



SOUTH FLORIDA ECOSYSTEM RESTORATION TASK FORCE



LEADERSHIP • PARTNERSHIP • RESULTS

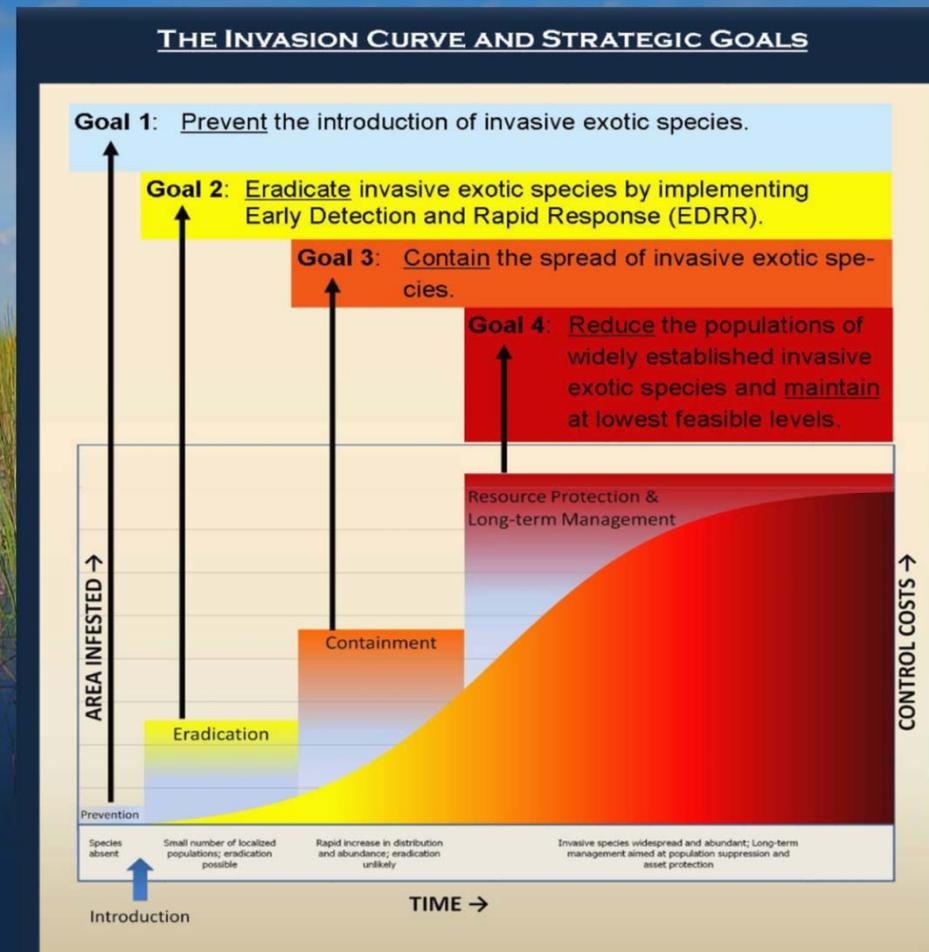
**Working Group/Science Coordination Group Meeting
Invasive Exotic Species
Strategic Action Framework
February 25, 2020**

