



Treasury Board of Canada  
Secrétariat

Secrétariat du Conseil du Trésor  
du Canada

Canada

# Central Performance and Impact Assessment Unit

23<sup>rd</sup> PPX Symposium

May 16<sup>th</sup>, 2019

# Leading up to Budget 2018...

*Horizontal Review of Business Innovation and Clean Technology Programs (HIR)* observed\* opportunity for:

- ... **common and comparable assessment** of program performance,
- ... employing a **horizontal approach**,
- ... providing **greater coordination** of policy research, evaluation approaches, and performance data,
- ... to better inform **resource allocation to and across programs**.

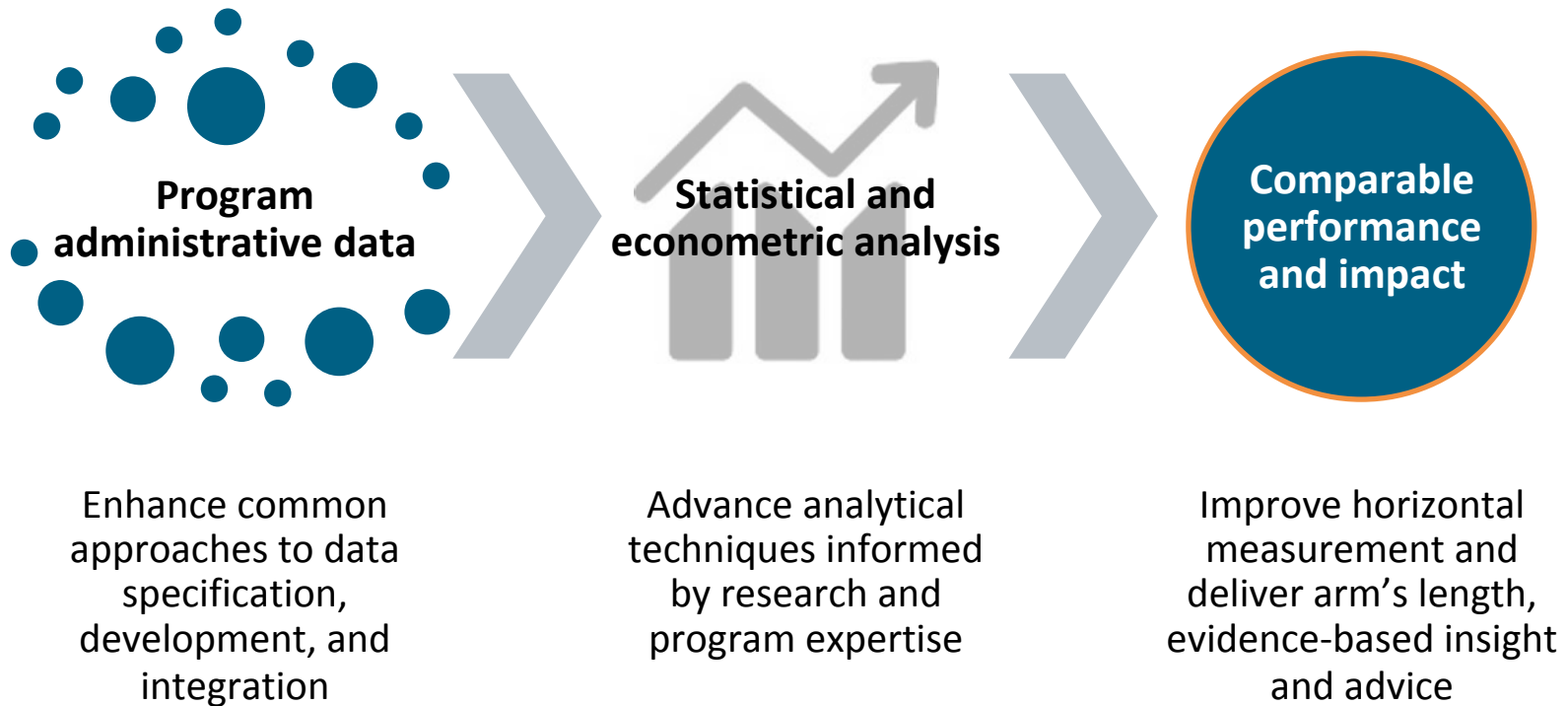
HIR demonstrated potential for:

