

National Collaborating Centre for  
Healthy Public Policy

***The challenges of sharing  
locally usable knowledge  
on healthy public policy***

Presentation to the  
**Canadian Rural Health Research Society  
Conference**

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Centre de collaboration nationale  
sur les politiques publiques et la santé  
National Collaborating Centre  
for Healthy Public Policy

Institut national  
de santé publique  
Québec

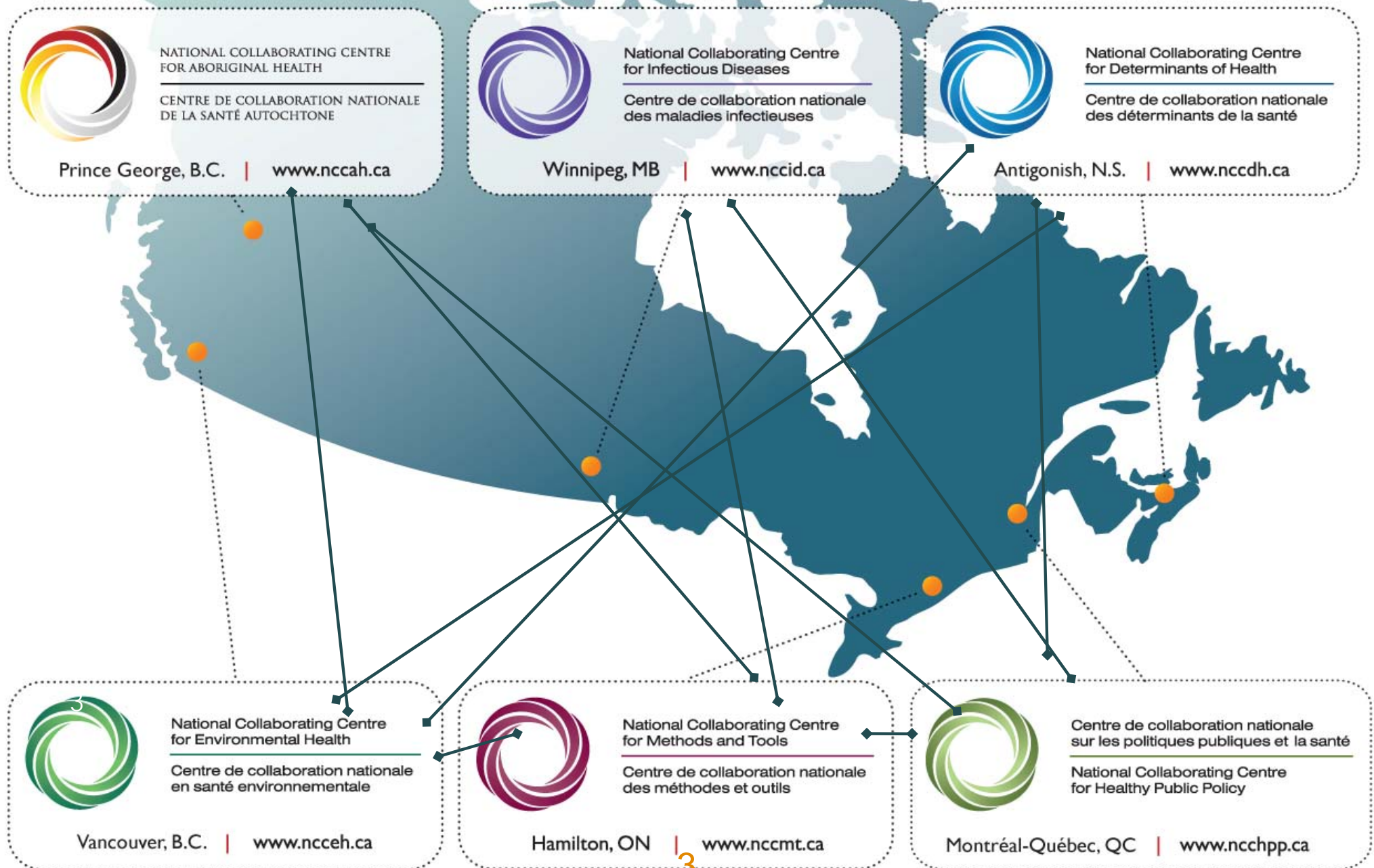
# This presentation

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- The National Collaborating Centres program
- The challenges of Knowledge Translation Centres
- Applied example : NCC for Healthy Public Policy



# A network of six centres



# Mission and activities for the National Collaborating Centres

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## Mission

- To be the public health practitioners and decision-makers' "bridge" with the research community

## Target

- Frontline public health actors and policy-makers

## Activities

- Knowledge Synthesis, Translation and Exchange
- Identification of Knowledge Gaps.
- Networking



