Statistics Canada's COVID-19 Data Management and Analytics Services Virtual Centre

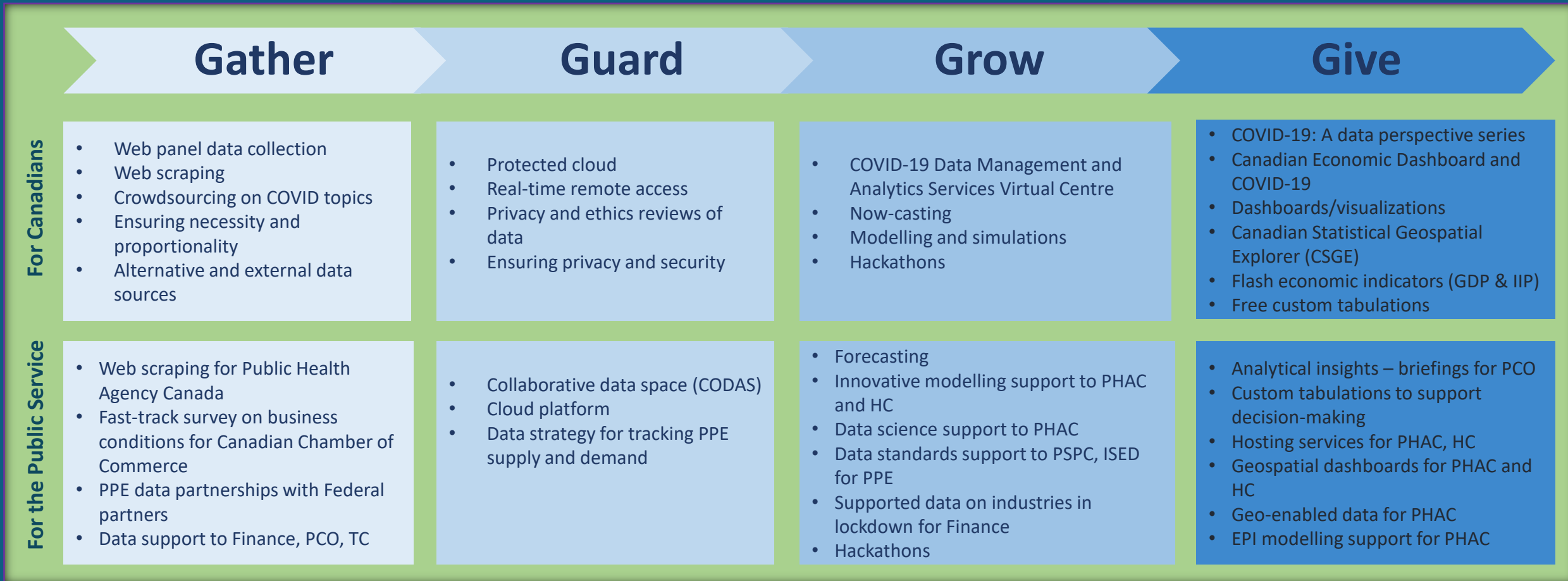**UNECE - June 10th 2020**

Yvan Clermont

Delivering insight through data for a better Canada

A Solid Data System for Addressing COVID-19

Providing data and expertise that make a difference to Canadians at a time when trust, science and evidence have never been more important.

	Gather	Guard	Grow	Give
For Canadians	• Web panel data collection • Web scraping • Crowdsourcing on COVID topics • Ensuring necessity and proportionality • Alternative and external data sources	• Protected cloud • Real-time remote access • Privacy and ethics reviews of data • Ensuring privacy and security	• COVID-19 Data Management and Analytics Services Virtual Centre • Now-casting • Modelling and simulations • Hackathons	• COVID-19: A data perspective series • Canadian Economic Dashboard and COVID-19 • Dashboards/visualizations • Canadian Statistical Geospatial Explorer (CSGE) • Flash economic indicators (GDP & IIP) • Free custom tabulations
For the Public Service	• Web scraping for Public Health Agency Canada • Fast-track survey on business conditions for Canadian Chamber of Commerce • PPE data partnerships with Federal partners • Data support to Finance, PCO, TC	• Collaborative data space (CODAS) • Cloud platform • Data strategy for tracking PPE supply and demand	• Forecasting • Innovative modelling support to PHAC and HC • Data science support to PHAC • Data standards support to PSPC, ISED for PPE • Supported data on industries in lockdown for Finance • Hackathons	• Analytical insights – briefings for PCO • Custom tabulations to support decision-making • Hosting services for PHAC, HC • Geospatial dashboards for PHAC and HC • Geo-enabled data for PHAC • EPI modelling support for PHAC

Infrastructure Support – Convening & Facilitating – Baseline Data & Analysis – Real Time Data Provision – Data Expertise

Metadata, Data Standards, Data Protection and Quality Guidelines

Ethics, Privacy and Transparency

Nature of challenges NSO is facing pre, during and post COVID-19 and already addressing…

Data Access Issues
- Privacy/social
- Interjurisdictional issues
- Legal ambiguity
- Consistency with other legislation

Ad-Hoc/Cost-Recovery Models
- Inconsistent and fragmented content
- Lack of timely data
- Regional gaps resulting from limited ability to provide granular level information

Capacity issues
- IT Infrastructure to support data access, sharing and collaboration
- Skills and talent needed to transform data into timely information to drive decision-making