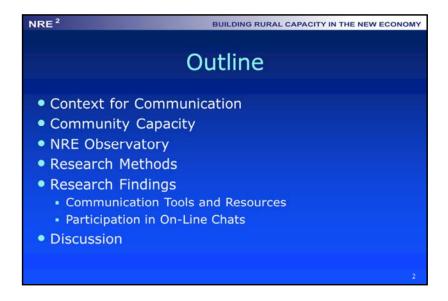


Purpose:

- •Set the context and background for the presentations to follow
- •Provide overview of the evolution of NRE with an emphasis major learnings thus far, and how NRE2 is structured.

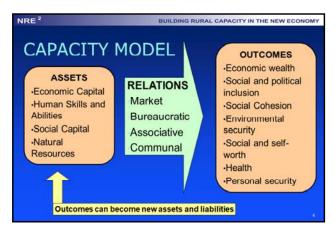
General acknowledgements:

- •All presentations are collaborative in nature, and have benefited from efforts of all the members of the research network
- •Funding from many sources over the years has made our work possible, especially that of SSHRC and the Rural Secretariat, and others including Health Canada and Statistics Canada



Context for Communication
 Metaphors: Web, oil, glue (Emke, 2002)
 Community Infomatics (Gurstein, 2001)

 Infrastructure to deliver pipeline
 Organization to install and manage the technology, provide training, programs, etc
 Ability to translate content to be locally relevant



(Re)vitalization occurs when capital and resources are (re)organized to produce desired outcomes. The ability of rural communities to do this in a successful fashion is what we refer to as the community's capacity.

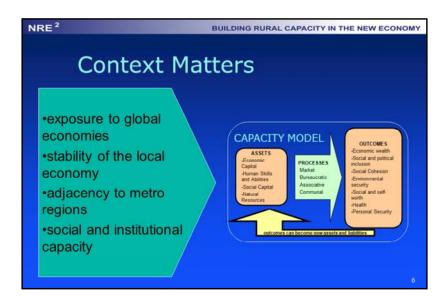
(S) Assets

- •Multiple types: we have identified some of the major groupings, but there may be many other classifications
 - •In Cap-à-l'aigle example:
 - •Economic capital from local businesses and government
 - •Human capital from experienced persons
 - ·Social capital from municipal counsel, lilac club, government programs and bureaucracy
 - •Natural resources: climate and environment
 - •Must move beyond a focus on single asset groups (e.g. agriculture, fishing, forestry, mining, tourism, etc.)
 - •See how they inter-relate
- ·Social capital is under-valued
 - •It can enhance the quality and usefulness of the other types of assets
 - •Investment in social capital can improve or modify those other types to make them more useful
- •(S) Types of relations by which (re)organization of assets takes place
 - •Multiple types of relations
 - ·Basically social: People getting together to identify/recognize assets and take action to reorganize them into outputs
 - •Done in many different ways
 - •We have classified them into 4 basic types to capture this diversity and provide a focus for thinking about the variety of strategic options for rural people and policy-makers
 - ·Cap-à-l'aigle:
 - •Lilac club = associative
 - •Municipal counsel, provincial gov't = bureaucratic
 - •Local businesses, community economic development = market
 - •We tend to fixate on one or the other, but all types can contribute to producing valued outcomes
 - •They do it in different ways
 - •Can reinforce each other
 - ·Can inhibit each other
- •(S) Outcomes:
 - ·As with assets, can be identified in various ways
 - •We have identified the types of outcomes that are particularly important for sustainable development
 - •Cap-à-l'aigle:
 - •Economic wealth: festival brings people to town many benefits for B&Bs, local businesses
 - •Social and self-worth community is proud of its achievements
 - Social cohesion have proved their ability to achieve something together, learned how to do it in the process
 - •Particular attention to social cohesion since this is a feature about which we have expertise, it is under-researched in the rural context, and it plays a key role in local community development
- •(S) Feedback
 - •The outcomes can become new assets and liabilities
 - ·Cap-à-l'aigle:
 - •Creates new economic capital: renovations, businesses
 - •Increases human capital: learning new skills
 - •Social cohesion reinforces and expands base of social capital: new groups formed to manage festival, strengthens legitimation of lilac club and interested parties
 - •It can also become a liability
 - •'Us' and 'them' mentality between community and tourists
 - ·Economic objectives for lilacs conflict with original hobby interests
- •Our focus for this model:
 - •How can it help us to understand the processes involved in building capacity?
 - •What does it suggest for strategies relating to the building of capacity?
- •We have identified the social relations as a key element to answering these questions
 - •The identification and re-organization of these assets relies on multiple types of social relations (cf. next slide)



