Fore CAN

Foresight for Canadian Animal Health



Healthy Animals | Healthy Future 2025 From foresight to insight to action > applying foresight to Animal Health Emergency Management in Canada

- Shared Vision
- Framework
- Road Map
- Tools & Applications

Animal Disease in the 21st Century

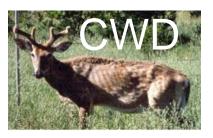


We need a future-ready emergency management system

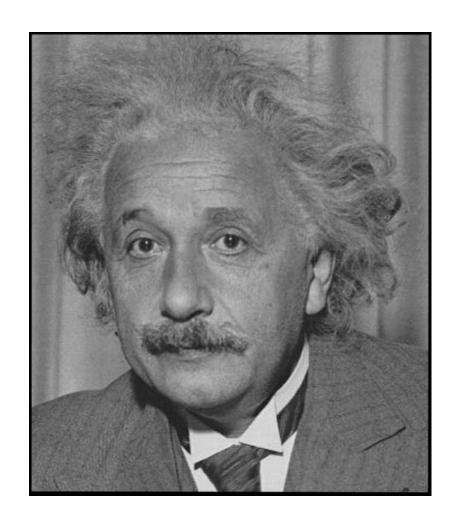












We can't solve problems by using the same kind of thinking we used when we created them.

What is Foresight?

A participative, systematic approach to creating shared long term vision to inform short-term decision-making processes.

(EU Foresight Network)



Using Foresight

How does Foresight work?

- systematic methods to help consider a range of plausible futures, not just one...
- think in new ways
- gain insight
- build understanding

Foresight does <u>not</u> predict

 but it does help to identify plausible links between current events, actions or trends and potential long-term outcomes



Supports future-focused thinking to inform <u>today's</u> decision-making

Fore-CAN: 2008-2011

Focal Question:

Looking out to 2025 and beyond:

How do we build a more effective, anticipatory and robust Animal Health Emergency Management (AHEM) system in Canada?

Fore-CAN: 2008-2011

Objectives:

- Animal health community learns foresight methods
 —think at a "system" level, develop a shared vision;
- 2. Insight leads to action in aligning strategies;
- 2. Knowledge is transferred, planning "culture" is changed.

Fore-CAN Partners



Defence Research and Development Canada

Government



GOVERNMENT OF CANADA

- Agriculture and Agri-Food Canada
- Canadian Food Inspection Agency
- Health Canada

CANADA'S VETERINARY COLLEGES

Public Health Agency of Canada



GOVERNMENT OF ONTARIO

Ministry of Agriculture, Food and Rural Affairs



GOVERNMENT OF ALBERTA Agriculture and Rural Development

Vet Colleges



Canad'ä









Industry















Fore-CAN Participants

The Fore-CAN initiative enaged a community of stakeholders from widely diverse backgrounds, including:

- Academics
- Consumers
- Cultural Groups
- Farmers
- Futurists
- Government representatives
- Industry representatives
- Legal experts
- Policy experts
- Scientists
- Students
- Wildlife experts