# Knowledge utilization 101







Content



User



Approach



Context



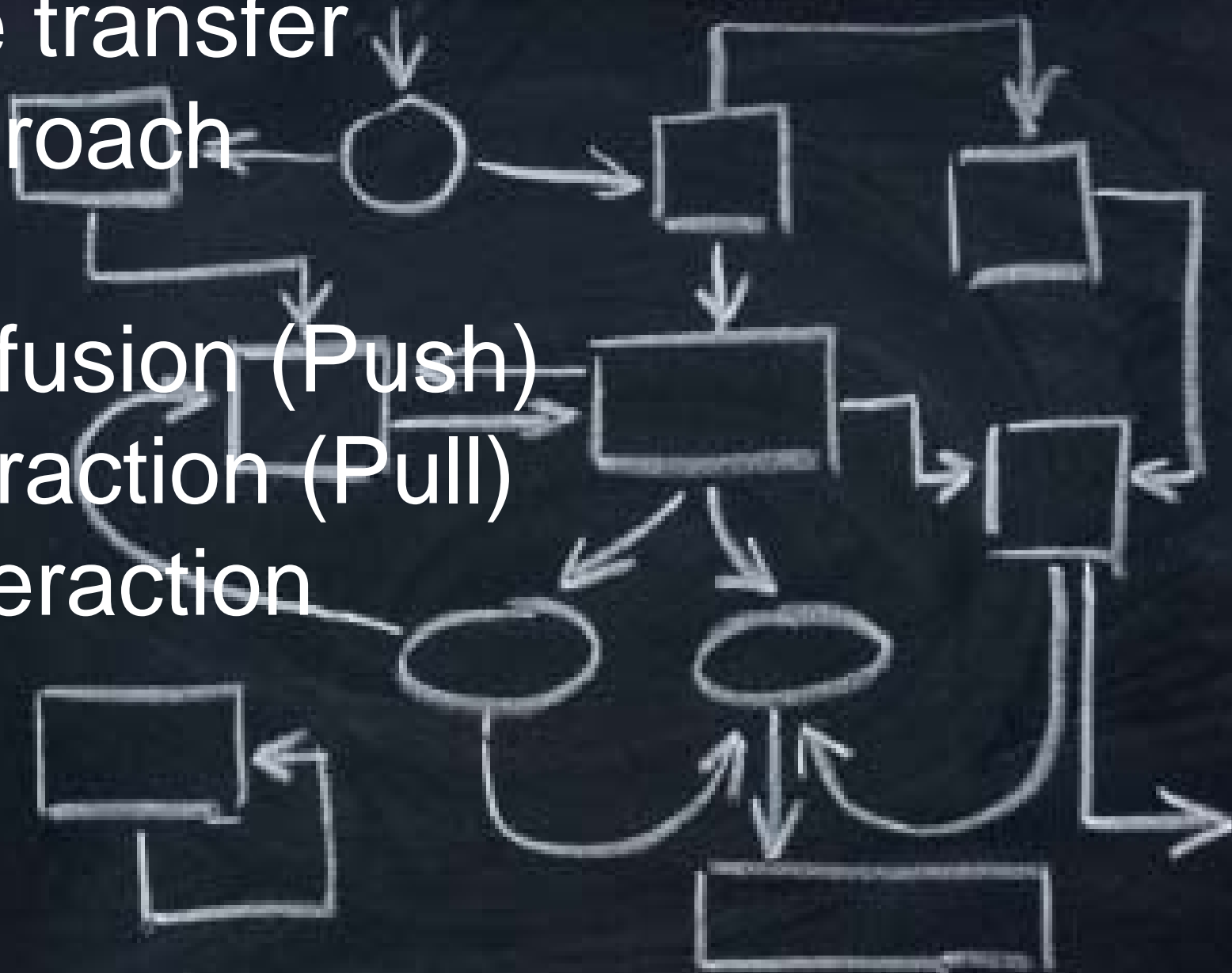
# The user

- Attitude
- Capacity



# The transfer approach

- Diffusion (Push)
- Attraction (Pull)
- Interaction





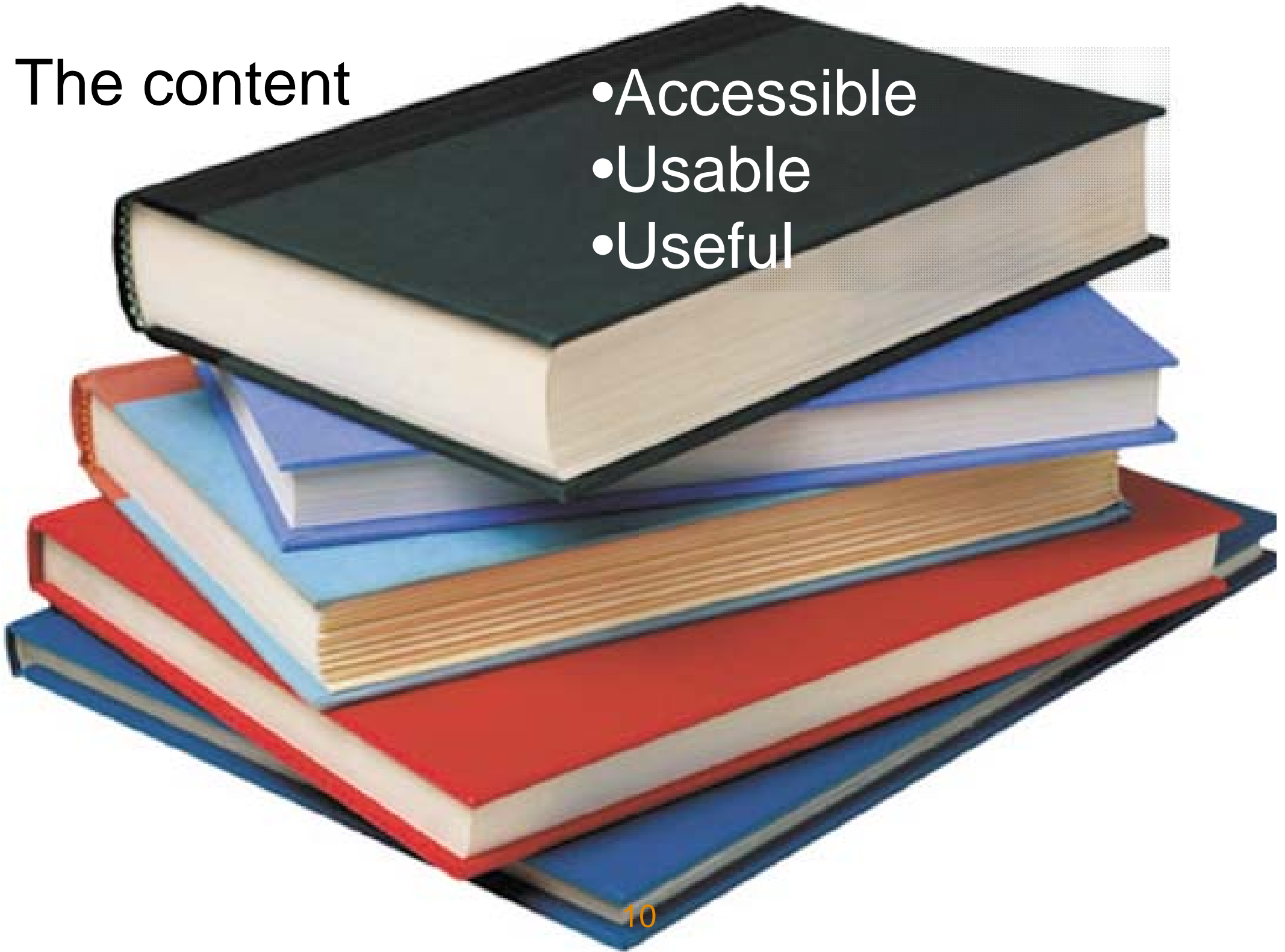
# The organization

- Resources
- Culture



# The content

- Accessible
- Usable
- Useful



# Knowledge brokering example: The raw data: Weather simulation

## Lorenz Equations

$$\frac{dx}{dt} = \sigma (y(t) - x(t))$$

