Comprehensive Resource and Information Management System for Indigenous Nations

CRIMSIN©

an Accountability Tool for Self-Governing Nations

First Nations Measuring Investment in

Community Wellness

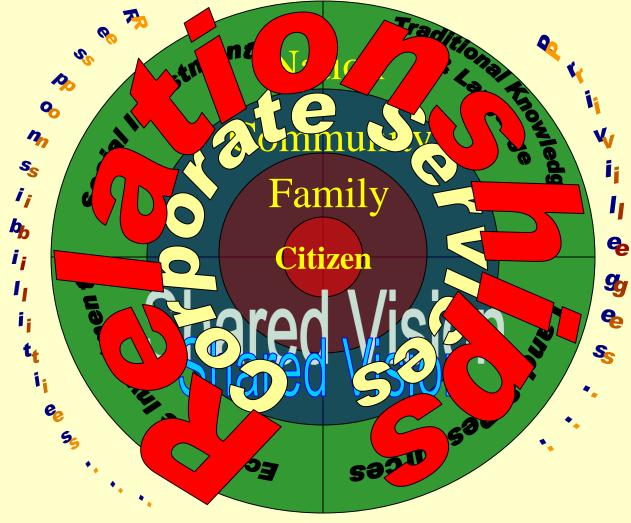Gwen Phillips, Ktunaxa Nation

Context: the Current Environment

- Most First Nations have over 40 years experience *managing* programs on behalf of federal and provincial government departments/agencies, with limited capacity to address actual need, or measure outcomes.

- At any given time, First Nations are delivering services from up to *20 different agencies*, each with different reporting requirements, data systems and specific program outcomes, creating an unbearable administrative burden.

- Resources from government tend to be program-driven with a focus on external accountability, whereas First Nations' services tend to be family-oriented and holistic with *accountability to community wellness a priority*.

- *Self-government* is an objective for many First Nations.

Gwen Phillips, Ktunaxa Nation

Self-Governance

Nation

Community

Family

Citizen

Shared Vision

Relationships

Corporate Services

Traditional Knowledge

Traditional Values & Principles

Gwen Phillips, Ktunaxa Nation

The Shared Vision

We have, as First Nations, a desire to work together to explore solutions to our common challenges. We wish to work in partnership with others who share our vision…

Healthy, self-determining and vibrant BC First Nations children, families and communities.

First Nations Health Council Vision
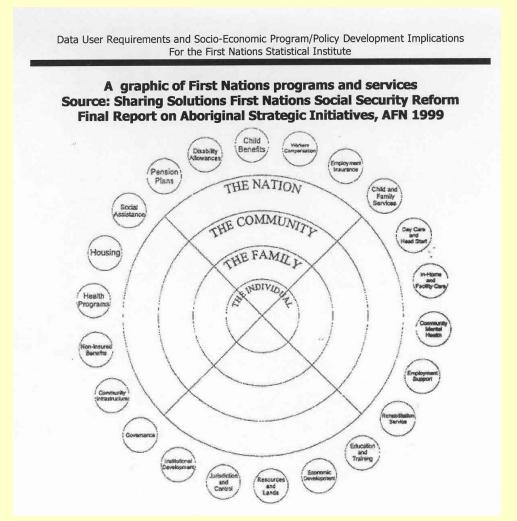
Gwen Phillips, Ktunaxa Nation

Common Interests...

◈ Reduce current reporting burden on First Nations and improve compliance with reporting requirements.

◈ Coordinate/integrate programs, services and resources from all levels of government to maximize benefit and improve outcomes.

◈ Consolidate data for greater administrative efficiency and better informed planning.

◈ Conduct quantitative and qualitative analysis of investment using growth/outcome indicators that are respectful of regional/cultural differences and unique individual (FASD) community needs.

◈ Collect aggregate data for analysis and reporting (FNSI, Budget/Treasury Board submissions).

Outcome: healthy, First Nations people, living in healthy, sustainable environments.

Gwen Phillips, Ktunaxa Nation

Common Interests
Strategic Investments…

Intergovernmental
Investment

Intergovernmental
Investment

Resource and Information Management System

Comprehensive First Nation Government

F e d e r a l
P r o v i n c i a l

G o v' t
G o v' t

Early Childhood Development, Education, Justice …

Environmental Health, Economic Development, Housing …

Social Development, Employment, Child & Family Services…

Gwen Phillips, Ktunaxa Nation

Investment in People and Places (not programs)

Data User Requirements and Socio-Economic Program/Policy Development Implications
For the First Nations Statistical Institute

**A graphic of First Nations programs and services
Source: Sharing Solutions First Nations Social Security Reform
Final Report on Aboriginal Strategic Initiatives, AFN 1999**

Gwen Phillips, Ktunaxa Nation

The (Information Management) Challenge

❑FN have too many ***proposals*** to write and ***contracts*** to manage, (with poor infrastructure).

