

NRCAN DATA STRATEGY: DATA FOR "ONE NRCAN"

A common, **cross-sectoral data framework** strategically positions NRCan and the natural resources sector for the future digital economy.

DIAGNOSTIQUE

FRAMEWORK

OUTCOMES

100% of all open data

NRCan is a GoC Leader in Data and Open Government



Geospatial data is used in forest fire modeling and flood monitoring



Energy audit data is reanalyzed to determine potential residential solar capacity for Canada

43%



Geoscience data is used to inform the development of new mines



Cumulative Effects portal accelerates environmental assessments

37%

G E O S P A T I A L

S C I E N T I F I C

S O C I O E C O N O M I C

NR=17% of GDP



Socioeconomic data for targeted and effective program and policy development

84%

20%



PEOPLE



Data-driven culture

Navigating a changing workplace centered on data literacy by nurturing human capital - investing in skills development, training, and knowledge transfer

PLATFORM



Technology enablement

Building a robust data infrastructure and implementing tools and emerging technologies that enable us to adapt to a rapidly changing landscape

PARTNERSHIPS



Strengthening relationships within NRCan and with our trusted partners to facilitate and streamline processes for data acquisition, sharing, and dissemination

ACCESS



Trust & governance

Benefitting from Data Management principles and implementing processes to make high-quality data available to those who need it, while protecting privacy and mitigating the risk of data breaches

TOOLS



Analytics & AI

Generating value by treating data as a structured, cross-domain value-generating asset that is used for planning, decision-making, and program delivery

VALUE

NRCan provides quality data to its stakeholders for better decision-making

- F Free and open
- A Accessible to all
- I Integrated / Interoperable
- R Reusable in different contexts

RELEVANCE

NRCan acquires and uses data to generate policy, programming and science that is relevant to its stakeholders

- Data Policies & Regs
- High Velocity
- Spatially Detailed
- Interoperable

INFLUENCE

Stakeholders encouraged to better utilize their own data for knowledge generation and competitive advantage

- Data Trust
- Inter-Jurisdictional Cooperation
- IP and Privacy

5 FOUNDATIONAL ELEMENTS

Whole of Government approach

Policy on Service and Digital

Enterprise Data Governance

Data Strategy for the Federal Public Service

Open Government Directive

Use and Management of Data as a Strategic Asset for Mandate Delivery

OBJECTIVE

Through its complex data ecosystem, NRCan requires a robust governance model that focuses on its mandate priorities and manages data as a strategic asset, aimed at improving its use within and outside the department.