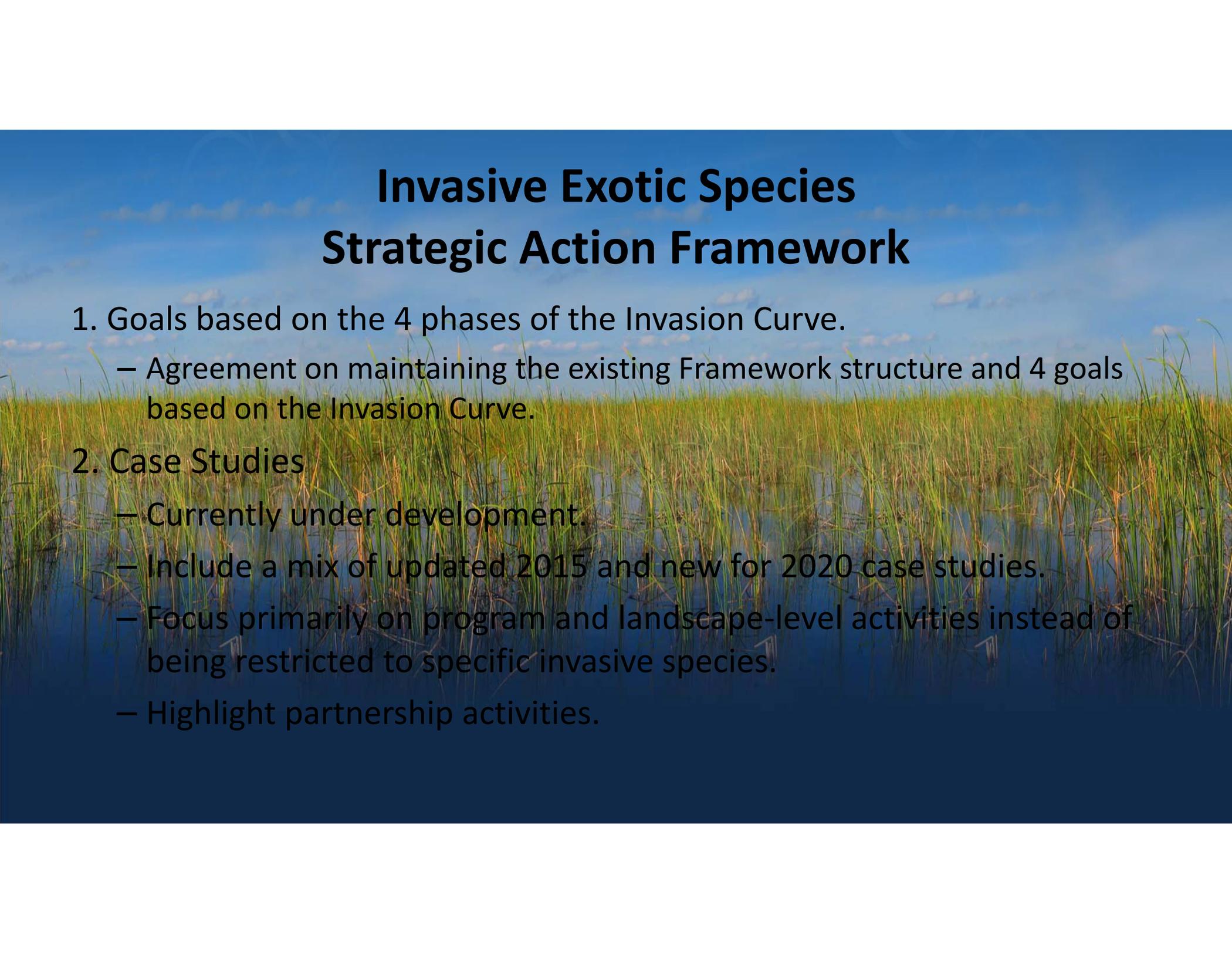
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Invasive Exotic Species Strategic Action Framework

- **Priority:** Review/update the Invasive Exotic Species Strategic Action Framework.
- **Background:** 2015 document.
 1. Goals based on the 4 phases of the Invasion Curve.
 2. Case Studies for each phase.
 3. Preliminary Action Assessment that prioritized specific strategies and actions.
 4. Single-year Cross Cut Budget.
- **Timeframe:** Summer/Fall 2020





Invasive Exotic Species Strategic Action Framework

1. Goals based on the 4 phases of the Invasion Curve.
 - Agreement on maintaining the existing Framework structure and 4 goals based on the Invasion Curve.
2. Case Studies
 - Currently under development.
 - Include a mix of updated 2015 and new for 2020 case studies.
 - Focus primarily on program and landscape-level activities instead of being restricted to specific invasive species.
 - Highlight partnership activities.

Invasive Exotic Species Strategic Action Framework

3. Preliminary Action Assessment

- Reviewing 2015 prioritized strategies and actions.
- Identifying successes and progress made since 2015.
- 5 Major Areas of Progress:
 - Research (eDNA, trap improvements, herbicides, biocontrols)
 - Tool Development (screening tools, detector dogs)
 - Management Actions (removal of pythons from NPS by contractors)
 - Capacity Building (i.e. Contractors, Iveget1, staffing sustained program support)
 - Coordination improvements (SFERTF, SDM, Control plans, BMPS, CISMAs)
- Prioritizing strategies and actions for 2020 Framework

Prioritization Exercise, 2015

- Strategy 2A3: Employ science and technology for development of early detection tools, e.g., surveys, traps, inspections.
- 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 3A2: Implement control efforts at containment boundaries and known pathways.
- Strategy 3B1: Invest in science-based containment methods.
- Strategy 2C1: Initiate rapid response based upon the plan of action developed during the assessment phase.
- Strategy 2A1: Implement a systematic, prioritized, multi-species monitoring and inventory plan.
- Strategy 1A1: Identify pathways and prioritize potential threats and invasive exotic species.
- Strategy 2A5: Establish rapid assessment and response programs/processes/ cooperatives/tools that allow for nimble attempts at eradication.
- Strategy 1B1: Enhance and improve the pathway inspection/screening process.
- Strategy 2A2: Utilize existing and develop needed regional monitoring/reporting networks to increase likelihood of detection.
- Strategy 4C3: Develop and improve tools to assist in the long-term control of invasive exotic species.
- Strategy 4C4: Integrate federal, state, and local agency invasive exotic species control programs.