- Common measurement concepts and methods to enable comparison and benchmarking
- Combining program administrative data with business microdata for statistical and econometric analysis to inform performance

**“Central Performance and Impact Assessment”  
for business innovation**

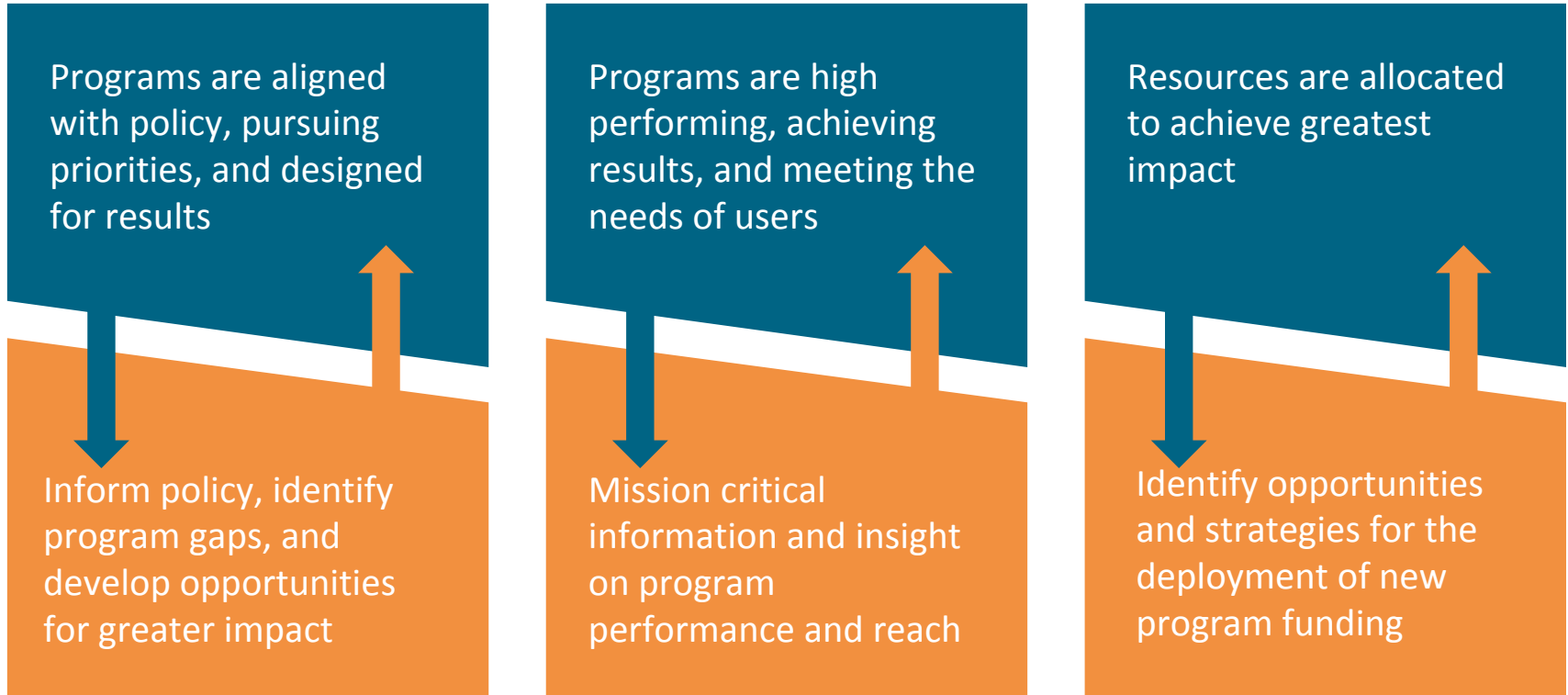
\* These observations were also noted in the Review of Federal Support to Research and Development – Expert Panel Report (Jenkins et al., 2011)