There are many different ways in which the organization of assets takes place

- •This insight arises from our recognition that capacity is based in social relations (Facilitate/represent people working together)
- Social relations are organized in different ways
 - •Expectations, norms, institutions, rights, obligations are all different and integrated
- •Each is supported and enforceable by socially recognized institutions (norms, entitlements, laws)
 - •(S) Market relations (e.g. commerce, labour markets, housing markets, trade)
 - Based on supply & demand, contracts
 - •Supported and controlled by trade agreements, competition legislation, labour law, better business bureau, and the courts
 - •(S) Bureaucratic relations (e.g. government, corporations, law, formal organizations)
 - •Based on rationalized roles, authority and status, generalized principles
 - Controlled by legislation, corporate law
 - •Different than market-based: market negotiations focus on costs and benefits, bureaucracies on regulations, roles, and entitlements
 - •(S) Associative relations (e.g. baseball, bridge clubs, environmental groups, meals on wheels)
 - Based on shared interest
 - •Controlled by civil law, municipal by-laws, social norms, and informal sanctions
 - •Different than market and bureaucratic: e.g. 'I will be happy to help at the dance, but I don't want to sit on committees.'
 - •(S) Communal relations (e.g. families, friendship networks, gangs, cultural groups)
 - •Based on family, reciprocity, favours, common identity
 - •Controlled by informal norms, legislation, family law, and government support agencies
- •The systems by which they are organized can reinforce or conflict with one another.
 - •Conflict: Associative and Bureaucratic relations:
 - •Bureaucratic require competition for resources and accountability in their use.
 - •Associative require commitment to the shared interests of the group (don't mix well with private entrepreneurs)
 - •Partnerships between bureaucracies and volunteer groups are therefore problematic
 - •Bureaucracies require accountability; voluntary groups require high shared interest in the goals
 - Accountability requirements of bureaucracies divert people from their shared interests and
 - •Associative suffer stress from lack of finances and membership burnout
 - •'I will be glad to coach, but I don't want to sit on any committees'



- Capacity processes are attractive foci because they are:
 - •Manageable at the community and regional levels
 - •Have important implications for key outcomes (will provide illustrations of this later)
- •But:
 - •Severe constraints and effects operate on the local ability to build and act on their capacity
- •This is the reason why our research was structured within the NRE Sampling Frame
 - Distinguishes our approach from a simple assets-based economic development one (ABCD)
- Originally, compared two outcomes (OECD inspired):
 - ·Leading: on income, employment, housing characteristics
 - Lagging on those same characteristics
- •Four major contextual features that were proposed to condition local processes and have impacts on those outcomes
 - Extent of exposure to global economy
 - •Affects local vulnerability to economic processes outside the local situation
 - •Reflected in trade by industry at CD levels
 - •Have now updated using more specific trade information
 - Stability of the local economy
 - •Unstable economy makes it much more difficult to anticipate the future and plan
 - •Also originally based on industry employment at CD levels
 - •Now: have updated it using trend figures from 1993 to 2001
 - Adjacency to urban centres
 - •Access to markets in goods, services, labour, and housing significantly affected by nearby centres
 - •Reduces transaction costs
 - •Original CD-level classification (Beale codes) updated to distance to nearest centre of 100,000 or more
 - Social and institutional capacity
 - •Having services and institutions provides an important infrastructure for attracting and maintaining populations
 - ·Have refined our understanding of this:
 - •Now understand it to include social capital and capacity
- •Using these 5 dimensions, we constructed a sample frame for the selection of field sites for intensive analysis and collaboration.

NRE²

BUILDING RURAL CAPACITY IN THE NEW ECONOMY

Leading and Lagging

- Sites distinguished into leading and lagging status on the basis of several socio-economic indexes
 - **Employment** (employment rate, participation rate)
 - Housing (% of HH gross rent is >= to 30% of HH income, % of dwellings owned)
 - **Income** (median household income, % of households below the low income cutoff)
- Reimer, Bill, "A Sample Frame for Rural Canada: Design and Evaluation", Regional Studies, 36:8, 845-859, 2002.

7

High and Low Capacity

Sites distinguished into and high and low capacity status on the basis of several socio-economic indexes

Employment (self-employment rate, workforce in high paying jobs)

Housing (avg value of dwellings)

Income (1991 family incomes more than \$50,000)

Education (post-secondary)

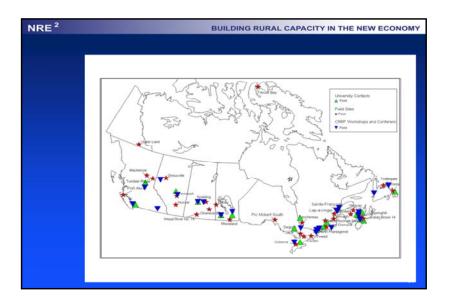
Industries (transportation, storage, utilities, communications)

Reimer, Bill, "A Sample Frame for Rural Canada: Design and Evaluation", Regional Studies, 36:8, 845-859, 2002.