- 40 organizations
- Over 300 participants





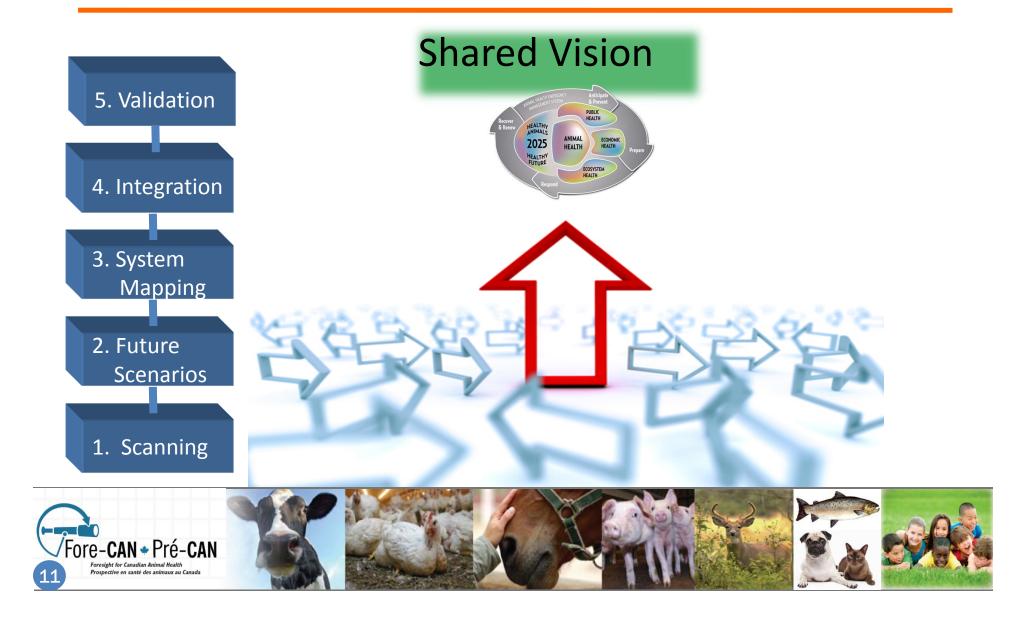








Applying foresight



Healthy Animals, Healthy Future

Shared Vision for the AHEM System of 2025



Animal health is 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 is anticipatory, adaptable and seamlessly integrated with human, economic and ecosystem health systems

Supporting the Vision

The 5 Key Capability Areas in the System

- 1. Organization & Decision-Making
- 2. Science & Technology
- 3. Expertise& Personnel
- 4. Policy, Law& Regulation
- 5. Information& DataSharing



- Collaborative
- •Multi-jurisdictional
- •Multi-disciplinary
- •Rapid
- •Rehearsed
- Scalable



- Applied
- Coordinated
- Current
- Expanded
- Staffed



- Certified
- Educated
- Exercised
- •Interoperable
- Skilled
- •Surge-Capable

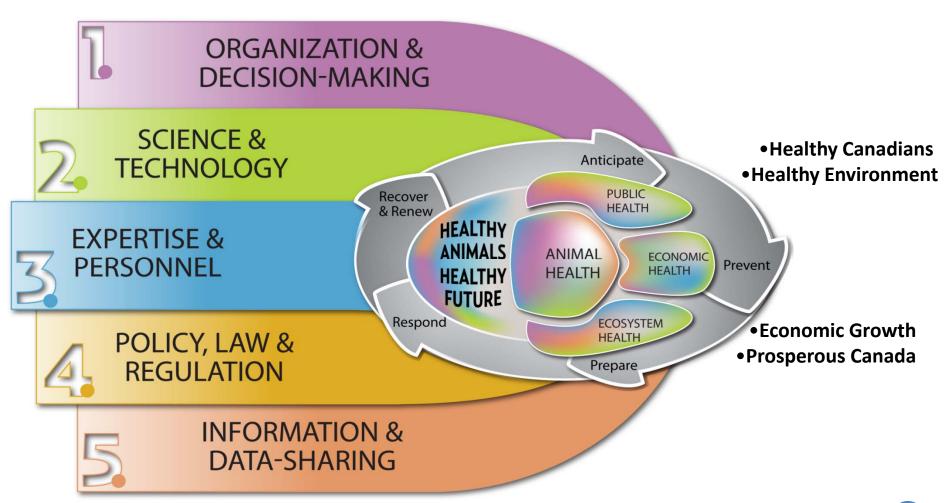


- Best Practices
- Consistent
- Consultative
- Engaged
- Internationally
- •Relevant

