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Canada's Invasive Alien Species Strategy

Exotic and Invasive Species Workshop
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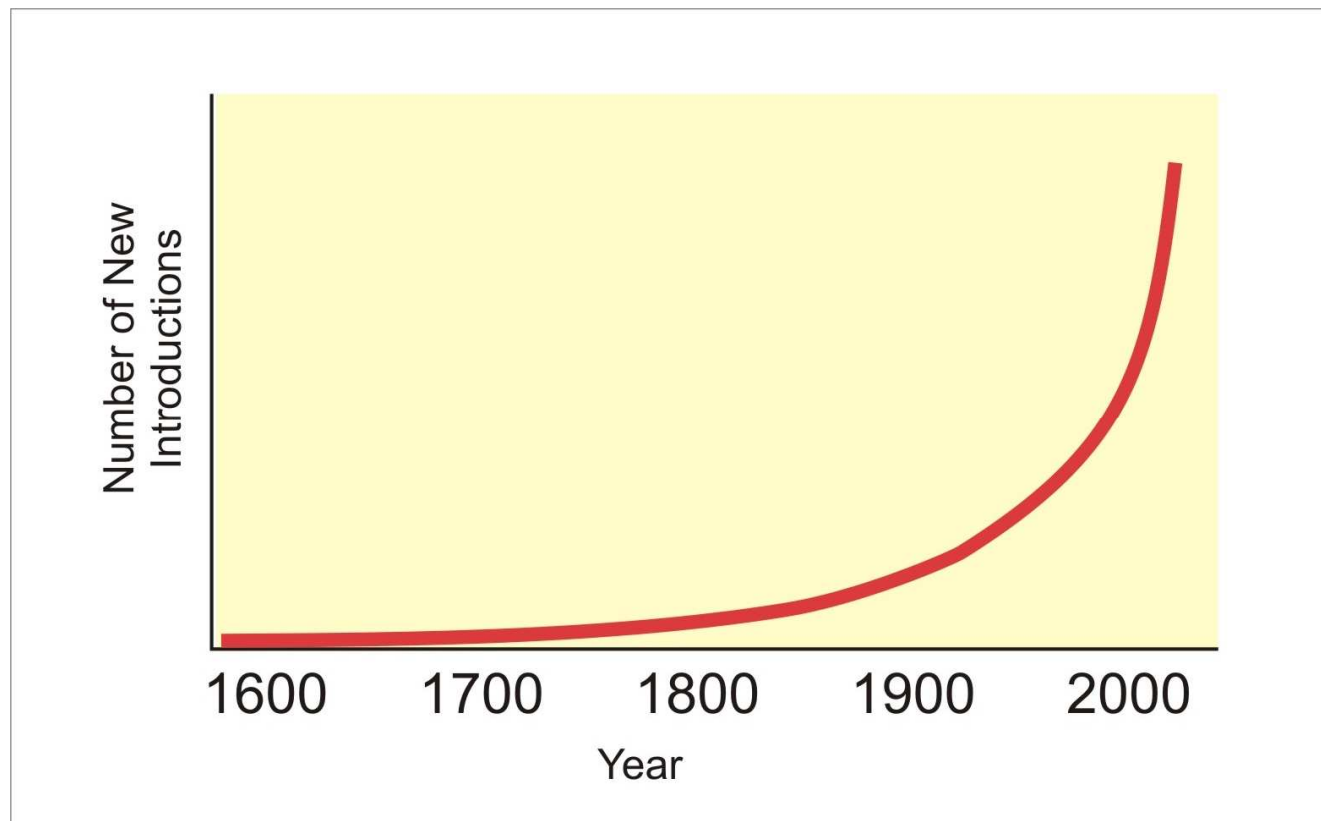


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Why does Canada need a strategy



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Why does Canada need a strategy

100 OF THE WORLD'S WORST INVASIVE ALIEN SPECIES

A SELECTION FROM THE GLOBAL
INVASIVE SPECIES DATABASE



Sponsored by



Contribution to the Global Invasive Species Programme (GISP)



Published by



- 27% of all vascular plants
- 181 insects that feed on woody plants
- Many other insects
- 24 birds
- 26 mammals
- 2 reptiles
- 4 amphibians
- 55 freshwater fish



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Why does Canada need a strategy



Invasive species have serious impacts on Canada's:

- Economy
- Environment
- Society



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Why does Canada need a strategy

Economic



Forestry



Agriculture



Fisheries



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Why does Canada need a strategy

Economic



Cost estimate for 16 species....

