# The evolution of public sector innovation as a transformative force

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#### from an ...

#### **Econometrician / Researcher**

Developing data and evidence-base to support policy and program development using:	2013-17	Introduced, curated and scaled up behavioral Insights stream of work at Employment and Social Development Canada (ESDC)
<ul><li>Statistics Canada Surveys including:</li><li>Longitudinal Surveys (NLSCY, YITS)</li></ul>	2015-17	Established Service Research function and introduced
<ul> <li>International surveys (IALSS, PIAAC, PISA)</li> <li>Longitudinal Administrative Surveys (Tax</li> </ul>	2010-11	Machine Learning as a new research tool in ESDC
Filers, Immigrant landing database)	2015-18	Established <b>ESDC Innovation Lab</b> and scaled it up – Design Thinking, Systemic Design and Behavioral Insights - <b>Experimentation</b> mindset and Diffusion
Randomized Control Trials (RCTs)		
Small area estimators Simulation models Research Partnerships with Academia and Think tanks	2018-	Introducing and <b>embedding</b> Digital Design at Innovation to support Innovation Science and Economic Development (ISED) Digital Transformation Agenda, and Leading ISED Digital Innovation

.... to a

**Public Sector Innovator** 

# We are on a journey towards TRANSFORMING how we work in government ....

.. to deliver better services to Canadians through **Policy**, **Program** and **Service Innovation** 

by Placing **End User at the Center** of Decision-Making and Co-creating solutions *for* users *with* users - or in other words Co-Creation...

...using methods such as **Design Thinking**, **Behavioral Insights**, **Agile...** 

# Driving force has been the Public Service Renewal Initiative since 2013 – from Blueprint 2020 to Beyond 2020

A world-class public service equipped to serve Canada and Canadians now and into the future

#### **Guided by four principles:**

An open and networked environment that engages citizens and partners for the public good.

A whole-of-government approach that enhances service delivery and value for money.

A modern workplace that makes smart use of new technologies to improve networking, access to data and customer service.

A capable, confident and high-performing workforce that embraces new ways of working and mobilizes the diversity of talent to serve the country's evolving needs.



https://www.canada.ca/en/privy-council/topics/blueprint-2020-public-service-renewal.html

# Government of Canada Commitments 2018

"Digital government" presents an opportunity for a cultural and operational shift that is much more than the digitization of government services. It is about cultivating an environment that prioritizes citizens and promotes streamlined, secure service delivery supported by technology. It is about reimagining the service relationship with citizens to remain relevant.

- Alex Benay, Chief Information Officer of GoC

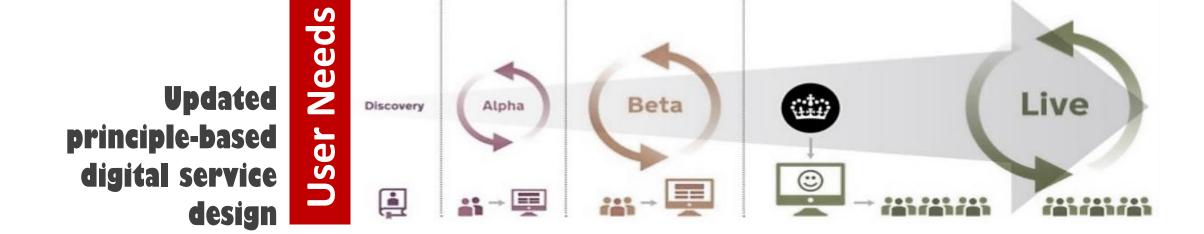
**Design with users:** Research with users to understand their needs and the problems we want to solve. Conduct ongoing testing with users to guide design and development.

