

Making Sense of Smart Communities

A review of current research on Smart Communities

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Internationally

- Growing plethora of “smart” initiatives
 - linked to rise of Internet usage
- Variety of directions & attributes
 - distinctions between smart growth & smart sites
- Early results from “pilots” emerging
 - opportunities to share experiences



Domestically

- Challenges for Canadian locales:
 - Cities of different size and scope
 - Dispersed leadership & varying levels of political interest & support
 - Federal / provincial / local disconnect
 - Fixations: formerly “service delivery” - now “security”

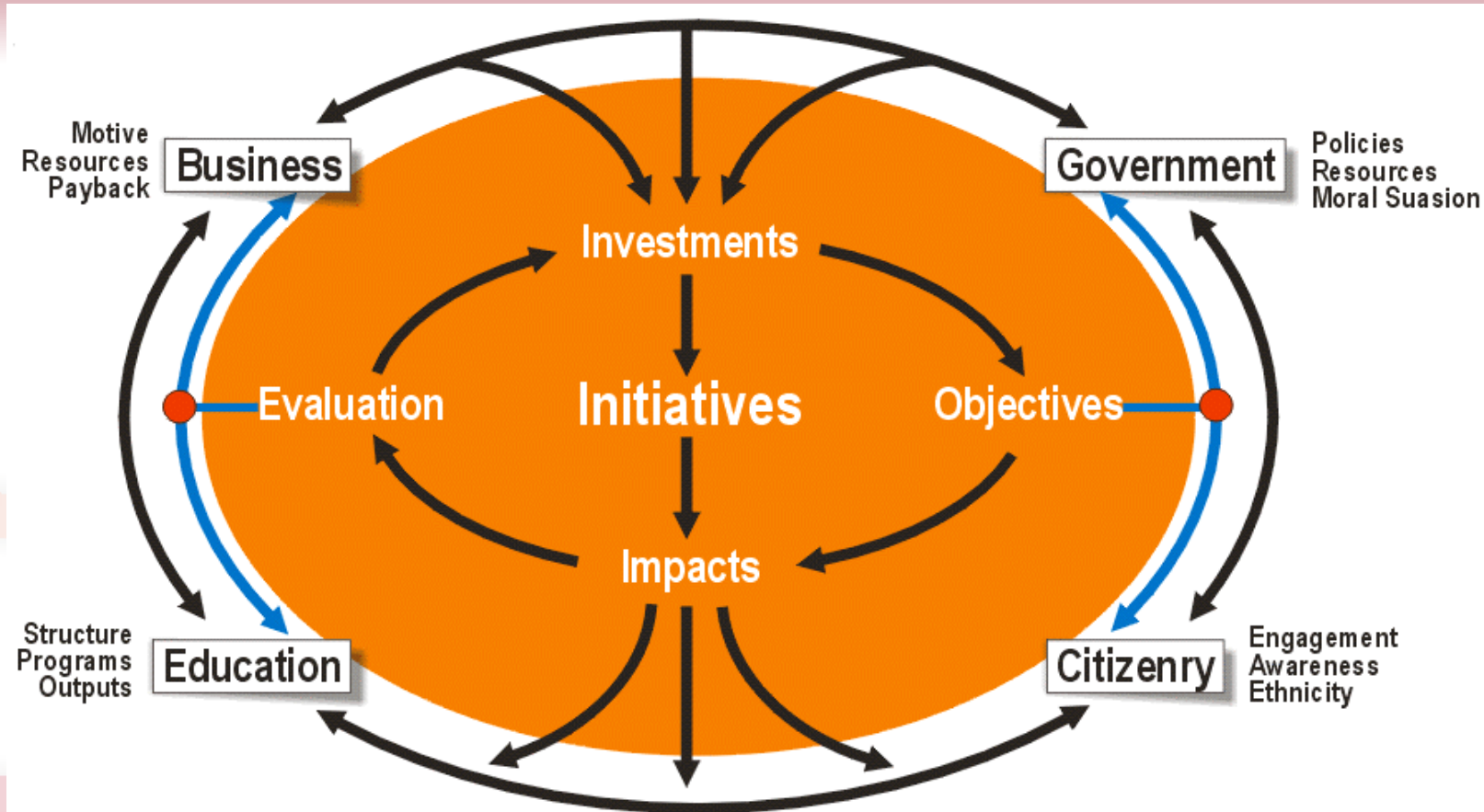


Domestically

- Key Shifts (required):
 - From connectivity (*infrastructure*) to content and coordination (*governance*)
 - From information flows to knowledge systems
 - From *competitive advantage* to *learning advantage*