$$\frac{dy}{dt} = -y(t) - x(t)z(t) + \rho x(t)$$

$$\frac{dz}{dt} = x(t)y(t) - \beta z(t)$$

Constants :  $\sigma = 3$ ;  $\rho = \frac{268}{10}$ ;  $\beta = 1$  (These values determine the behavior of the trajectory)

Initial Conditions :  $x(t) = 0$ ;  $y(t) = 1$ ;  $z(t) = 0$

$x(t) \rightarrow$  amplitude of convective currents

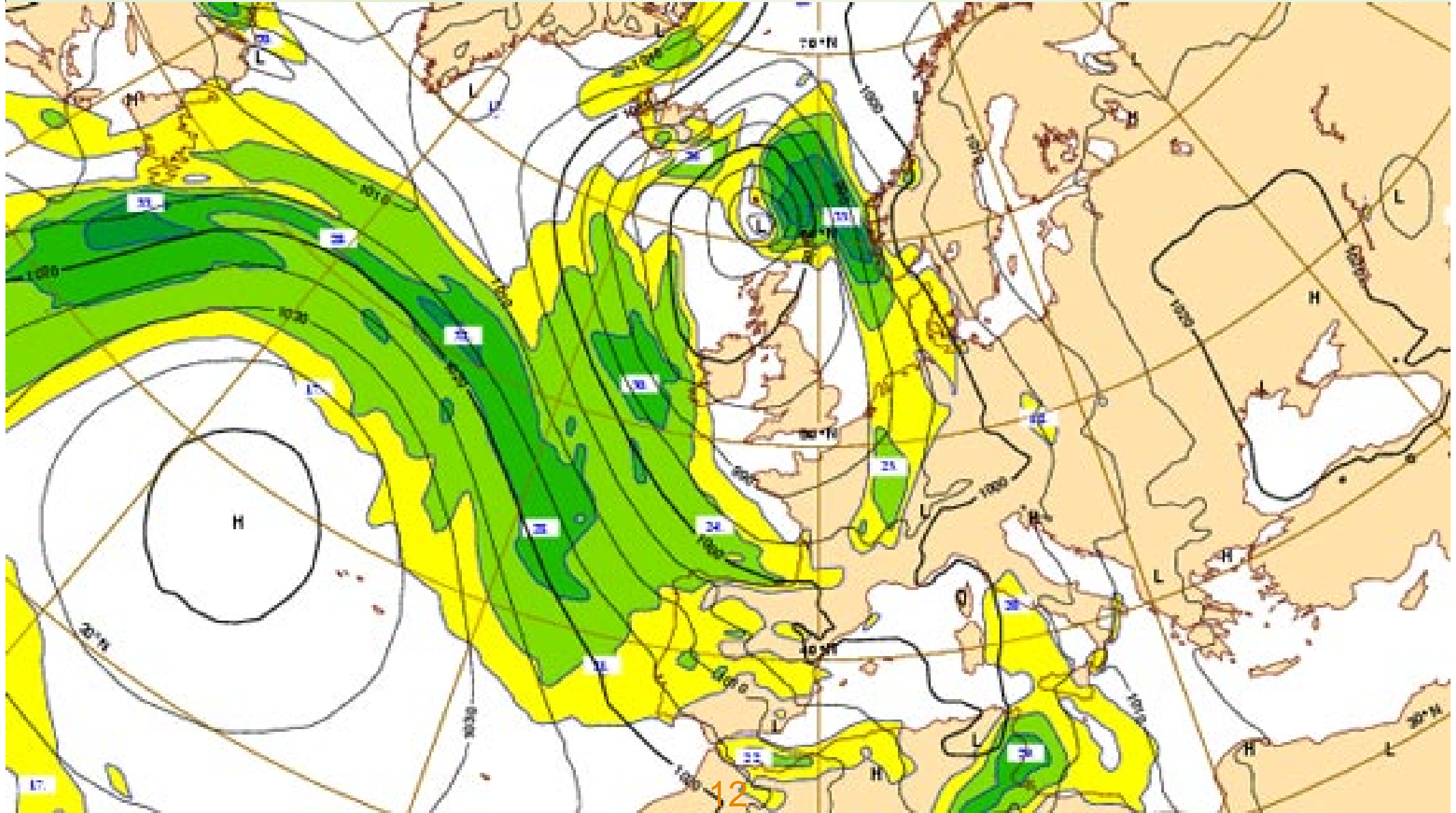
$y(t) \rightarrow$  temperature difference between rising and falling air currents