- ~13 to 34 billion dollars per year

Cost estimates for IA Plants on agriculture and forestry ...

- over 7.5 billion



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Economic



Trade



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Why does Canada need a strategy

Environmental



American Chestnut



American Beech



Butternut



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Environmental



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Social



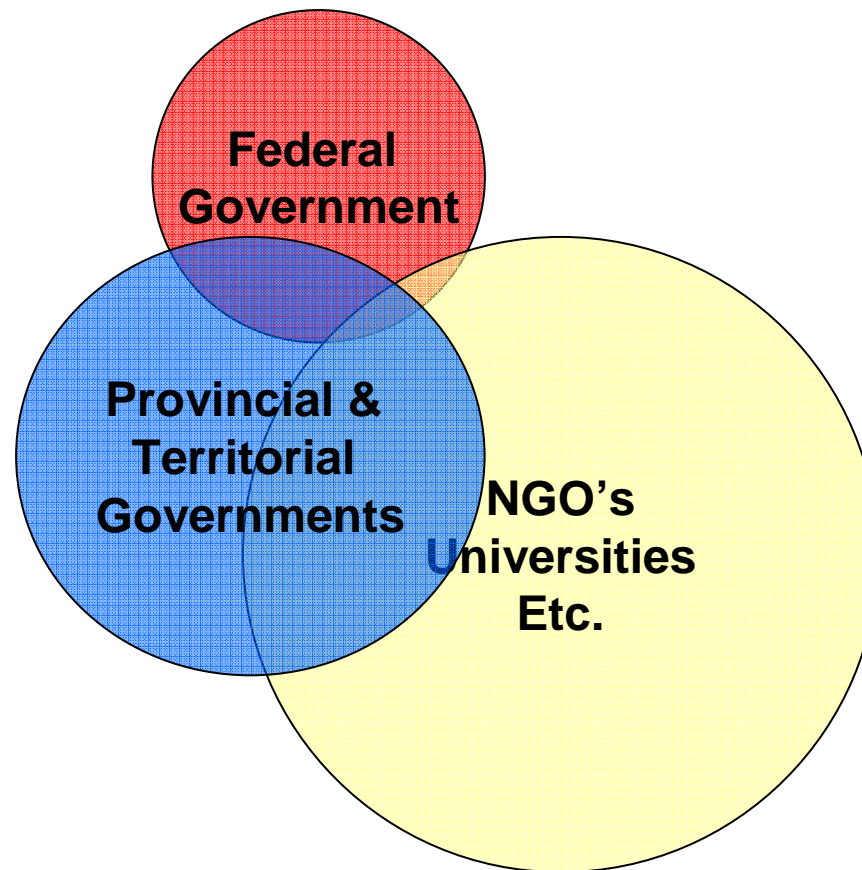
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Why does Canada need a strategy

Lots of activity on IAS in Canada



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Why does Canada need a strategy



- Impacts are huge
- Number of new species is increasing
- Issue touches every Canadian