A Framework for Collective Intelligence



● Critical need for synergy-building & strategic partnerships

Ottawa's Smart Community

- SmartCapital
- Industry Canada's Smart Community Demonstration Program *PLUS*



Sm@rtCapital's Mission

To build the Most Connected City in the World

Three Infrastructure Elements

**Online
Services**

**Wired
Infrastructure**

**Public
Access**



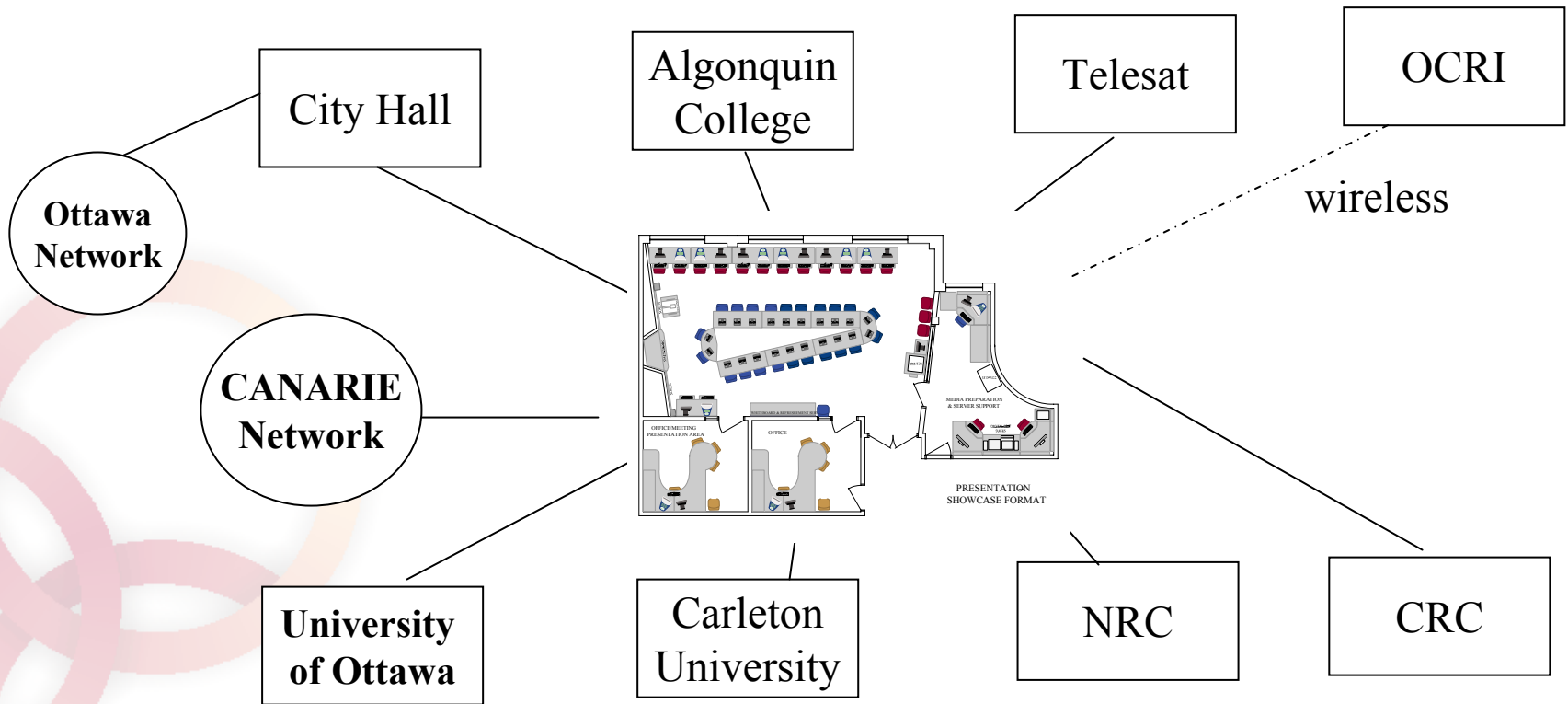
Sm@rtCapital's Online Services

<i>E-Government</i>	City of Ottawa information, transactions, e democracy
<i>Business</i>	Ottawa Marketplace, Entrepreneurship Centre, Ottawa Digital Media
<i>Education</i>	E-College, EduNET, School Link, Leadership Online
<i>Community</i>	Smart Library, Smart Community Services, National Capital FreeNet