$z(t) \rightarrow$  normal temperature deviation

$t \rightarrow$  time step

# Knowledge brokering example

## The representation: Weather Maps





# Knowledge brokering example

## The interpretation: knowledge broker



# Knowledge Broker Frameworks

(Nutley, 2009, based on Oldham & McLean, 1997)

## “Three brokerage frameworks

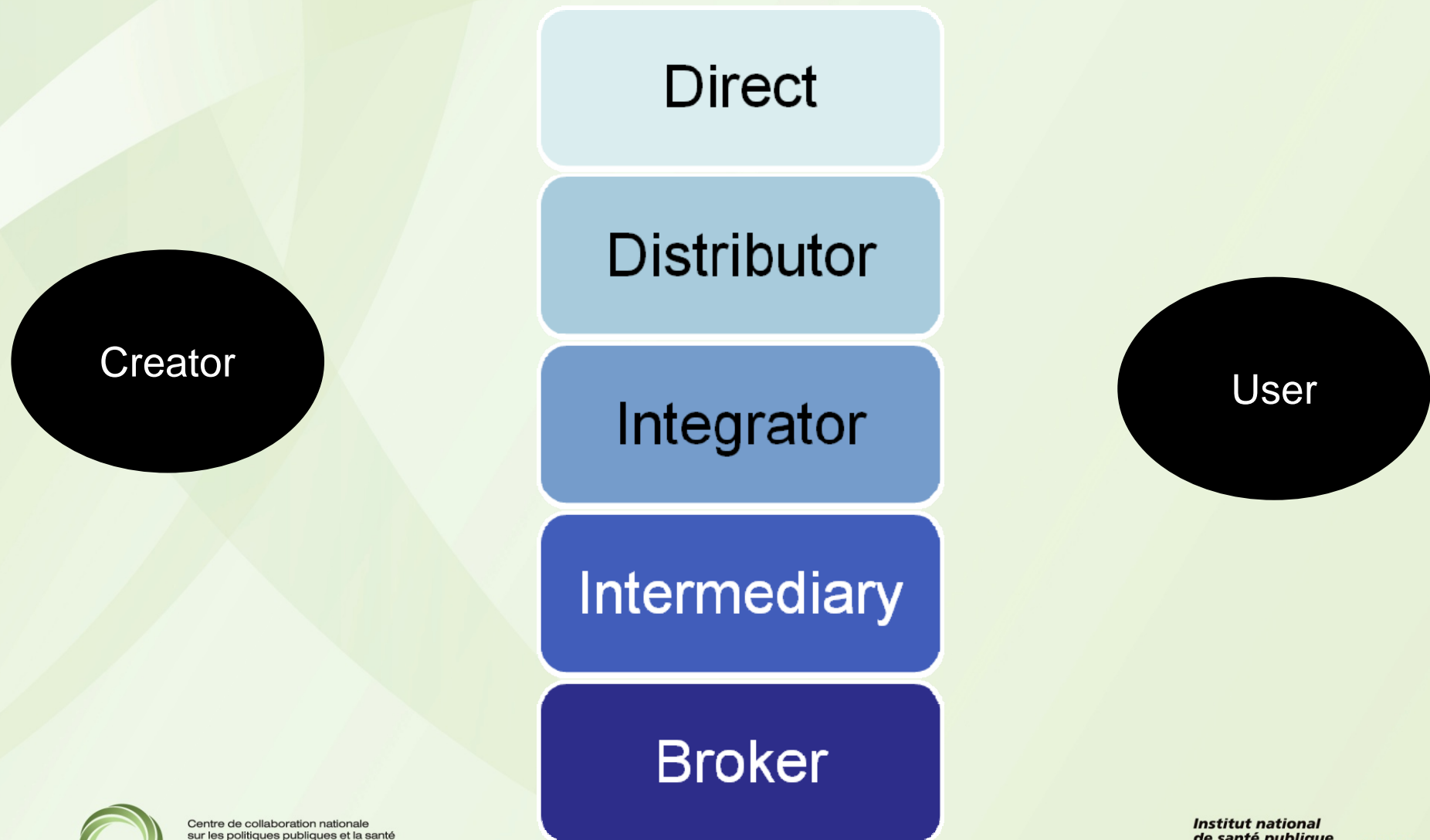
- ***Knowledge management*** (facilitating creation, diffusion and use of knowledge)
- ***Linkage and exchange*** (brokering the relationship between ‘creators’ and ‘users’)
- ***Capacity building*** (improving capacity to interpret and use evidence – and to produce more accessible analytical reports)” (Nutley 2009: slide 16)