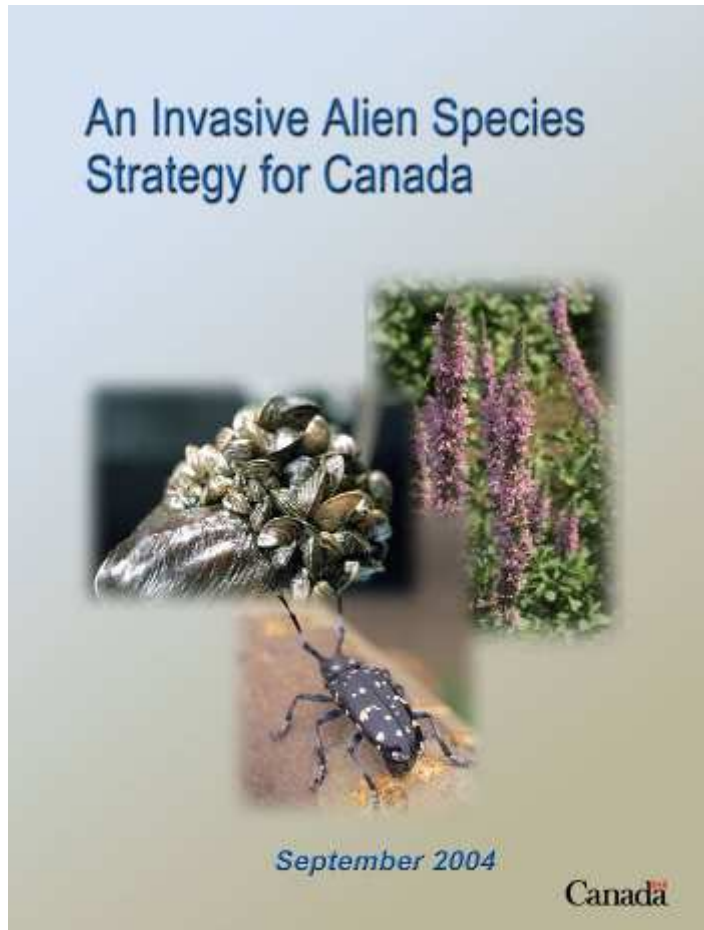


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Background



- **RIO Earth Summit - 92**
 - **UN Convention on Biodiversity - Article 8(h)**
- **Canadian Biodiversity Strategy - 95**
- **Ministers of Forests, Fisheries and Aquaculture – 2001, 2002**
- **Approved in 2004**