# Collaborative and data-driven performance measurement



# Platform for evidence-based decision making

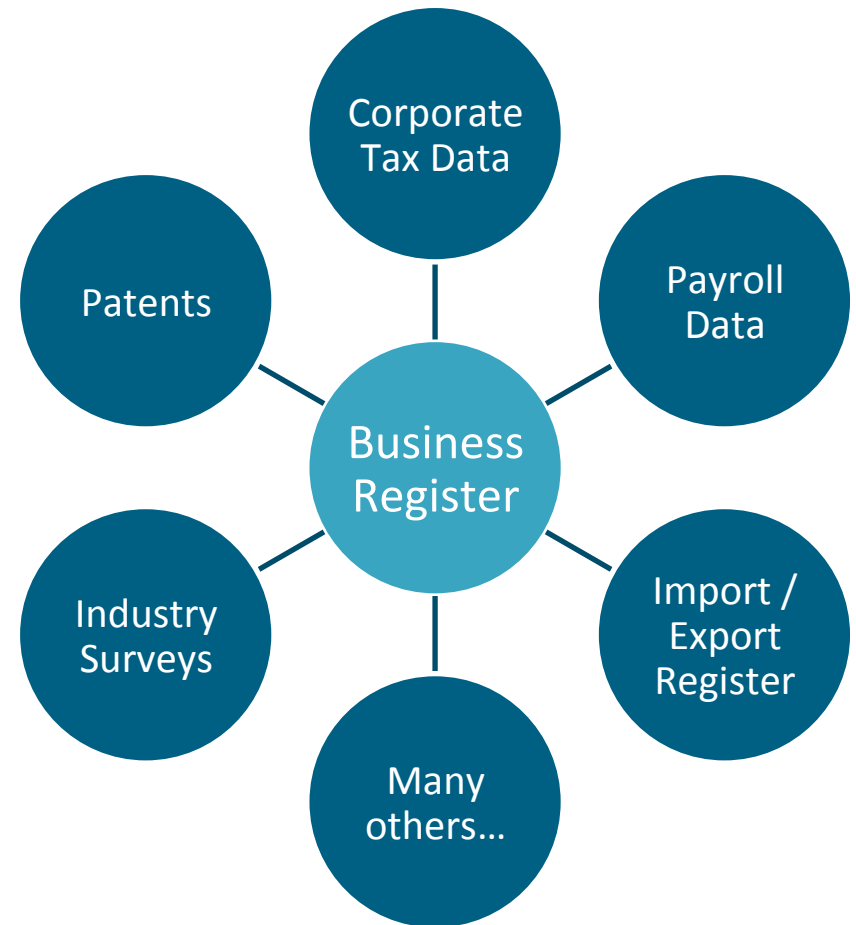
Arm's length, evidence-based insight and advice with a horizontal perspective



Relevant data and analysis informed by departmental expertise

# Strategic partnership with Statistics Canada

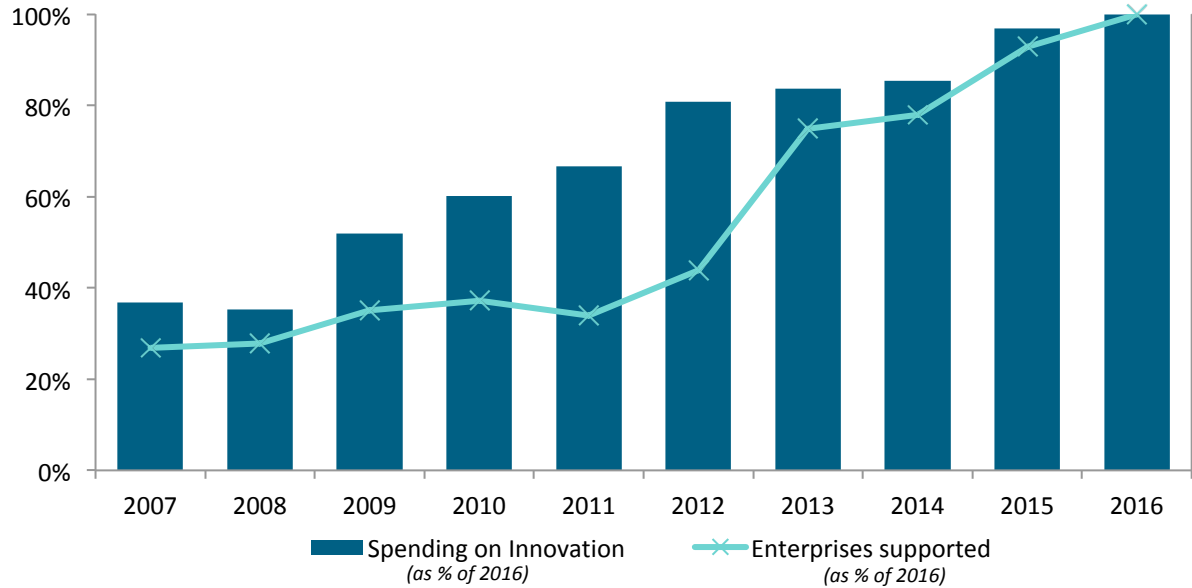
- Canada's national statistical agency has a legislative mandate to collect and compile data that can strengthen program evaluation
- Business innovation program administrative data:
  - Financial records of awards
  - Summary client service records
- Linking datasets by common identifier enables firm-level analysis of program activities and impact



