Foresight for Canadian Animal Health

Shane Renwick  DVM MSc
CFIA, Ottawa

CAHLN, Guelph
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The Brave New World of Animal Health

• Inter-connected
• Threatened
• Insecure
• Complex
• Problematic
• Changing
• Uncertain
• Multi-jurisdictional
The Opportunity

- CBRNE Research Technology Initiative (CRTI)
- Post 911 investments in FMD, CSF, HPAI capability
- Animal and Public Health Surveillance Networks
- In 2007—
  - How can Foresight methods be applied to ensure future relevance of current investments?
The Community

- Federal-Provincial
  - Agriculture/Health/Environment
- Industry
- Academia
- NGOs
- First Nations
- Citizens
- International
- National Security
The Project

- $2 M over 3 years (plus $2M partners’ in-kind)
- Research and Development

“Apply and Develop Foresight and Future Visioning to Capability-Based Planning For Animal Health Emergency Management in Canada”
The Project

Phases

2009

Phase 1
Planning, Learning, Community-Building

Phase 2
Applying Foresight to AHEM in Canada

Phase 3
Developing Priorities

2011

Key Activities

1. Key Issues and Driving Forces
2. Scenario Development
3. Systems Mapping
4. Integration
5. Analysis and Implications
6. Outputs Synthesis
7. Consultations and Research
8. Action Plan Development

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The Desired Outcome

Future-Ready System with ....

• Shared vision
• Long term strategies
• Defined capabilities
• Aligned initiatives
• Coordinated action plan
The Partners

- Canadian Food Inspection Agency
- Agriculture & Agri-food Canada
- Public Health Agency of Canada
- Health Canada
- Ontario Ministry of Agriculture, Food & Rural Affairs
- Alberta Agriculture and Rural Development
- Canada’s 5 Veterinary Colleges
- Dairy Farmers of Canada
- TDV Global, Inc.
- Multi-jurisdictional Network: Over 300 individuals from a wide range of sectors including the federal, provincial, industry, academic and social sectors both domestic and international.
The Framework

- Developed around a shared vision for animal health management derived from foresight
- Applied to emergency management across five key capability areas
- Refined through the Strategic Alignment Workshop held in February 2011
- Supported by an outcome-based roadmap bridging the future destination with the current state
Animal health will be recognized as a key pillar in the preservation and promotion of Canada’s health and economic prosperity. In keeping with that perspective, Canada’s animal health emergency management system will be anticipatory, adaptable and seamlessly integrated with human, economic and ecosystem health systems.
### Supporting the Vision

#### Key Capability Areas

<table>
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<tr>
<th>Organization and Decision-Making</th>
<th>Information and Data Sharing</th>
<th>Expertise and Personnel</th>
<th>Science and Technology</th>
<th>Policy, Law and Regulation</th>
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<tbody>
<tr>
<td>• Collaborative</td>
<td>• Accessible</td>
<td>• Certified</td>
<td>• Applied</td>
<td>• Best Practices</td>
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<tr>
<td>• Multi-Jurisdictional</td>
<td>• Consistent</td>
<td>• Educated</td>
<td>• Coordinated</td>
<td>• Consistent</td>
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<td>• Multi-disciplinary</td>
<td>• Integrated</td>
<td>• Exercised</td>
<td>• Current</td>
<td>• Consultative</td>
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<td>• Rapid</td>
<td>• Modern</td>
<td>• Interoperable</td>
<td>• Expanded</td>
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<td>• Rehearsed</td>
<td>• Trusted</td>
<td>• Skilled</td>
<td>• Staffed</td>
<td>• Internationally</td>
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<tr>
<td>• Scalable</td>
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<td>• Surge-Capable</td>
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<td>• Relevant</td>
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Supporting the Vision
Healthy Animals, Healthy Future 2025

Fore-CAN Capability-Based Integrated Framework
Applying the Integrated Framework and Roadmap can:

- Help provide a long-term perspective for organizational strategic planning
- Serve as a platform for multi-jurisdictional and inter-disciplinary activity
- Help establish design criteria for new and existing initiatives in terms of:
  - Involvement of stakeholders
  - Areas of focus.
Path Forward
Leveraging Key Linkages

The Framework is already linked to Key Initiatives:

- National Farmed Animal Health and Welfare Council
- CFIA
  - Biosecurity Strategy
  - Strategic Planning Process
- One Health (via Public Health Agency of Canada)
  - Collaboration with PHAC
  - CVO Student Internship
- OGDs (HC, DFO, Policy Horizons Canada) via University of Ottawa
- Shaping Tomorrow (UK) Horizon scanning
- International (AUS, UK, EU)
Path Forward
Moving to 2025

• Gain awareness and acceptance of Framework
  • Proceed deliberately but slowly to effect change

• Apply the Framework to a key system function: Surveillance
  • Involve key initiatives as partners (NFAHWC, PHAC, others)
  • Identify source of funding for a Pilot (CRTI)
  • Align objectives of Pilot with other initiatives (IB pilot on EID, CFIA/NFAHWC Surveillance Strategy, IB-OCUR, CFIA Bio-Security Strategy, GRDI)
Fore-CAN 3rd Annual Symposium
Project Accomplishments & Path Forward

Date: September 8th, 2011
Location: Airport Garden Inn, Ottawa, Ontario
Participants: 150-200 representatives of all sectors
Keynote Speaker: Michael Jackson, Shaping Tomorrow

Additional Speakers and Roundtable Participants:
- Dr. Peter Black (Australia)
- Partner/Sector Representatives
Other Upcoming Activities

Fore-CAN - Post-Symposium

• Production and Distribution of Final Report;
• Project Outreach – presentations across Canada as hosted by project partner organizations;
• Horizon Scanning opportunities;
• Workshop focused on implementation of the Framework (~October 2011)
• Pilot project focused on one capability or threat
Fore - CAN  ◀  Pré - CAN