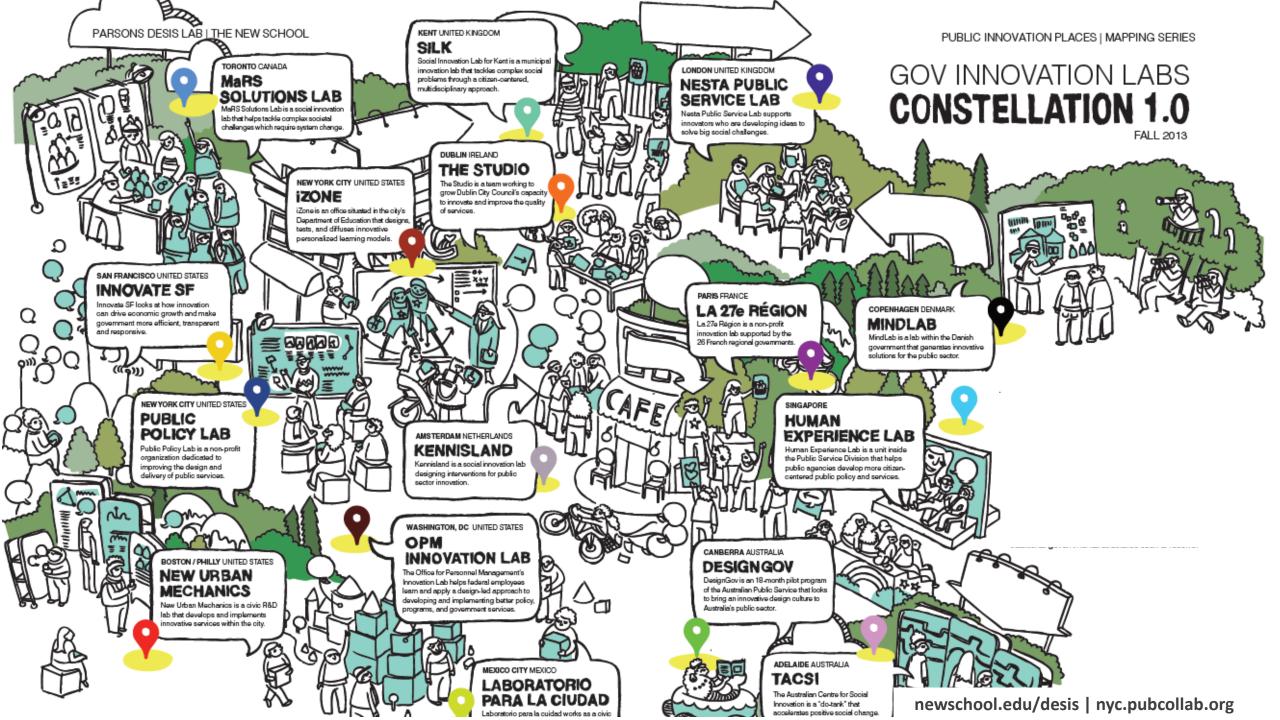
- Government of Canada Digital Standard #1

The path planned is not always the path taken.









# Public Sector Innovation Labs as Culture Change Agents (#psilabs)

- Safe space to 'try doing things differently' de-risking through experimentation
  - Learn from what works and what does not
  - Share lessons learned
- Intentional Physical spaces to encourage collaboration and 'outside-the-box' thinking
- Dynamic learning organization with focus on its 'value-add' and delayering of hierarchical reporting



# ESDE Innovation Lab: A Human-Centered Design Lab



#### **People-Centered**

- Starting from what people (users, clients, customers, stakeholders, Canadians) need
- Empathy and understanding of motivations and feelings is key
- Multi-disciplinary perspectives are key



#### **Hands-on**

- Its about experimenting, testing, making ideas tangible, trying things out
- Trial and error is key, learn as you go



#### **Highly Creative**

- Looking at situations differently and coming up with new solutions that go beyond improvements
- Understanding at all aspects of a problem using collaboration, design thinking and behavioural insights



#### **Iterative**

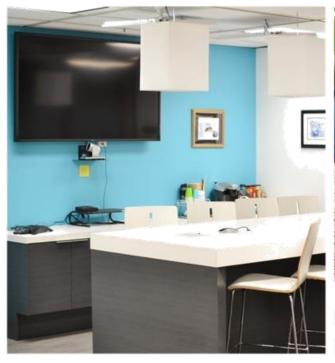
 Human-centered design does not follow a straight line, it is about understanding, creating, trying, learning and repeating the cycle













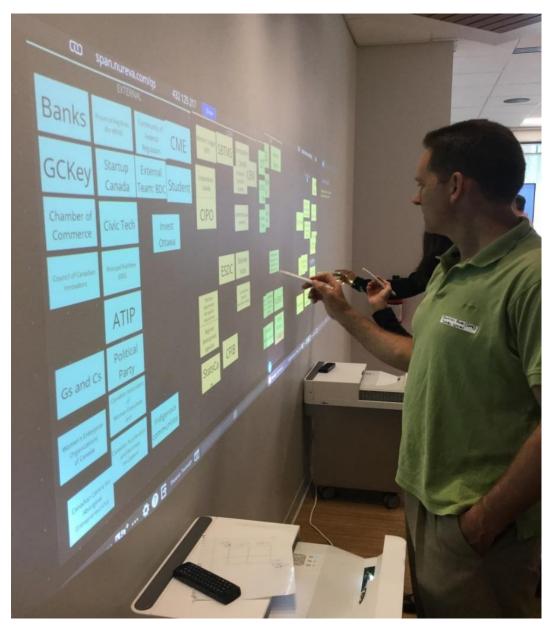
Employment and Social Development Canada