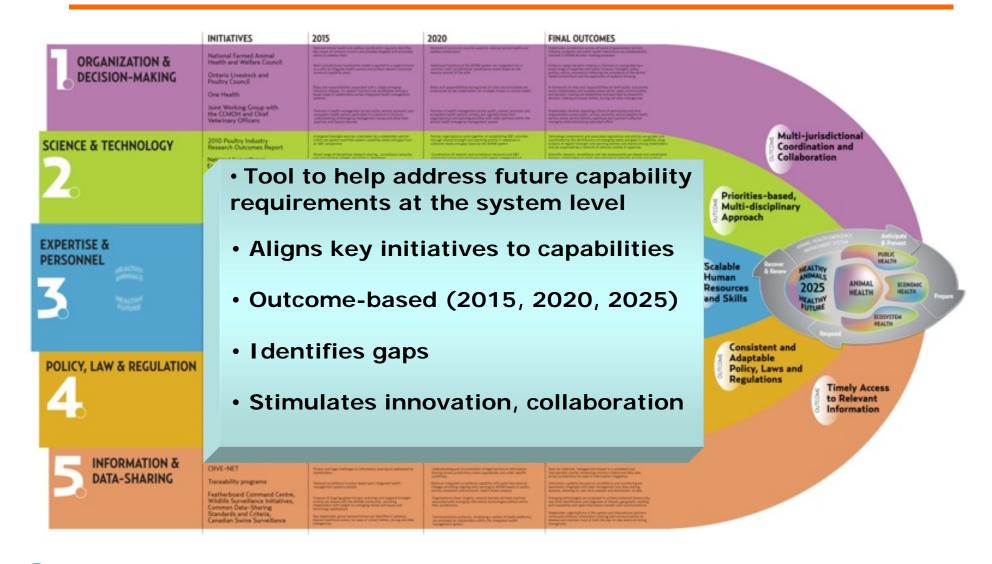


- Accessible
- Consistent
- Integrated
- •Modern
- Trusted

Integrated Animal Health Risk Management Framework.....



Roadmap to 2025



Fore-CAN Assessment Tool (FCAT)

Applied in a participative setting.....

LEVEL 1: Assessment of Four Health Dimensions

Drivers and Impacts



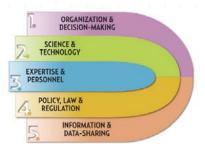
LEVEL 2: Assessment of Five Risk Management Action Areas

Where are we vulnerable?



Why are we vulnerable (gaps)?















Current Applications and Initiatives

- 1. Long Term Strategic Plan and Research Strategy, (CFIA)
- 2. National Farmed Animal Health and Welfare Council (Canada)
 - Surveillance
 - Anticipation and intelligence Initiative (with CFIA)
- 3. Science -Policy Interface on Emerging Infectious Disease (Canadian Federal Science Departments)
- 4. Global Foresight Hub (Global Forum on Agricultural Research)
 - GCARD 2012
- 5. Research Agenda for Global Strategic Alliances for the Coordination of Research on the Major Infectious Diseases of Animals and Zoonoses (EU STAR-IDAZ)



Fore-CAN: Insights on the future system design

- multi-disciplinary, multi-jurisdictional;
- intelligence analysis, anticipation and prevention;
- lessons-learned and renewal post-event;
- new skills (e.g. science-policy "integrators");
- dData and information sharing



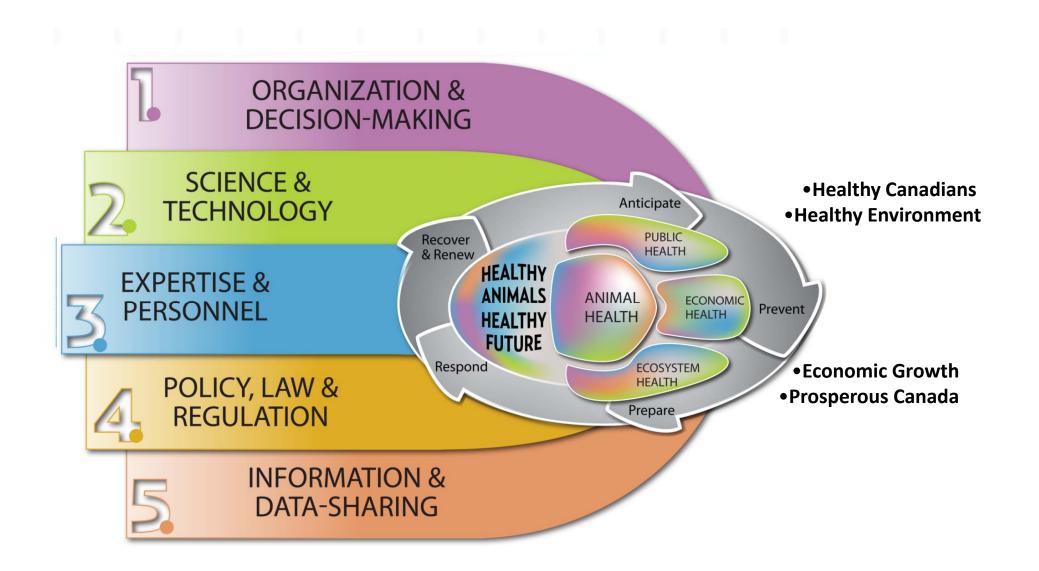
Lessons learned about foresight

- helps build bridges, develop vision, assess issues
- supports "system thinking";
- informs strategic planning and change management;
- must be linked to planning or policy agenda;
- communication is critical;
- senior management must champion.