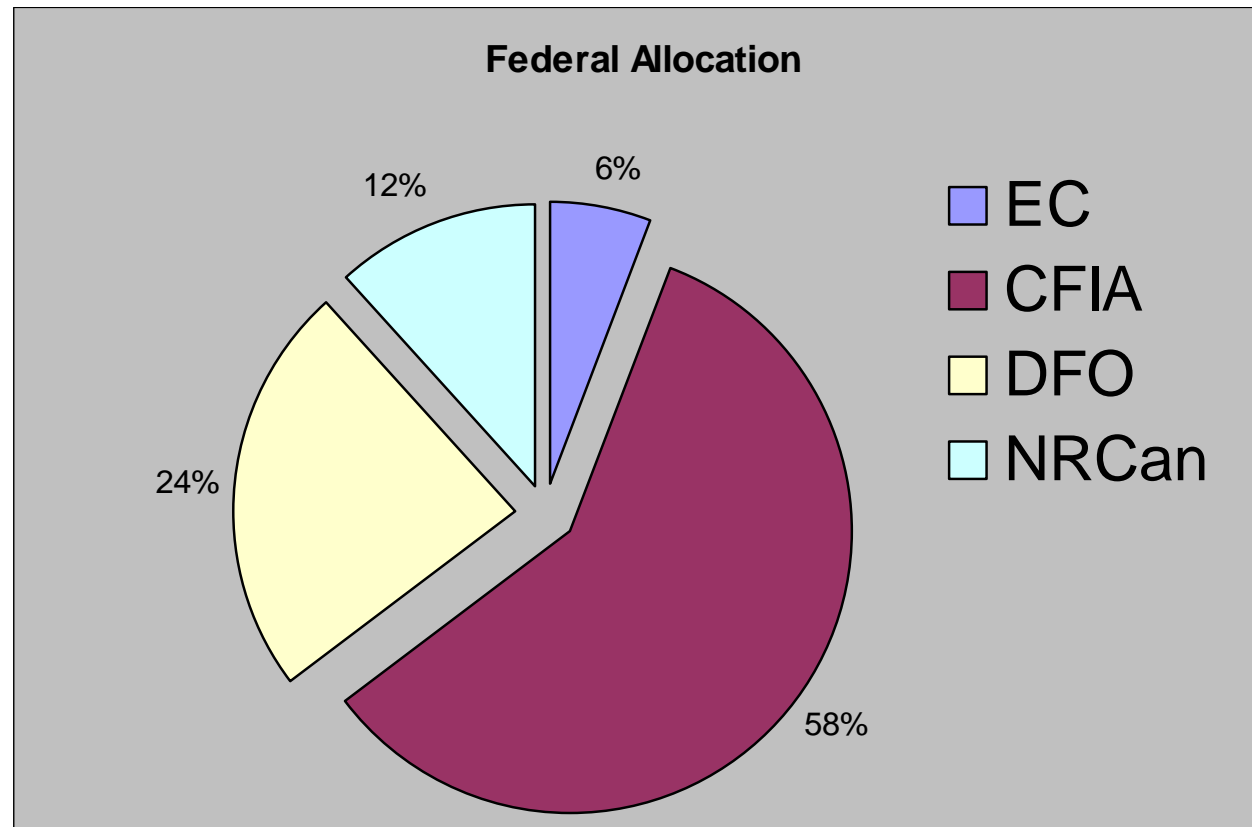


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Background



- Budget 2005 – 85 m for delivery of the strategy over 5 years



Canada's Strategy

- **Goal:**

- to engage Canadians in actions that help minimize risk to the environment, economy, and society

- **Scope:**

- Broad and inclusive
- Seeks to protect Canada's aquatic and terrestrial ecosystems
- Does not cover human health dimensions



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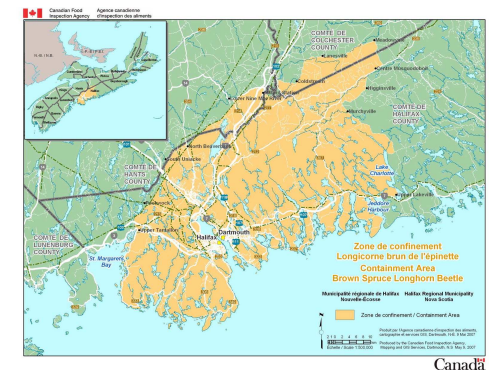
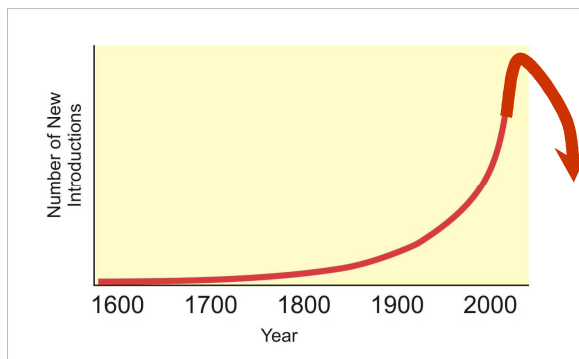
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Canada's Strategy

- **Desired Outcomes:**

- reduce the introduction and spread of IAS
- enable Canadians to become actively involved in projects that address the threat of IAS
- improve the understanding and awareness of Canadians of IAS



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Canada's Strategy



- **Thematic Groups**

- Leadership & Coordination
- Aquatic Species
- Terrestrial Plants
- Terrestrial Animals



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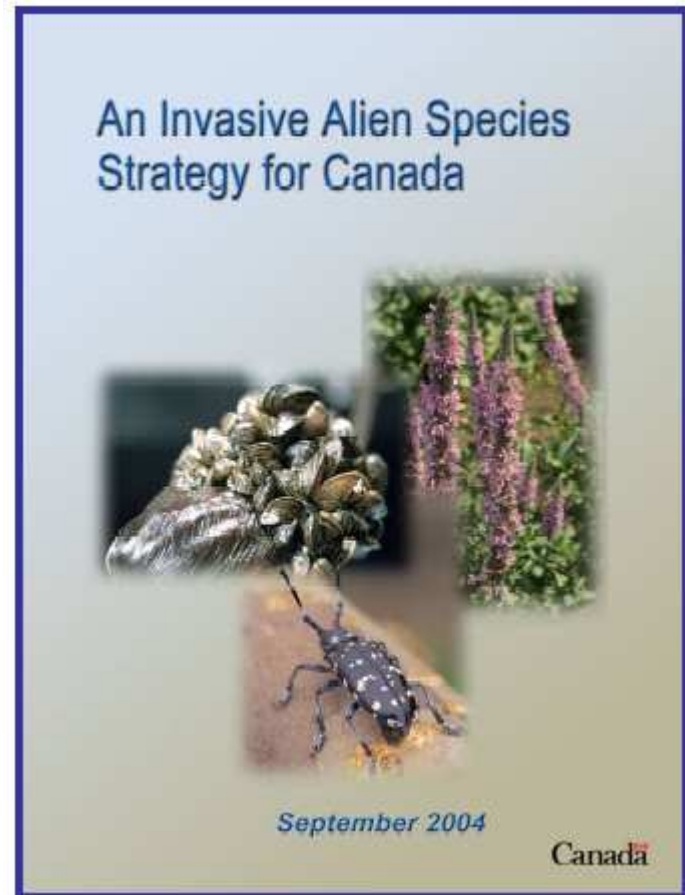
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Canada's Approach

