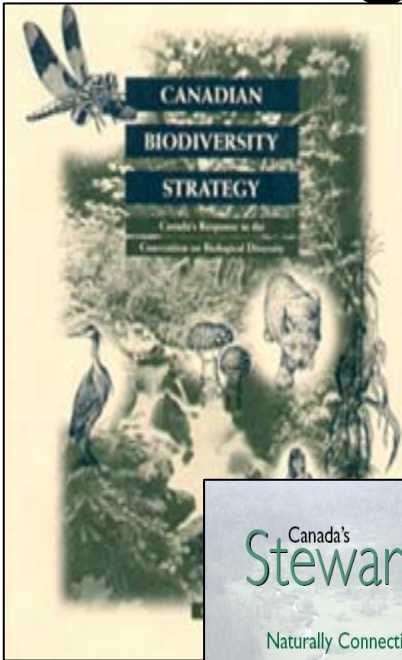
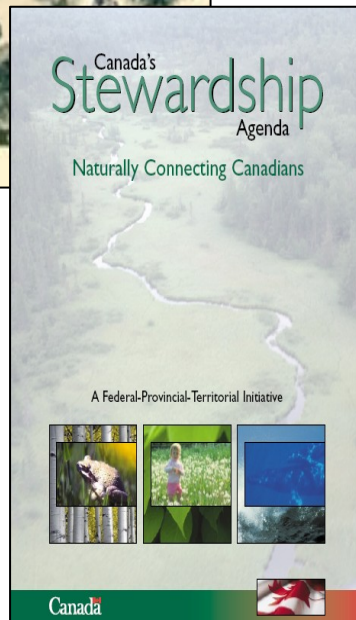


# A Decade of Working Together on Conservation & Sustainable Use of Canada's Natural Assets



- CBS endorsed by FPT Ministers in April 1996
- Federal, provincial, territorial and sectoral strategies and action plans
- First Joint Meeting of Ministers identifies cross-cutting biodiversity priorities – 2001
- Canada's Stewardship Agenda – 2003
- Invasive Alien Species Strategy – 2004
- Request to Develop Biodiversity Outcomes Framework - 2005



# In March Stakeholders Provided Advice on Strategic Directions & Key Outcome Areas

- Expand from species and protected areas focus to ecosystem-based focus
- Valuation of biodiversity and Natural Capital Accounting
- Integrated and Adaptive Planning and Management supported by enhanced science & information
- New governance arrangements that engage civil society in planning, delivery, monitoring, reporting and assessment
- Nationally coordinated status and trends and performance-based monitoring and reporting