# Analysing programs through the firms they support

## EXPANDING OVER THE LAST 10 YEARS...

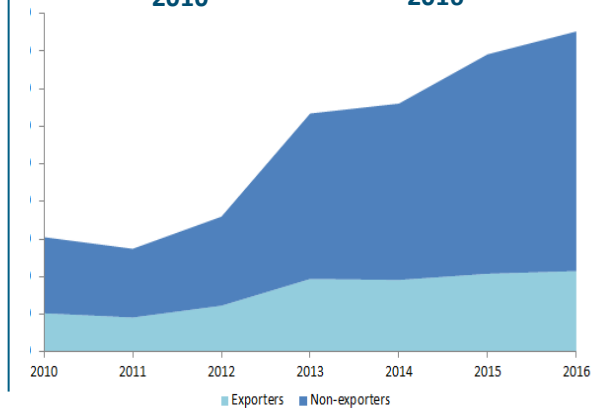
Both spending and the number of recipients have increased



## EXPORTING FIRMS

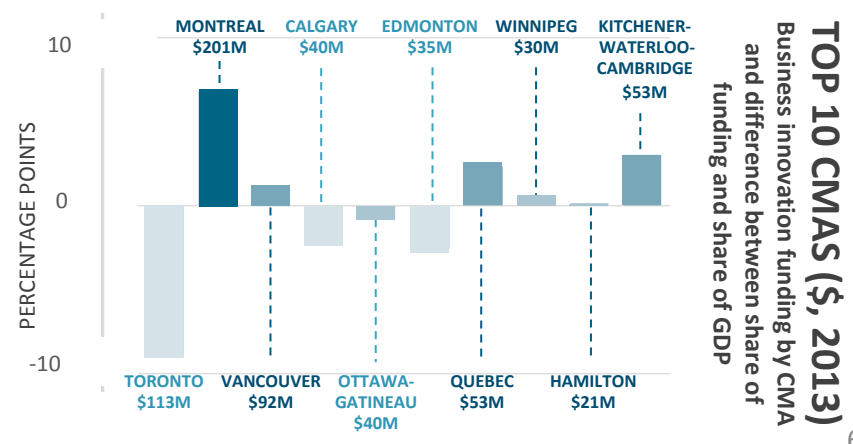
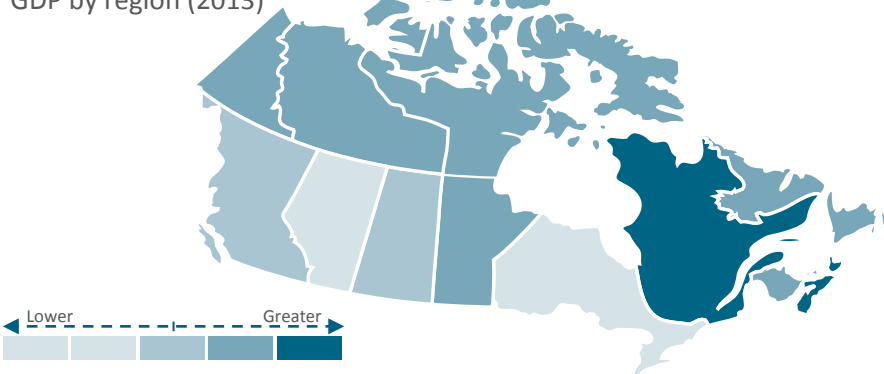
While programs interacted with **twice as many exporting firms in 2016** than 2010, the proportion of enterprises relative to the total shrank