- **Priorities**

- 1. Prevent** harmful intentional and unintentional introductions
- 2. Detect** and identify new invaders pre-border and upon entry
- 3. Respond** rapidly to new invaders upon detection
- 4. Manage** established and spreading invaders through eradication, containment, and control.



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Canada's Approach



- **Focus**
 - Risk Analysis
 - Science
 - Legislation and Regulations
 - Education and Outreach
 - International Cooperation



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Canada's Approach

International Cooperation



- NAPPO – North American Plant Protection Organization
- CBD – Convention on Biological Diversity
- CEC – Commission for Environmental Cooperation
- IMO – International Maritime Organization
- IPPC – International Plant Protection Convention
- CABI – Commonwealth Agricultural Bureau



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Canada's Approach

Aquatic Invasive Species Task Group (AISTG)



- Aquatics Task Group
- Monthly teleconferences
- Chaired by DFO
- Federal and Provincial AIS stakeholders
- Developed: Canadian Action Plan to Address the Threat of Aquatic Alien Species



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Canada's Approach

Aquatic Invasive Species Task Group (AISTG)



- Key Pathways:
 - Shipping
 - Boating
 - Live Bait
 - Aquarium & Pond Trade
 - Live Foodfish
 - Unauthorized Introductions
 - Canals & Water Diversions



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Canada's Approach

Terrestrial Plants and Plant Pests Working Group (TPPWG)



- Terrestrial Working Group
- Developed Action Plan for Invasive Alien Plants and Plant Pests
- Lists roles & responsibilities for key 5 areas:
 - L&C
 - Legislation/regulation
 - Science
 - Risk analysis
 - Education/awareness