# Key Enabling Elements Needed to Achieve Biodiversity Outcomes within an ecosystem and adaptive management approach

**Assess:** Science and Information to Support Integrated Planning and Priority Setting

**Plan:** Governance to support a synergistic and syndicated approach

**Do:** Targeted and sustained communications and engagement

**Track:** Long term commitment, networks and systems to monitor and report changes and progress

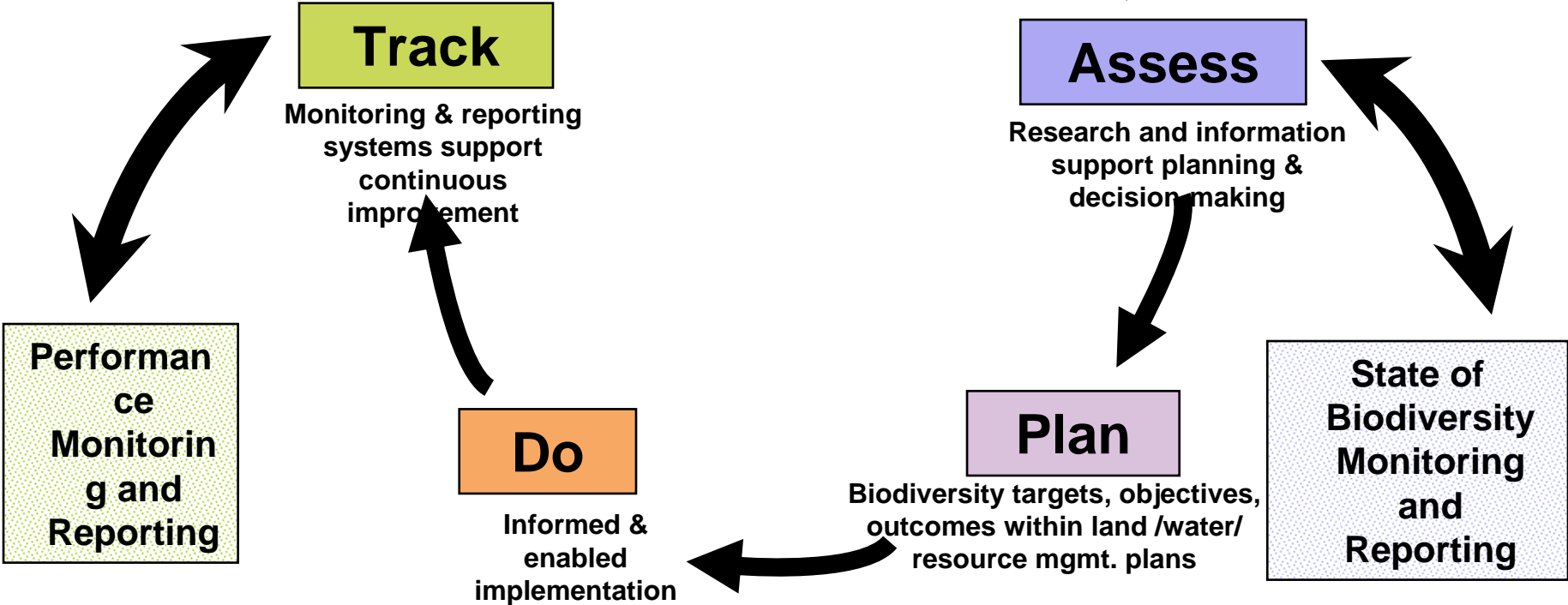


# The framework takes an, iterative, adaptive mgmt. approach - continuous feedback and improvement

## Biodiversity Outcomes: The What



## Management Outcomes: The How



# The framework can be used to connect plans and achievements across governments



# New tools and initiatives related to biodiversity science and information

- Alberta Biodiversity Monitoring Program
- Landscape modeling, visualization & prediction
- GEOSS
- Citizen science (e.g., EMAN)
- Census of Marine Life
- CBD indicators (e.g., Trophic Index)
- Canadian Biodiversity Index
- Gap Analysis (protected area networks)
- Millennium Ecosystem Assessment
- Taxonomy initiatives – GBIF, DNA barcoding

# **ASSESS - Biodiversity Information: many initiatives but limited inter-operability**

## International

- CBD's Clearing-house Mechanism
- Global Biodiversity Information Facility (GBIF)
- Ocean Biogeographic Information System
- Global Earth Observation System of Systems (GEOSS)
- NatureServe International
- BarCode of Life

## Canadian

- Federal Biodiversity Information Partnership
- NatureServe Canada and CDCs
- Canadian Bird Trends database
- RESEAU
- National Forest Information System
- National Land and Water Information System
- Canadian Conservation Areas Database (CCAD)
- Conservation Areas Reporting and Tracking System (CARTS)

# Proposed Thematic Areas

- **Place-based** (Integrated Landscape Management, Protected Areas)
- **Species-based**
- **Genetic Resources, Access and Benefit Sharing**
- **Sector-based** (Agriculture, Forestry, Fisheries, Mining, Oil and Gas, Tourism)
- **Climate Change and Biodiversity**
- **Invasive Alien Species**
- **Valuing Ecosystem Goods and Services**
- **Citizen Engagement and Stewardship**
- **Aboriginal Issues and Traditional Knowledge**
- **Science and Information**
- **Monitoring, Indicators and Reporting**
- **Governance and Institutional Reform**



# **Track-** Unable to report on state of Canada's biodiversity in a comprehensive way

## **Recent International Reports have heightened awareness of biodiversity loss and its impact on people**

- **Millennium Ecosystem Assessment, 2005; Global Biodiversity Outlook 2; Living Planet Index etc.**

## **Biodiversity Reporting in Canada predominantly focused on Wildlife/Species at Risk**

- **Wild Species 2005; population status of Migratory Game Birds; COSEWIC; environmental signals**