# Interfacing

(Oldham & McLean, 1997)



# National Collaborating Centre for Healthy Public Policy

- **Objective**

- To increase expertise of public health actors across Canada in healthy public policy
  - Through the development, sharing and use of knowledge

- **Focus**

- Public policies and their impact on health
  - E.g. housing, transportation, food, education, social welfare, taxation, etc.
  - At various levels of government (or authority)
  - Policies other than health services
- Public policy processes
- Methods



# National Collaborating Centre for Healthy Public Policy

## Bridge

- Acting as bridge between research and users
- Acting as a bridge between different disciplines and the needs of public health actors.



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# Mission

To be the “bridge”



A photograph of a bridge at sunset. The bridge's dark, silhouetted truss structure is prominent against a bright, orange-hued sky. The sun is low on the horizon, creating a strong glow. The water below is dark, with a small, distant boat visible. A semi-transparent grey box with a fine dot pattern is positioned in the lower right, containing white text.

Or:  
Mission  
To be a beacon



# Object, subject, project

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Public  
Policy

Public Health  
actors

Healthy  
public policy





# Topics 2010-2011

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- Impact
  - Health impact assessment
  - Health inequality
  - Built environment
- Methods
  - Public policy
  - Economic analysis
  - Deliberative processes
  - Ethical analysis
- Intersectoral actors and mechanisms
  - Whole of government
  - Community organizations
- Public policy processes and influence
  - Public policy
  - Knowledge sharing
  - Advocacy







# Our activities

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## Activities

- Documenting (experiences, tools)
- Summarizing (relevant literature)
- Developing (training component)
- Presenting (workshops/conferences)
- Disseminating (Documents, tools, experience)
- Mapping and interacting with networks

(To disseminate and inform our product development)



# Health impact assessment (HIA)

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- Conference-Workshop
- Local and regional projects
- Situating HIA and environmental impact assessment
- Aboriginal health impact assessment
- Training



# An example

## HIA workshop Provinces/Territories

- Why
  - Technical meeting
  - With actors (provinces/territories, GEPPS, PHAC)
  - Needs assessment
- Output
  - Mapping
  - Summary
- Outcome
  - Informal network





# An example: Multimedia

- Will be on the web
- As a stand alone CD



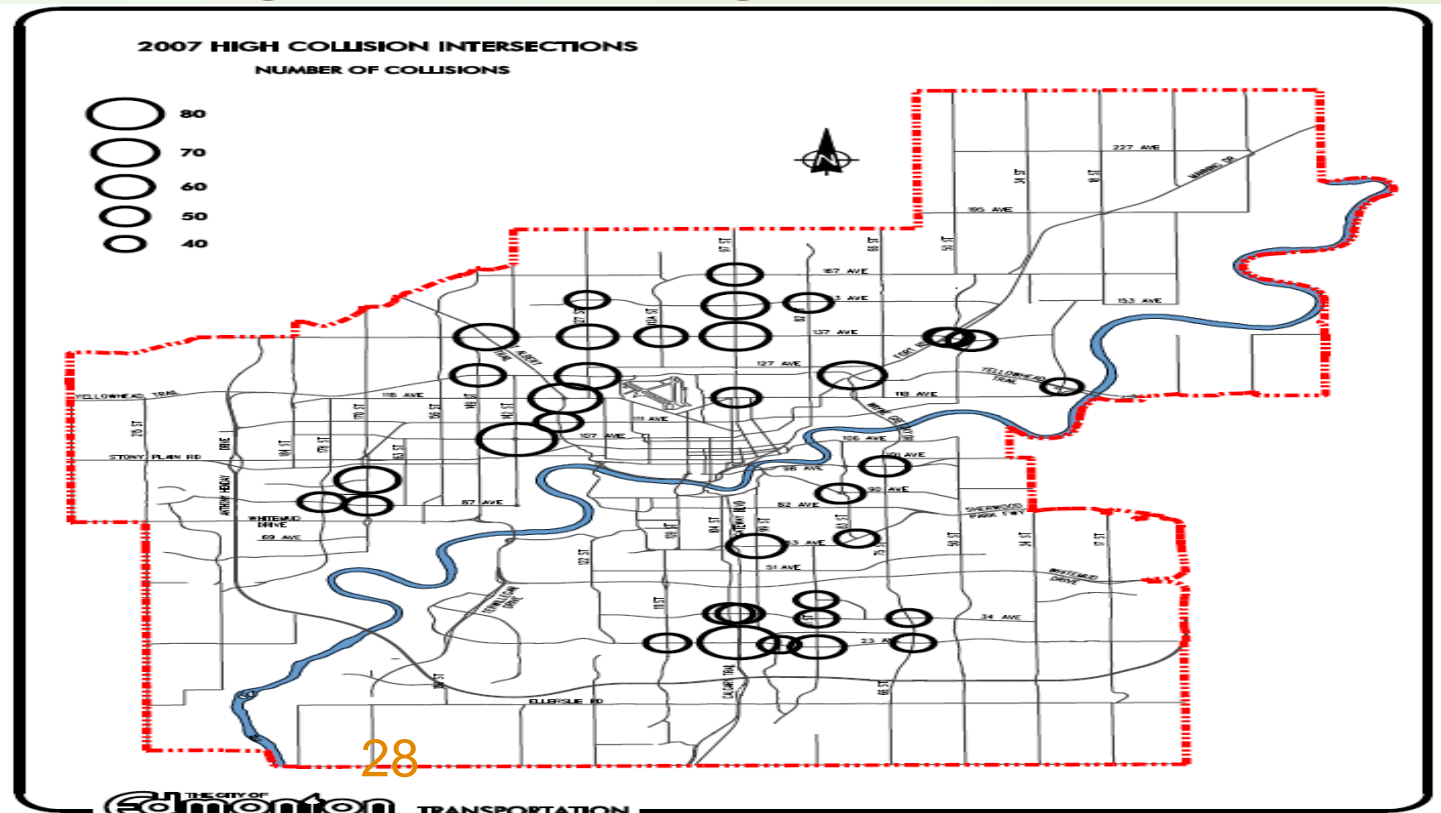
The screenshot displays a multimedia presentation interface. The main video player shows a woman speaking at a podium, with a presentation slide in the background that reads "Introduction to Health Impact Assessment", "Toronto Public Health", and "11 April". Below the video, a subtitle reads "Ici, on voit une autre partie de la vidéo". The video progress bar shows a time of 32:46. To the right of the video player is a sidebar menu with the following sections:

- VIDEO**
  - Overview:
    - Rapid prospective HIA and healthy public policy
    - Different procedures for HIA.
    - Challenges of an 'evidence based' approach.
    - Challenges for participative methods.
  - Durham University logo
- SLIDES**
- DOCUMENTS**
- LINKS**

At the bottom of the interface, there are logos for the "Centre de collaboration sur les politiques publiques" and "National Collaborating Centre for Healthy Public Policy" on the left, and the "Institut national de santé publique Québec" on the right. The bottom status bar shows "Terminé", "Internet", and "100%" zoom.

# Built Environment

- Synthesis
- Reflective piece on influence
- Workshop to integrate strategies



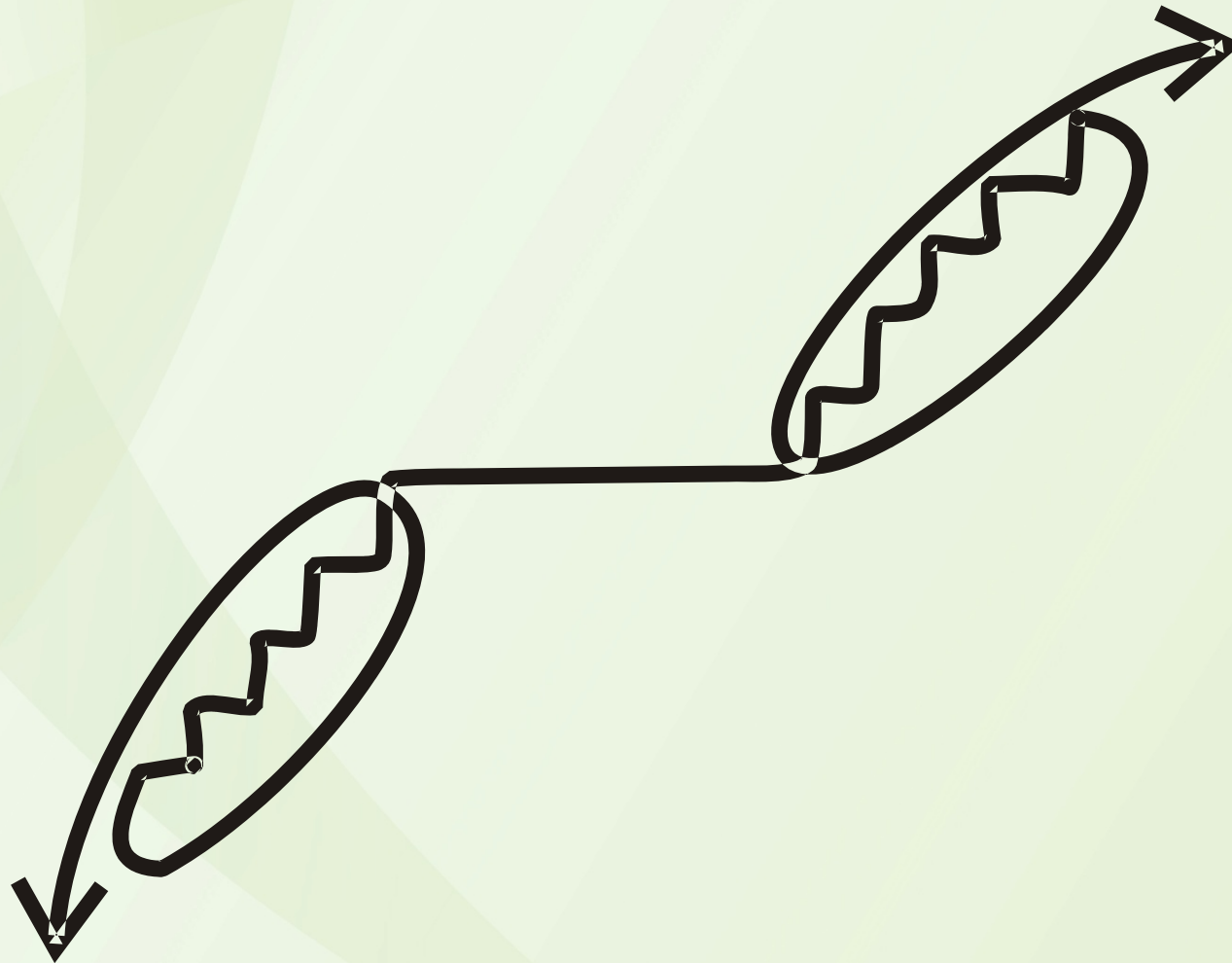
# Health Inequalities

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- Policy interventions inventory
- Poverty reduction strategies
- Scan of DOH awareness/attitudes in the media
- School readiness as a healthy public policy
- The escalator metaphor to discuss poverty