	The	NRE	Sam	ple F	rame		
			High C	apacity	Low Ca	pacity	
			Lead	Lag	Lead	Lag	
Global Exposed	Fluctu- ating	Adjac.	175	27	46	15	
		Distant	251	13	124	44	
	Stable	Adjac.	4	26	8	19	
		Distant	5	16	18	30	
Local Exposed	75.77.75.9	Fluctu-	Adjac.	4	5	4	9
	ating	Distant	12	16	5	13	
	Stable	Adjac.	12	100	7	45	
		Distant	15	99	16	56	

The Distribution of CSDs by the 32 types of cells

- Sample procedure
 - •Identify all rural CSDs using available information
 - •Randomly selected one site from each cell
- •Took it to our regional partners and discussed:
 - •the accuracy of the classification from the basis of their knowledge
 - •existing research activities related to the selected sites
 - •strategic opportunities arising from the selection
 - •If changes were warranted
 - •make substitutions from within the same cell
 - •This serves as the basis for our 'Rural Observatory'
- •NOTE: The diversity of rural Canada
 - •706 Leading CSDs
 - •533 Lagging CSDs
 - •Index based on National standards yet makes clear that not all of rural Canada is in decline



- •Universities represented
- •32 field sites chosen (5 dimensions of comparison)
- •Workshops and conferences
- •Invitation to work with us
- •How does this framework help us understand the problems associated with exclusion?
- •I will explore this question by focusing on the changes occurring in rural context (Canada specifically)
 - •In what ways have these changes contributed to new forms of exclusion?
 - •What are some of the strategies available for mitigating or overcoming these new forms of exclusion?

Communications Inventory

Unne - July 2003
Internet service provision and access
Internet service provision and access
Unblic Internet access (CAP sites) and usage
Local, regional, provincial and national newspapers
Community newsletters
Community bulletin boards
Interpersonal communication (gathering places, events, meetings)

Cable television and community programming
Direct broadcast satellite
Community websites
Community websites
Community radio
Community identifiers (symbols, slogans)

Technology-Mediated Learning

• 22 sites

• Participants in 9 key topic areas (identified in earlier components of the research)

• Facilitated, on-line learning "chats" or seminars using a free Internet chat-room

• Participant assessments and evaluations

• Chat transcripts (17) and messages

NRE ²		BUILDING	RURAL CAPACI	TY IN THE NE	W ECONOMY			
Internet Access								
N=22	Total	Leading	Lagging	High Cap	Low Cap			
Avg # ISP's per site	2	3	2	3	1			
% with Broadband	45	56	38	47	43			
% with DSL	36	44	31	27	57			
% with CAP site	82	78	85	100	43			
					13			

Newspap	ers a	ind Ne	ewslet	ters	;
N=22	Total	Leading	Lagging	High Cap	Low Cap
% with Local Paper	27	44	15	33	14
% with Regional Paper	96	89	100	93	100
% with Newsletter	68	56	68	73	57
% with Other Newsletter	27	22	31	13	57

NRE ²	Bu	ILDING RURAL	CAPACITY IN	THE NEW I	ECONOMY			
Bulletin Boards								
N=22	Total	Leading	Lagging	High Cap	Low Cap			
# of Bulletin Boards	6	5	7	7	6			
# of Event Postings	35	23	43	32	42			
# of Business Postings	29	16	37	28	32			
# of Informal Economy Postings	24	23	26	25	21			
					15			

N=22	Total	Leading	Lagging	High Cap	Low Cap
# Informal Gathering Spaces	3	3	3	4	2
# Community Halls for Meetings	4	2	5	4	3
# Annual Events	6	6	7	5	9

NRE ²	BUILDING RURAL CAPACITY IN THE NEW ECONOMY				
	Participa	nts			
N=26	Number	Percent			
Male	7	27			
Female	19	73			
35-54	16	62			
55-64	10	38			
Leading	9	35			
Lagging	17	65			
High Cap	18	69			
Low Cap	8	31			

NRE ²	В	UILDING RURA	L CAPACITY IN	THE NEW	ECONOMY			
Experience and Reaction								
N=26	Total	Leading	Lagging	High Cap	Low Cap			
Chat room Tech Useful	54	33	61	61	38			
Content Useful	54	33	61	55	50			
Might Apply in Other Uses	27	33	22	17	50			
Will Participate Again	89	78	89	89	88			
					18			

The Content – 17 Chats

Using the technology in other settings - 4
Using the ideas from the discussion - 6
Networking with others after the chat - 8
Usefulness of the discussion - 7
Sharing ideas & knowledge in the chats - 13

NRE 2

BUILDING RURAL CAPACITY IN THE NEW ECONOMY

Communication as Web

- Leading and High Capacity sites have slightly larger webs
- Different web elements are more important in some types of places
 - Bulletin boards for businesses to advertise in lagging sites (because they lack other tools)
- Low Capacity sites people see potential value in using chat room technology to overcome distance barriers, limited face-to-face networking opportunities

20

Communication as Oil

Local papers in Leading and High Capacity Sites

Newsletters in Lagging and High Capacity Sites

Community halls in Lagging Sites



Community Infomatics

Limited evidence of this
Broadband lacking (but coming!)
Most have CAP sites (but are they working well?)
Perceived / planned use of chat room content in local settings is limited

Capacity Building Evidence?

Modest new forms of social capital (networks built thru chat rooms)

Modest new forms of human capital (chat room is a new use for some)

Lots of potential but limited application of IT for community to learn / facilitate rural development

Further research: function of CAP, content of websites, content of local papers, addition technology-mediated learning, assessment of communication practices