Prioritization Exercise, 2015

- Strategy 2A3: Employ science and technology for development of early detection tools, e.g., surveys, traps, inspections.
- Strategy 2B1: ... populations and ... invasive exotic species
- Strategy 3A2: ...
- Strategy 3B1: ...
- Strategy 2C1: ... assessment phase.
- Strategy 2A1: ... / plan.
- Strategy 1A1: ... s.
- Strategy 2A5: ... s/tools that allow for
- nimble attempt
- Strategy 1B1: ...
- Strategy 2A2: ... s to increase likelihood
- Strategy 4C3: ... tic species.
- Strategy 4C4: Integrate federal, state, and local agency invasive exotic species control programs.

• Fully half of the priorities focused on Goal 2:
Eradication through EDRR

Prioritization Exercise, 2020

- Strategy 1B2: Develop new/utilize existing voluntary and regulatory tools.
- Strategy 1A1: Identify pathways and prioritize potential threats and invasive exotic species.
- Strategy 1A2: Engage stakeholders and the public to support prevention efforts.
- 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 3A5: Enforce existing laws regarding transporting and releasing exotic species to prevent spread.
- Strategy 3A2: Implement control efforts at containment boundaries and known pathways.
- Strategy 4C3: Develop and improve tools to assist in the long-term control of invasive exotic species.
- Strategy 2C1: Initiate rapid response based upon the plan of action developed during the assessment phase.
- Strategy 4A1: Strive to eliminate the impact of invasive exotic species on natural areas by implementing an Integrated Pest Management approach.
- 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 3A1: Implement best management practices to prevent the inadvertent spread of invasive exotic species.
- Strategy 4C1: Assess effectiveness of long-term management efforts and adapt to improve success.
- Strategy 4C4: Integrate federal, state, and local agency invasive exotic species control programs.

Prioritization Exercise, 2020

- Strategy 1B2: Develop new/utilize existing voluntary and regulatory tools.
- Strategy 1A1: Identify pathways and prioritize potential threats and invasive exotic species
- Strategy 1A2: Engage stakeholders and develop
- Strategy 2B1: Rapid response/no response
- Strategy 3A5: Enhance monitoring
- Strategy 3A2: Improve
- Strategy 4C3: Develop
- Strategy 2C1: Initiate
- Strategy 4A1: Strategic Management applications
- Strategy 2A3: Emergency
- Strategy 2A4: Engage
- Strategy 2A5: Establish eradication.
- Strategy 3A1: Improve
- Strategy 4C1: Assess
- Strategy 4C4: Integrate federal, state, and local agency invasive exotic species control programs.

- Half of the priorities remained the same.
- The new priorities focused on:
 - Goal 1: Prevention
 - Goal 3: Containment
 - Goal 4: Long-term Management
- Results are an almost equal balance between the four goals.

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Integrated Pest

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pecies.

Prioritization Exercise, Today's Results

- Strategy 2A5: Establish rapid assessment and response programs/processes/ cooperatives/tools that allow for nimble attempts at eradication.
- Strategy 1A1: Identify pathways and prioritize potential threats and invasive exotic species.
- Strategy 2C1: Initiate rapid response based upon the plan of action developed during the assessment phase.
- Strategy 3A5: Enforce existing laws regarding transporting and releasing exotic species to prevent spread.
- Strategy 4B4: Recover ecological and natural system functions and ecosystem services.
- Strategy 2A1: Implement a systematic, prioritized, multi-species monitoring and inventory plan.
- Strategy 3A1: Implement best management practices to prevent the inadvertent spread of invasive exotic species.
- 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 3A2: Implement control efforts at containment boundaries and known pathways.
- Strategy 4C3: Develop and improve tools to assist in the long-term control of invasive exotic species.
- Strategy 4B2: Coordinate invasive exotic species management with restoration activities to prevent degradation of habitat.
- Strategy 4C4: Integrate federal, state, and local agency invasive exotic species control programs.
- Strategy 4B1: Support efforts to increase the total spatial extent of natural areas and restore natural hydrology.
- Strategy 2A2: Utilize existing and develop needed regional monitoring/reporting networks to increase likelihood of detection.

Prioritization Exercise, Today's Results

- Strategy 2A5: Establish rapid assessment and response programs/processes/ cooperatives/tools that allow for nimble attempts at eradication.
- Strategy 1A1: Id
- Strategy 2C1: In
- Strategy 3A5: Er
- Strategy 4B4: Re
- Strategy 2A1: In
- Strategy 3A1: In
- Strategy 2B1: Ra
- develop a respo
- Strategy 3A2: In
- Strategy 4C3: De
- Strategy 4B2: Co
- Strategy 4C4: Integrate federal, state, and local agency invasive exotic species control programs.
- Strategy 4B1: Support efforts to increase the total spatial extent of natural areas and restore natural hydrology.
- Strategy 2A2: Utilize existing and develop needed regional monitoring/reporting networks to increase likelihood of detection.

Significant overlap with technical experts!

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Invasive Exotic Species

- **Next Steps:**

- Defining the 2020 Framework priorities
- Developing a Coordinated Budget (WG/SCG request for POC)
- Preparing for the Task Force meeting in May 2020

- **Points of Contact:**

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QUESTIONS?