# Escalator metaphor



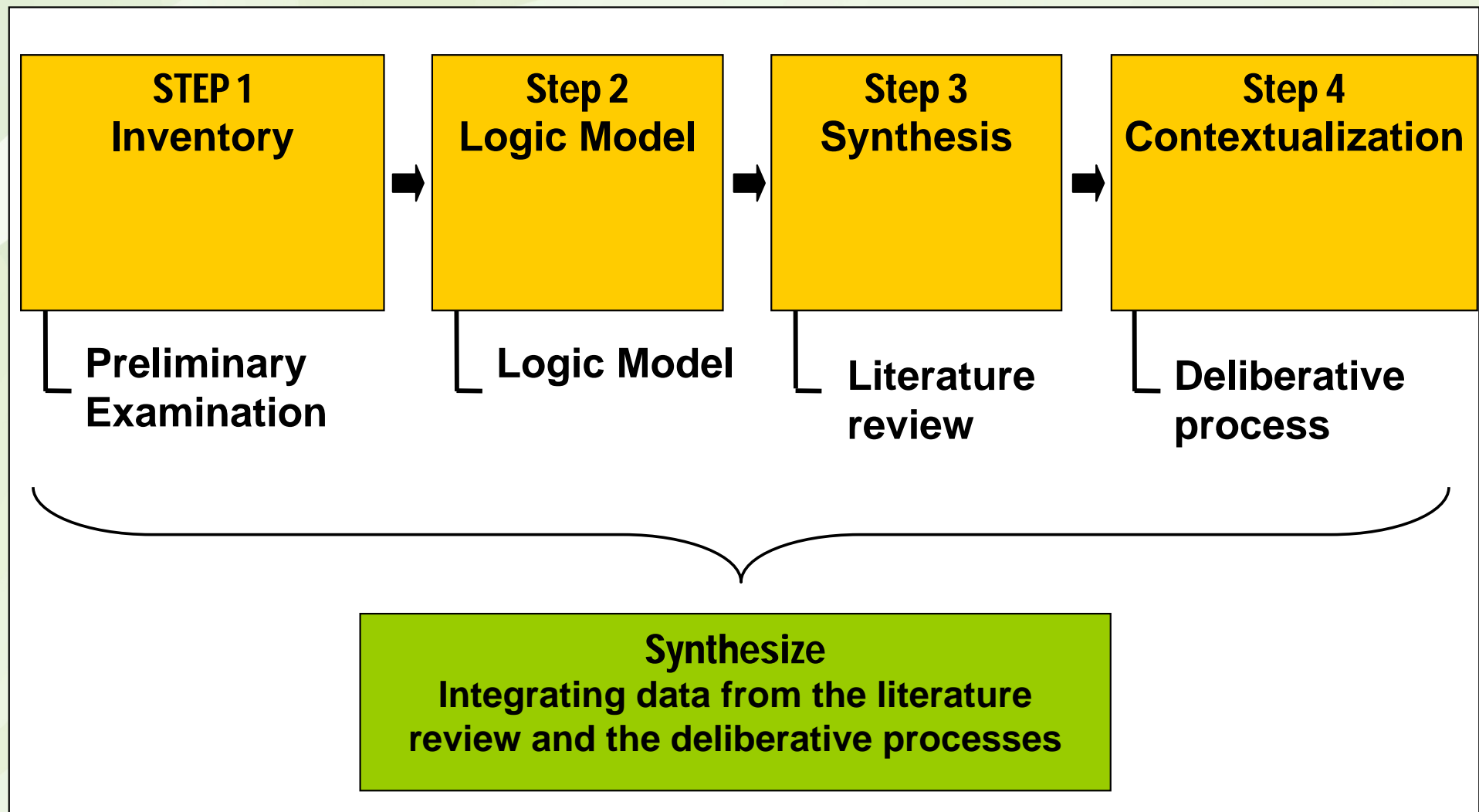
# Methods and processes

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- Healthy public policy analysis methodology
- Economic analysis of healthy public policy processes
- Deliberative processes
- Public health ethics



# Public Policy Methodology





# Multisectoral

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- Documenting intersectoral collaboration
  - RICS, Manitoba, BC ActNow
  - Workshop on intersectoral collaborations: conceptualization and implementation
- Community organizations
  - Workshop as a means of transfer
  - Workshop to elicit localized tools



