mechanisms.			
Strategy 2A5: Establish rapid assessment and response programs/processes/ cooperatives/tools that allow for nimble attempts at eradication.			
Strategy 2B1: Rapidly assess the status and potential threat of newly detected incipient invasive exotic species populations and develop a response/no response plan.			
Strategy 2C1: Initiate rapid response based upon the plan of action developed during the assessment phase.			

Ranking – Guiding Criteria

- High:
 - Strategy is essential, or
 - Extremely urgent, or
 - Perfectly suited for Task Force action
- Medium:
 - Strategy is important, or
 - Fairly urgent, or
 - Task Force has some control over implementation
- Low:
 - Strategy is not particularly important, or
 - Not urgent, or
 - Task Force has limited control
- Blank:
 - Strategy is not relevant, or
 - Not urgent, or
 - Task Force has no control

Strategy Prioritization Results





Strategy Prioritization Results

- Top 12 strategies:
 - A common theme was tool development and monitoring enhancement/improvement.
 - Although all Goals were represented, the majority of highly ranked items were in Goal 2 (Eradication through EDRR)
 - Integration of programs amongst agencies was also in the top 12.



Strategy Prioritization Results

- Goal 1: Prevention
 - Identify pathways and prioritize potential threats and invasive exotic species.
 - Enhance and improve the pathway inspection/screening process.



Strategy Prioritization Results

- Goal 2: Eradication through EDRR
 - Employ science and technology for development of early detection tools, e.g., surveys, traps, inspections.
 - Rapidly assess the status and potential threat of newly detected invasive exotic species populations and develop a response/no response plan.
 - Initiate rapid response based upon the plan of action developed during the assessment phase.
 - Implement a systematic, prioritized, multi-species monitoring and inventory plan.
 - Establish rapid assessment and response programs/processes/cooperatives/tools that allow for nimble attempts at eradication.
 - Utilize existing and develop needed regional monitoring/reporting networks to increase likelihood of detection.



Strategy Prioritization Results

- Goal 3: Containment
 - Implement control efforts at containment boundaries and known pathways.
 - Invest in science-based containment methods.



Strategy Prioritization Results

- Goal 4: Long-term Management
 - Develop and improve tools to assist in the long-term control of invasive exotic species.
 - Integrate federal, state, and local agency invasive exotic species control programs.

Next Steps





Next Steps

- Looking for Working Group/Science Coordination Group members' feedback on the Framework
 - Final draft to be presented at the next WG/SCG meeting
- Next IES meeting will focus on fully developing a comprehensive list of current and needed actions
- Continuing to work on the cross-cut budget tool
- Enhancing web-based framework



IES Framework Schedule

- Oct. 2: IES Framework working meeting
- Oct. 23: Report to the WG/SCG
- Nov. 18/19: Report to the Task Force