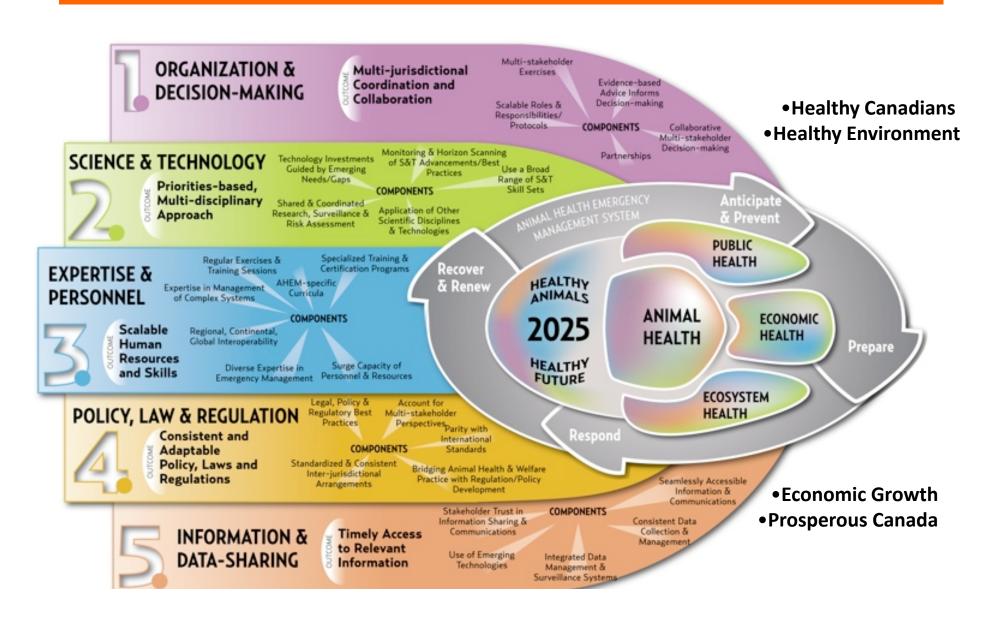


Integrated Animal Health Risk Management Framework.....



Healthy Animals, Healthy Future

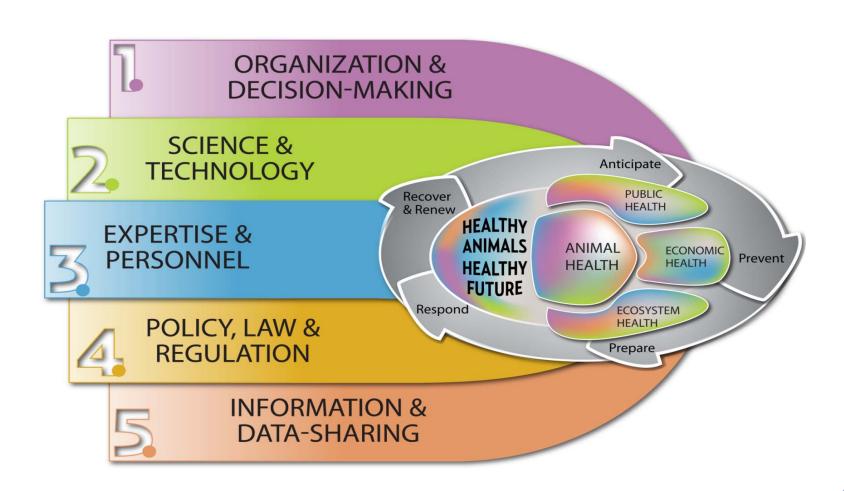
A Shared Vision for the AHEM System of 2025