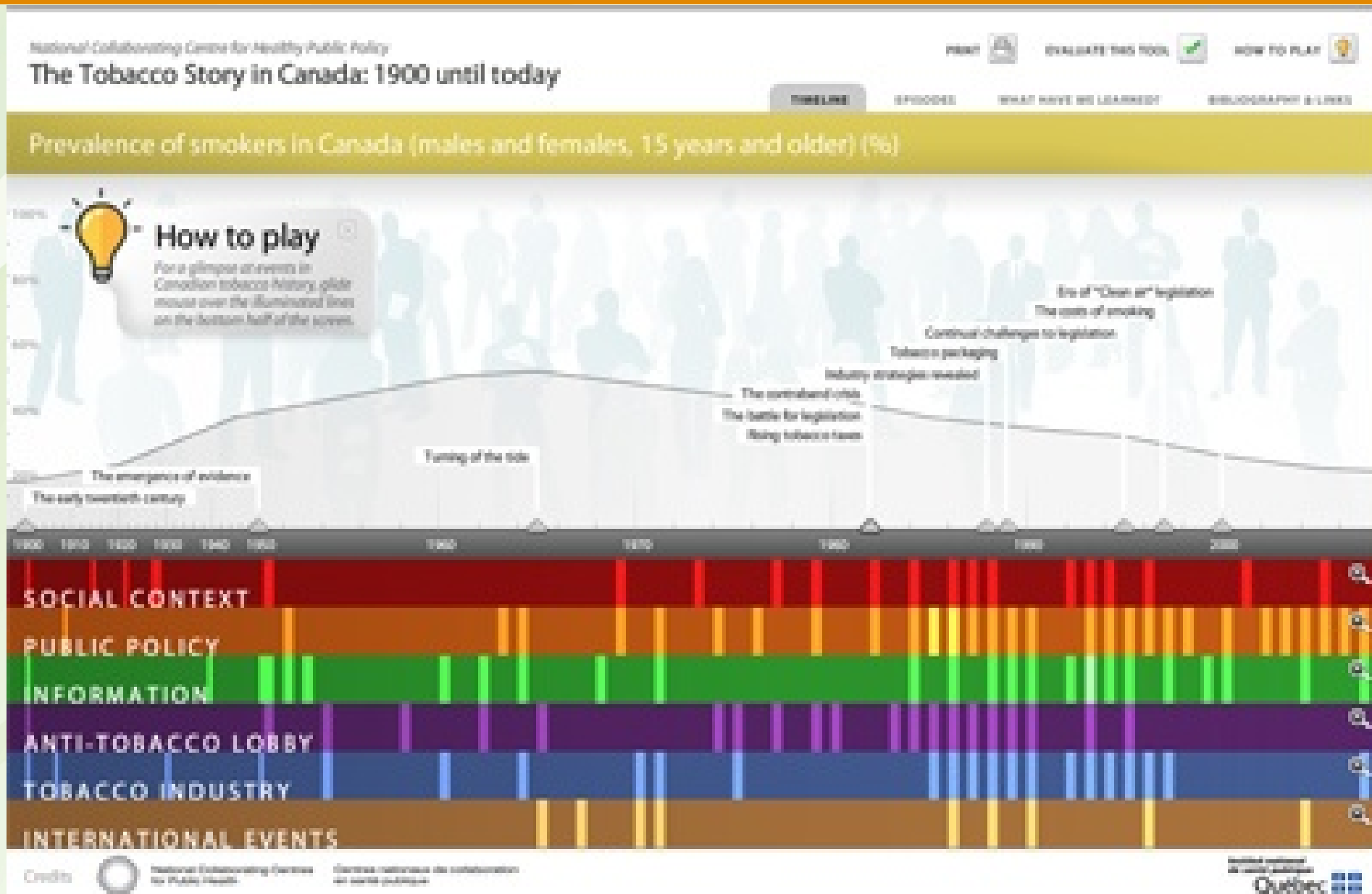
# Policy Tools

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- Understanding the policy process
- Knowledge and influence on the policy process
- Advocacy from the public health perspective
- Policy and complex systems with “wicked” issues.



# Illustrate concept



# Classify and identify

**Structural Profile of Public Health in Canada**

Province/Territories													
	NFLD/LAB	P.E.I.	NS	NB	QC	ON	MB	SK	AB	BC	YK	NWT	NU
Provincial (Ministry PM)	Ministry of Health and Community Services	Ministry of Health	Ministry of Health Promotion and Protection (HPP); Ministry of Health	Ministry of Health and Wellness; Ministry of Culture and Sport	Ministry of Health and Social Services	Ministry of Health and Long-Term Care; Ministry of Health Promotion; Ministry of Children and Youth Services	Ministry of Health and Ministry of Healthy Living	Department of Health	Ministry of Health and Wellness	Ministry of Health Services; Ministry of Healthy Living and Sport	Ministry of Health and Social Services	Ministry of Health and Social Services	Department of Health and Social Services
Regional Health Authorities (RHAs)	4 Regional Integrated Health Authorities (RIHAs)	RHAs abolished in 2005	9 District Health Authorities (DHAs)	8 Regional Health Authorities (RHAs)	18 Health and Social Services Agencies; 95 Health and Social Services Centres	36 Health Units or Boards of Health	11 Regional Health Authorities	12 Regional Health Authorities	Abolished in 2008	5 Regional Health Authorities and one Provincial Health Services Authority	None 13 Regional Health Centres/Treatment Centres	8 Regional Health and Social Services Authorities	Unknown



# Introductions and status of HIA initiatives across Canada

The participants were invited to comment on the status of HIA initiatives in their respective province / territory



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# Sharing content

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- Accessible
- Usable
- Useful





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