❑Every First Nation has identified a ***different IM 'need***': land management, education, housing, social development, traditional knowledge, documents management…

❑Government has traditionally operated in ***'silos',*** planning, managing and reporting independently, however FN "traditionally" *manage horizontally*.

❑FN have unique needs (TKL); ***varying uses*** for data, internally and externally.

❑Varying levels of technology, expertise and ***capacity***.

❑There are too many ***different platforms*** and systems in use.

❑There are ***limited resources*** from any one source.

❑Ever ***changing environment***; emerging/declining programs.

❑Self-government; ***data ownership*** and privacy issues.
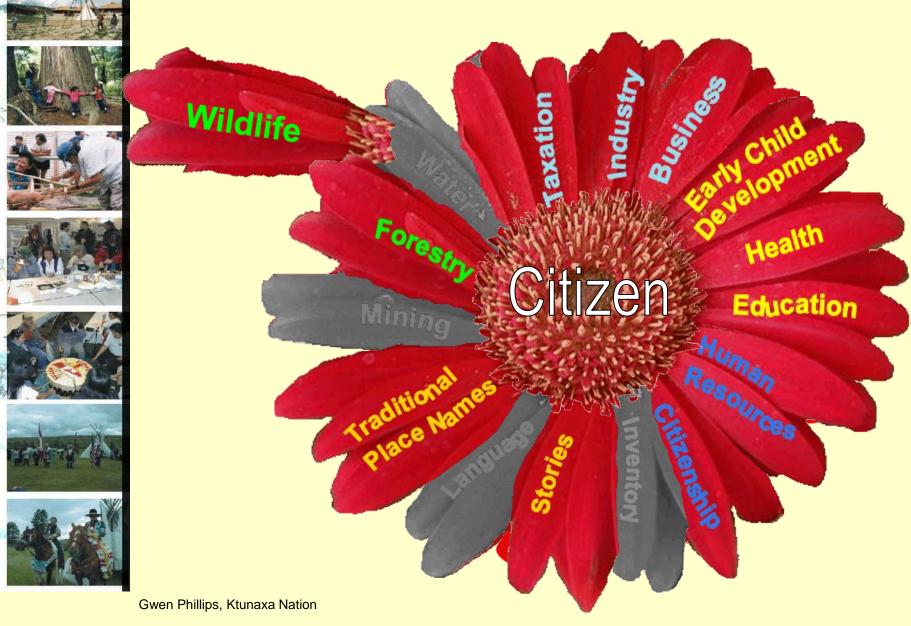
Gwen Phillips, Ktunaxa Nation
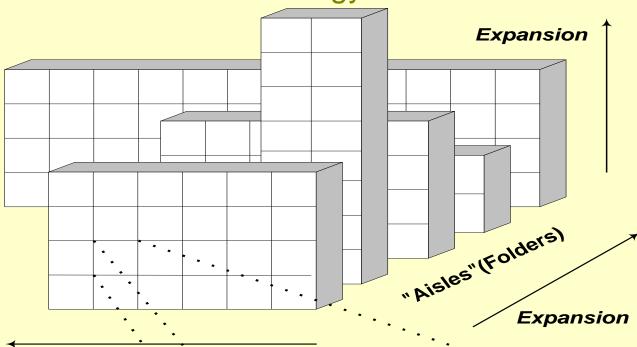
Information Management Solution: CRIMSIN

- Coordinate all types of data from all sources, internal and external (land related to people, related to culture, related to the economy).
- Develop an information management system that will 'speak' to existing data systems that are managed externally.
- Follow the philosophy of population health and holistic living; data integration.
- Flexible and dynamic.
- Fill gaps in existing data/information.
- Built in phases, with each data link represented as a petal; petals can 'shed' and 'grow' as needed.
- Prepare for self-government.
- Report on Outcomes; individual, family, community, Nation levels.