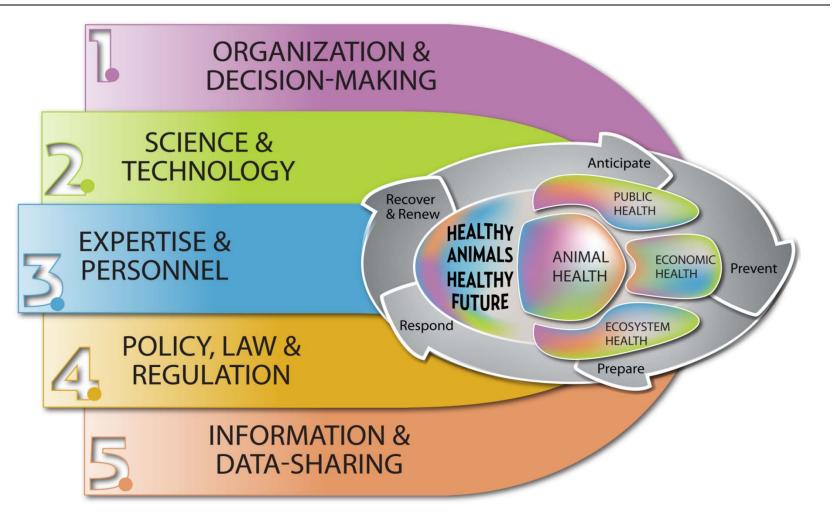
We can't solve problems by using the same kind of thinking we used when we created them.

Integrated Animal Health Risk Management Framework





Shaping the shared vision....



.... and designing its foundation.

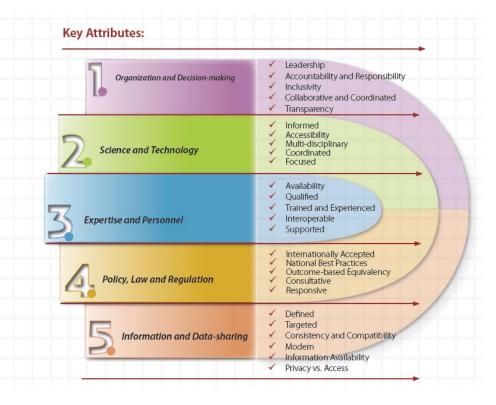
Offering the right approach for a changing world

Foresight for Canadian Animal Health

Tools to support "systems thinking"

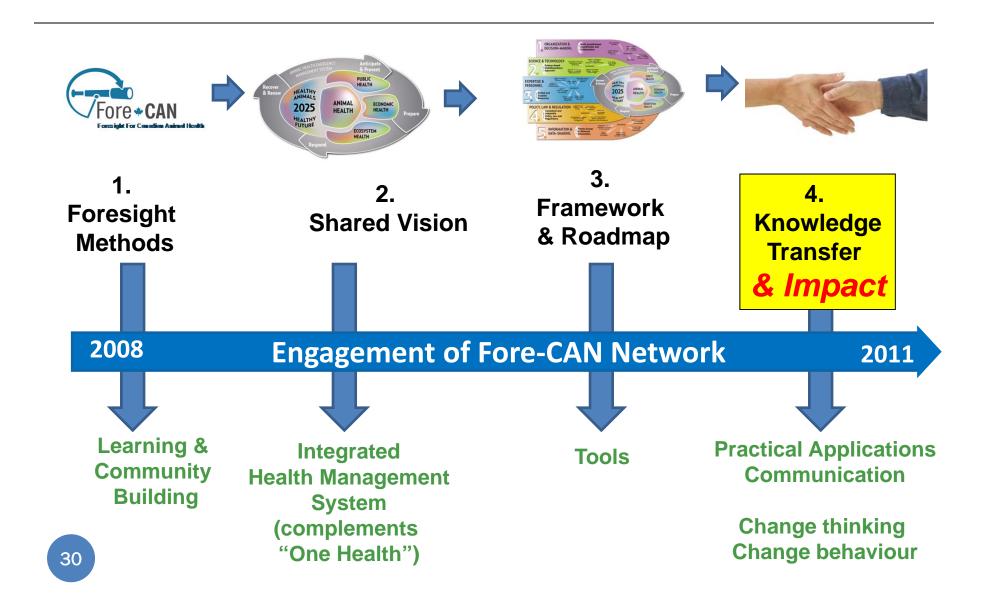
Fore-CAN Assessment Tool (FCAT)

Helping the animal health community manage change, risk & uncertainty by applying systems thinking to assessment of issues