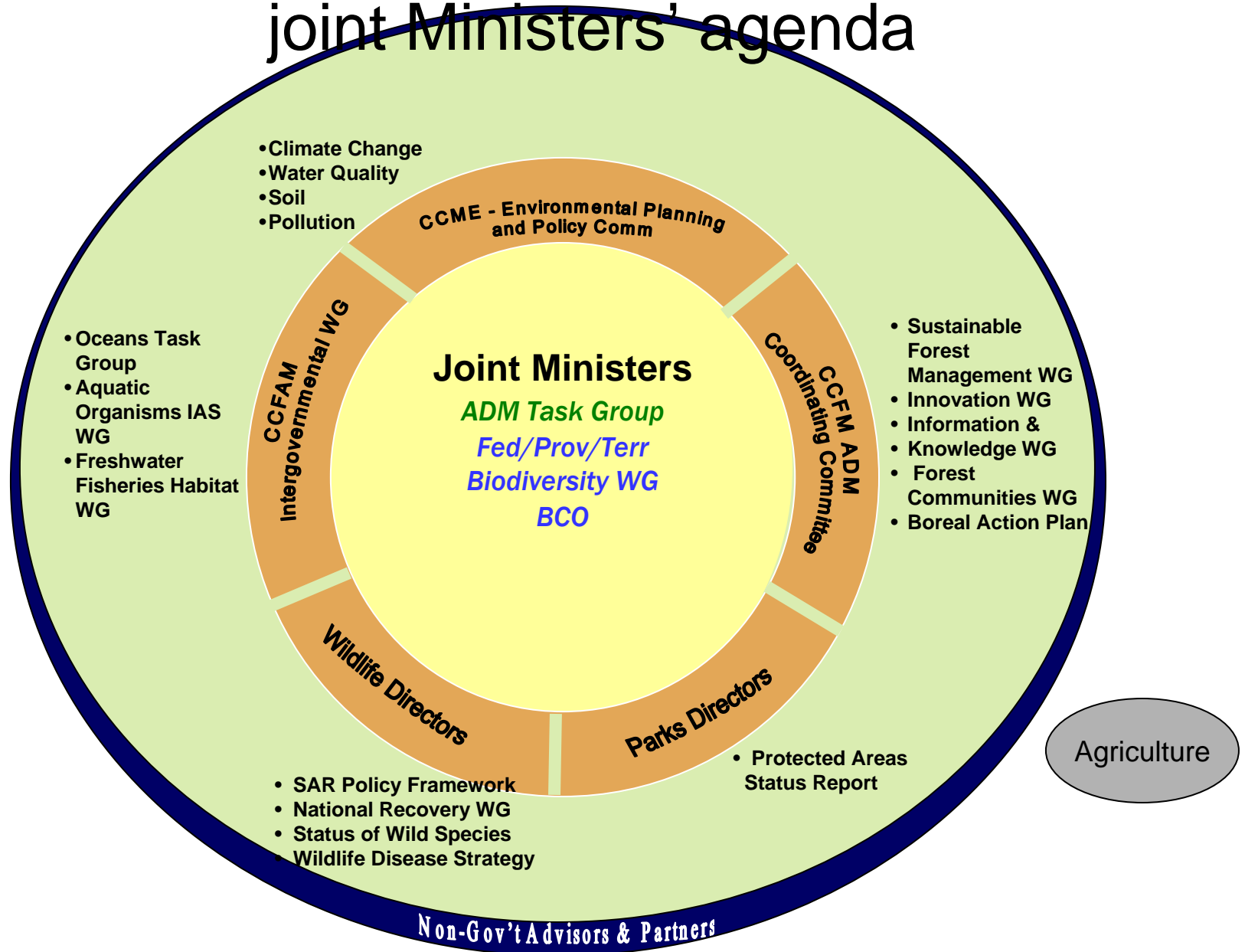
## **Some ecosystem assessments but national picture incomplete**

- **Ecosystem Based: The Boreal In the Balance, 2005; Status of Protected Areas 2006; State of Canada's Forests, 2005-2006**
- **Watershed Based:**
  - **Mackenzie River Basin State of Aquatic Ecosystem Report, 2005**
  - **Great Lakes State of the Environment – 2006 in process**
  - **St. Lawrence River Monitoring and Reporting - 2003**
  - **Georgia Basin/Puget Sound – 2006 in process**

## **Performance Reporting**

- **Canada's 4<sup>th</sup> National Report due in 2009**

# PLAN - Governance: Needs to support integrated joint Ministers' agenda



**And create a linkage with the plans and priorities  
of a wide range of partners.....**