Gwen Phillips, Ktunaxa Nation

CRIMSIN

Wildlife · Taxation · Industry · Business · Early Child Development · Health · Education · Human Resources · Citizenship · Inventory · Stories · Language · Traditional Place Names · Mining · Forestry · Water · Citizen

Gwen Phillips, Ktunaxa Nation

Integration of Information
Data Storehouse –
An Analogy

Expansion

"Aisles" (Folders)

Expansion

Expansion

Three Values currently stored in this Data Item

Value	Effective Date	Expiration Date	Entry Date	Entered By	Unit of Measure	Source
Good	March 12 / 50	June 10 / 70	March 15 / 50	W. Jones	n/a	Survey
Fair	June 10 / 70	November 7 / 76	June 12/70	J. Doe	n/a	Inspection
Poor	November 7 / 76		November 9 / 76	R. Smith	n/a	Inspection

"Storage Bin" (Data Item)

The Long Term

Continually Growing Spectrum of Data Uses (Examples)

Administrative Needs   *Developmental Needs*

| Data Analysis | Evaluation & Reporting | Integrated Planning | Fiscal Forecasts | Treaty Negotiations | Healthy Community | Forestry / Land Use Planning | Self-Governance | Other |

First Nations Input:
- Policy
- Management
- Administration
- Local Indicators

Integrated Data Storehouse

Ongoing "Organic Growth"

expandable

| INAC Registry | FNIHIS | School Records | Land Records | Genealogical Records | Cultural Involvement | Community Surveys | Oral History | Other |

Structured Data   **Continually Growing Spectrum of Data Sources (Examples)**   *Unstructured Data*
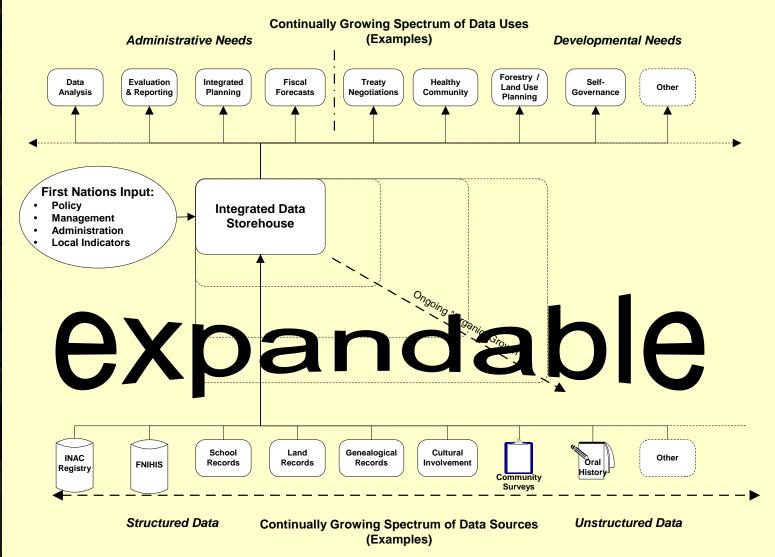
Gwen Phillips, Ktunaxa Nation

CRIMSIN

Comprehensive Resource and Information Management System *Development Criteria*

- Use industry standard technology:
    - J2EE application server.
    - Oracle Data Base (for data storage, security, reliability).
    - Standard XML format for all data input and data exchange.
- Store only one value for each piece of information.
- Focus on the functions supporting a "Person View" of data rather than a "Program View".
- First Nation data flows with four different systems as the starting point (federal and provincial health & education) but fully expandable.
- Security built in at many levels.
- Managed at community level.

Gwen Phillips, Ktunaxa Nation

Benefits and Outcomes

- Provide the useful 'on the ground' tool for all First Nations (irregardless of their current level of administrative capacity or level of self-governance) which will greatly improve program administration, data collection and information management thus increasing efficiencies and accountability as governments.

- Investment directly in capacity of First Nations governments by providing "tools of governance"; effectively managing *transition* to self-governance.

- Expands as First Nation/Federal/Provincial government identify new requirements for system without major re-investment.

- Provide First Nations initiated and managed tool for collection of data for compilation of statistics Nation-wide; First Nations Statistical Institute viable.

- No need to modify existing government systems to accommodate this new, First Nations managed system.

Gwen Phillips, Ktunaxa Nation

Next Steps

- Identify all Partners and define their interests.

- Develop Project Charter, Business Plan and Agreements.

- Define operational requirements for system; chart *relationships* and prioritize development.

- Establish policy framework.

- Develop consent and data sharing agreements...

- Build, test, deploy…

Gwen Phillips, Ktunaxa Nation

Our Desired Outcome

Strong, healthy citizens and communities, speaking our languages and celebrating who we are and our history in our ancestral homelands, working together, managing our lands and resources as self-sufficient, self-governing Nations.

Gwen Phillips, Ktunaxa Nation