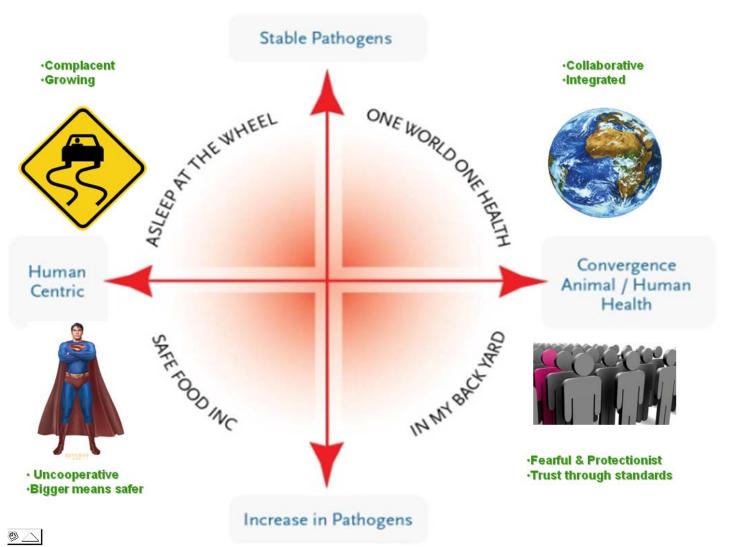
Fore-CAN Overview



Scanning Exercise



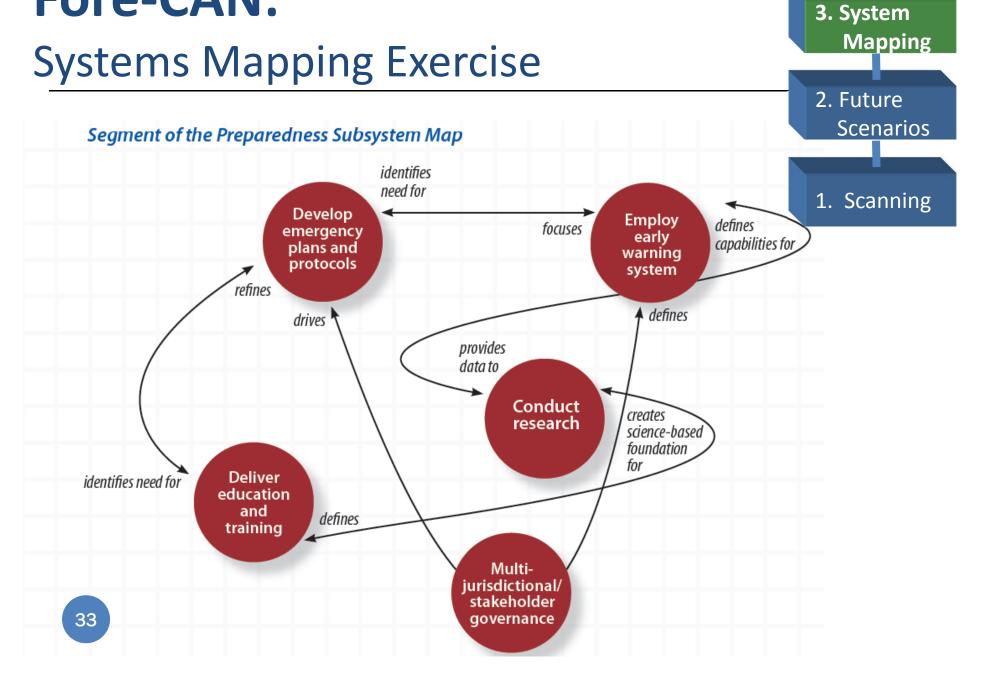
Future scenarios exercise



3. System
Mapping

2. Future
Scenarios

1. Scanning



Preliminary Impact Analysis

Top Five Impacts

- 1. Developing connections and networks
- 2. Integrate Stakeholders into Foresight
- 3. Develop and employ new methodologies and approaches
- 4. Seeding opportunity and innovation by creating strategic direction
- 5. Alignment of thinking across sectors

Lowest Five Impacts (require further development)

- 1. Prioritizing Resources
- 2. Focus on a clearly defined client
- 3. Media attraction and messaging
- 4. Direct links to senior policy- makers
- 5. Training and skills development