**34%** > **25%**  
2010 2016



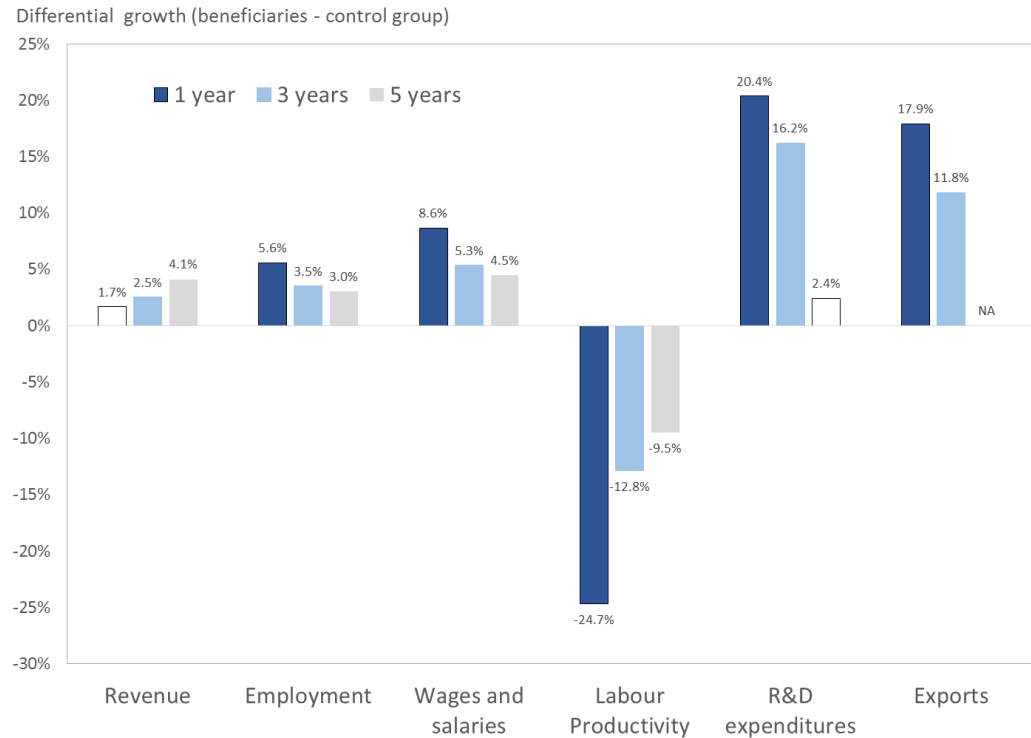
## REGIONAL BREAKDOWN

Distribution of business support varies in relation to GDP by region (2013)