SmartLabs – Demonstrating new & advanced applications & technologies:

Fibre Connected except for OCRI

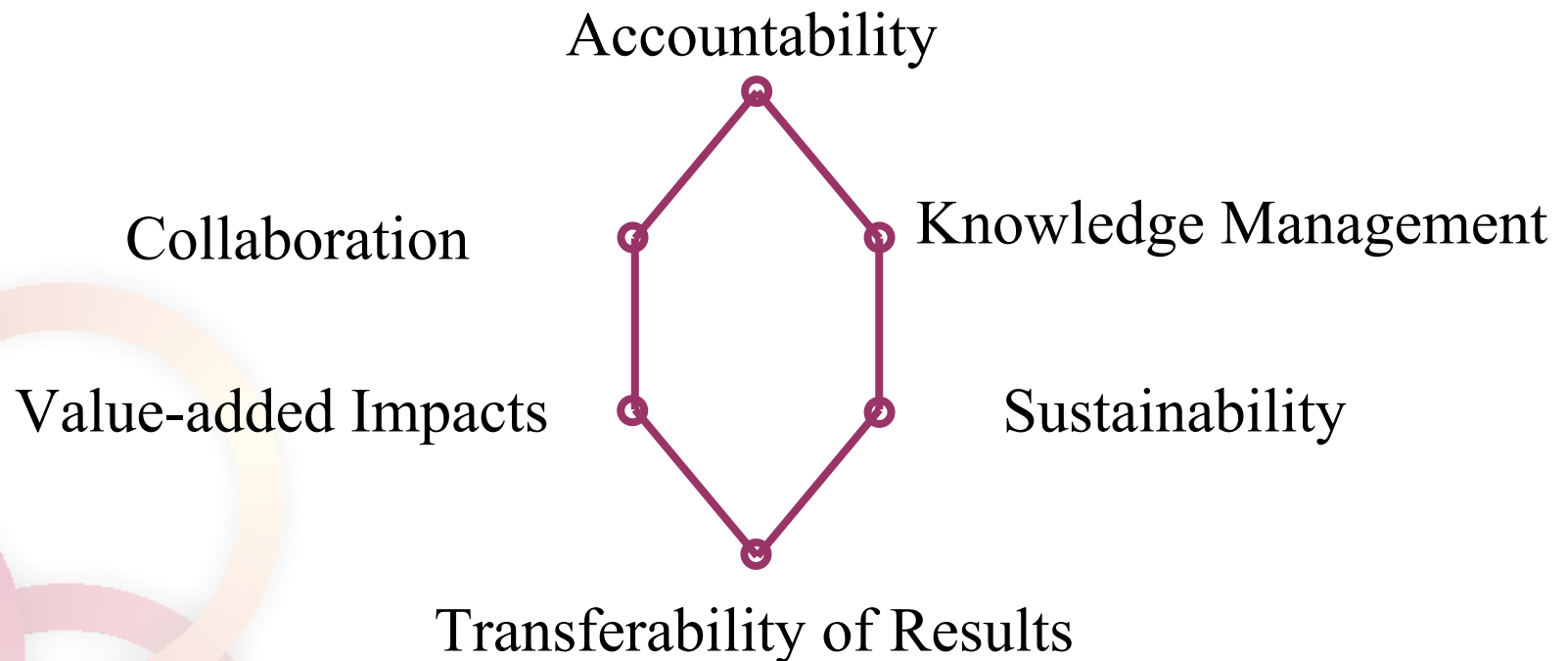


Community Internet Access

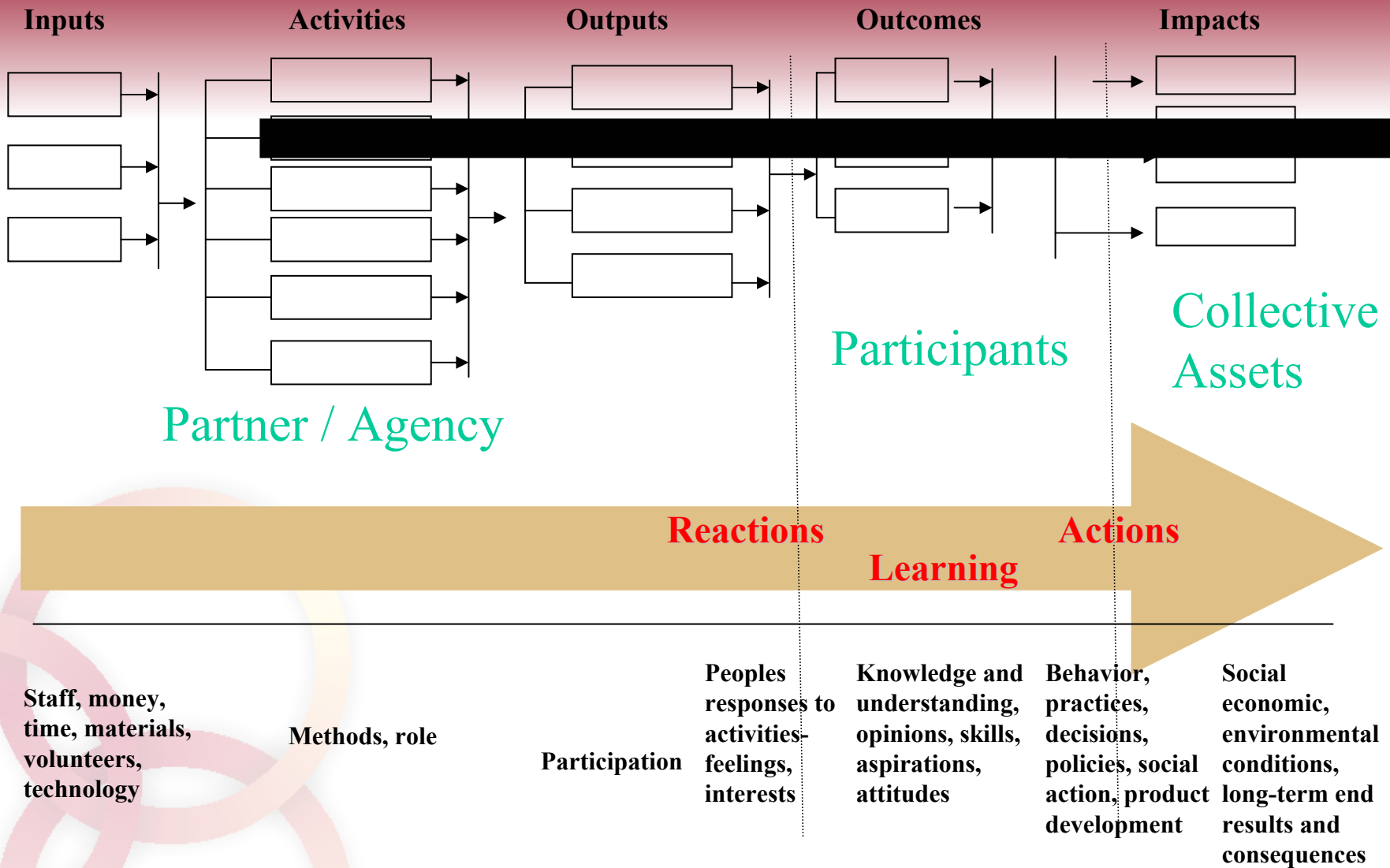
- Building and supporting 150 Sm@rtSites
 - Located in libraries, schools, government & community centres
 - Volunteer program
 - Technical support
 - Training
 - Marketing
- ORAN (ISP's, City, CANARIE, ORION)
- ORCnet



Sm@rtCaptial Governance



Evaluating Sm@rtCapital



Current Observations

- Local readiness
 - networks, partnerships & experience
- Trust
 - frequent presence
 - trusted advisor
- Inevitable bottom up
- Communication (lateral & vertical)



Current Observations

- Service delivery or community experiment
 - flexible schedules & outputs
 - focus on outcomes
- To everything there is a season
 - a right time for everything



Smart Cities Collaboratory

- Need for basic research
- Three directions for research & application:
 - Examining the changing shape of regional & local governance capacities
 - *Are roles changing?*
 - Develop the social technologies for collaboration
 - *Are the new forums sustainable?*
 - Foster mechanisms for collective intelligence
 - *Is collective decision making improving?*



Smart Cities Collaboratory

- Four inter-related areas of research:
 - **Private** - clusters and cultures of firms & economic growth
 - **Public** - models of service delivery & democratic engagement
 - **Civic** - drivers and determinants of collaboration and inclusion
 - **Education** - life long learning (K-Ph.D.+)
- Invitation



Thank You

International Smart City Collaboratory

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