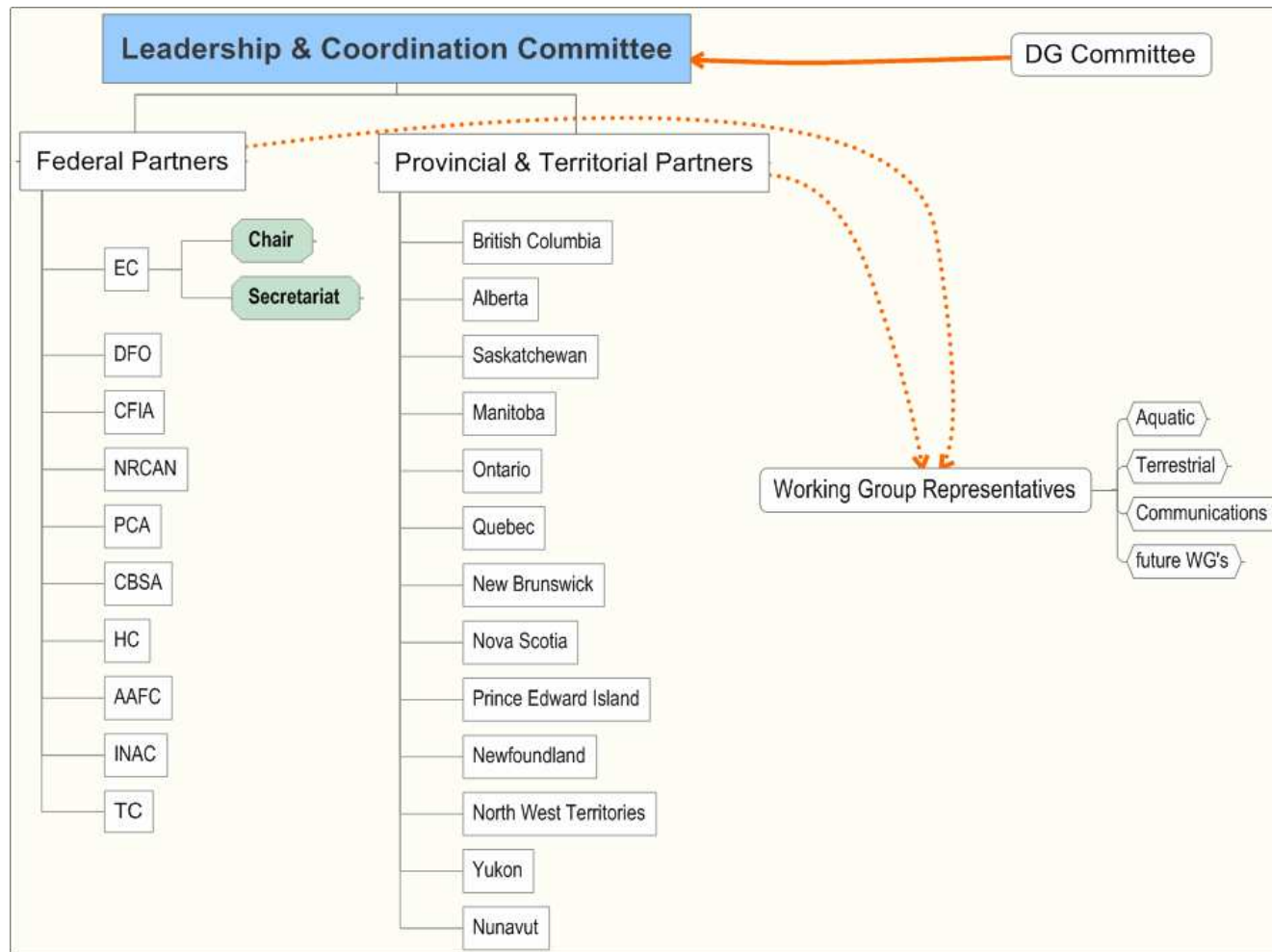


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Canada's Approach



Roles and Responsibilities

Environment Canada

- Federal Leadership and Coordination
- Establish a national IAS Secretariat
- Chair national IAS Leadership & Coordination Committee
- Chair federal interdepartmental IAS Committee.
- Administers the IASPP
- Activities:
 - Establishment of a Canadian IAS Web Portal
 - Contribution to National IAS Communication Strategy
 - Work on international efforts
 - Partnership facilitation



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Roles and Responsibilities

Fisheries and Oceans Canada

- Focus is on aquatic IAS
- Chairing Aquatic Invasive Species Task Group
 - intergovernmental
- Established Centre of Expertise in Risk Assessment of AIS
- Fund AIS research at **Canadian Aquatic Invasive Species Network**
- International links:
 - International Maritime Organization
 - Commission for Environment Cooperation
 - International Joint Commission for the Great Lakes



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Roles and Responsibilities

NRCan – Canadian Forest Service

- Focus is on forest invasive species
- Pest prediction & risk modeling
- Response to newly established species
- Analysis of long established species
- Surveillance, detection methods
- Mitigation and Control
- Collections and Diagnostics
- Trade/Policy Issues



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Roles and Responsibilities

Canadian Food Inspection Agency

- Focus is on plant health issues and pests
- Development of a National Plant Health Strategy
- Science based approach
- Operational delivery/enforcement
- Design programs & implement policies for IA plants
- PRA training
- Inspection manual & training
- Plant health information control & tracking system
- Liaison & link to partner agencies & departments



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Roles and Responsibilities

Other important Federal partners....

Canada Border Services Agency

Parks Canada Agency

Transport Canada

Health Canada



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Bringing it all together



An Invasive Alien Species Strategy for Canada

Terrestrial TG

International Obligations

Aquatic TG

Provincial Partners

CIPF

Federal Partners

NFPS

Ballast Water Regulations



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Finding out more...

EC website... www.ec.gc.ca

Contact me:

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Questions...