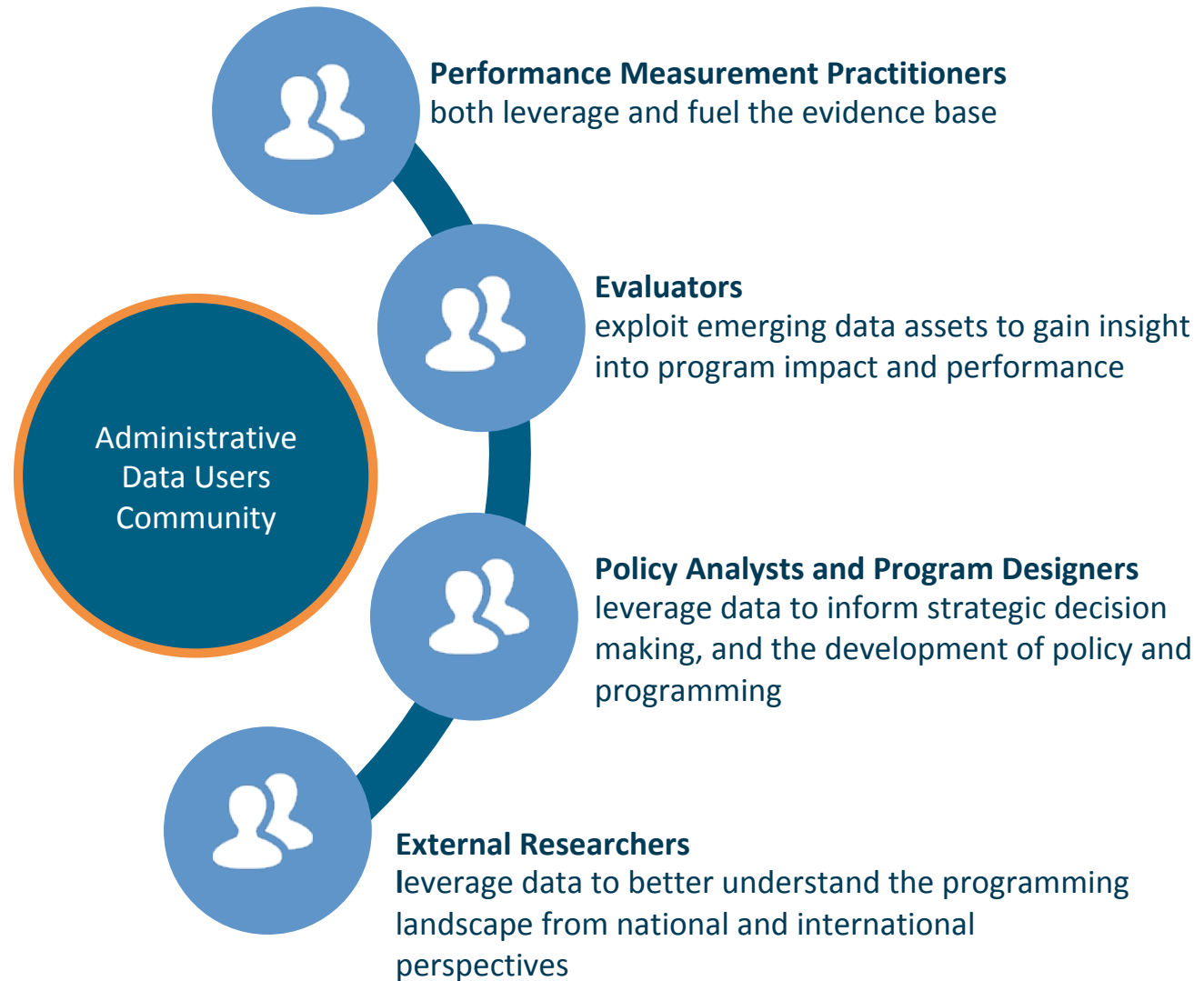
# Econometrics can inform impact assessment

- Natural experiments in data to generate counterfactuals to improve attribution of outcomes
- Estimate induced economic impacts for key indicators measurable in individual firms



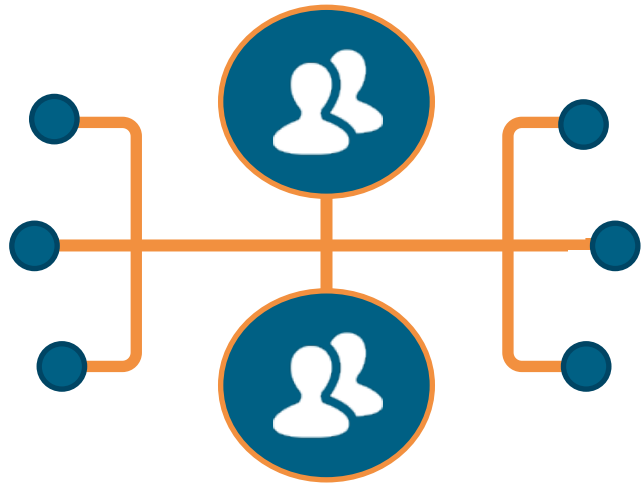
# Beneficiaries of CPIA data

A coordinated effort with a view to create, maintain and fully leverage high quality data assets is required to bring about shifts in methods, internal reporting capacity, and the culture around data management.





# Empowering Performance Measurement and Evaluation



**Creating new evidence on the  
impact of GoC's programs  
and services**

- Business Innovation and Growth Support (BIGS) data is produced via multiple new business practices within the Government of Canada, moving data out of silos and into a common database.
- Leadership on pathfinding efforts to apply new evidence to policy, performance measurement and evaluation questions and to better understand our data and its potential applications.
- CPIA will be engaging with experts across a variety of functions as we move to create new insights and seek input.

# Questions?