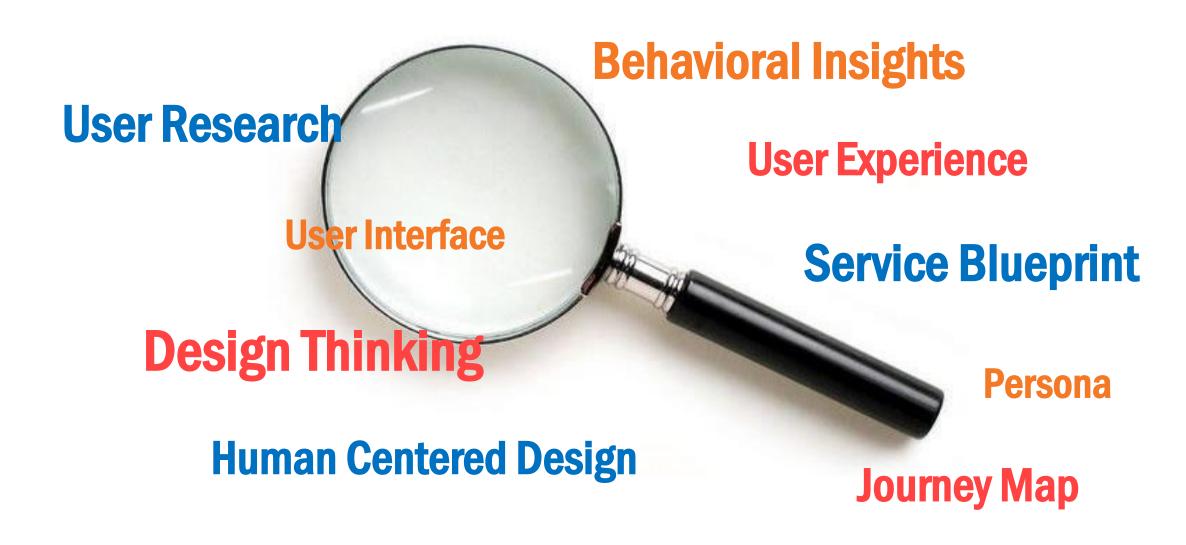
# **Digital Design Sessions**

**Innovation Science and Economic Development (ISED)** 



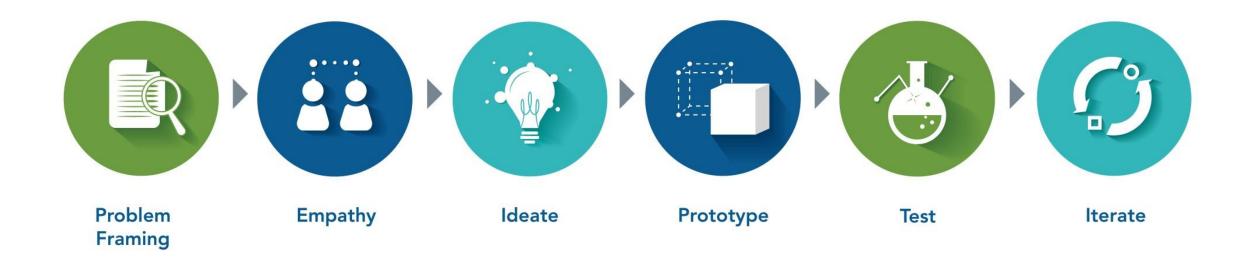


# So what do we do in a Lab to be Client-Centric — it is all about RESEARCH



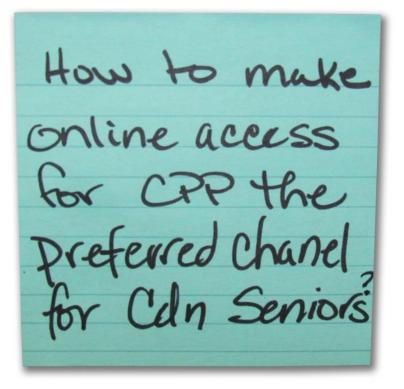
# Design Thinking

The Lab Methodology



First Major Project

# CANADA PENSION PLAN



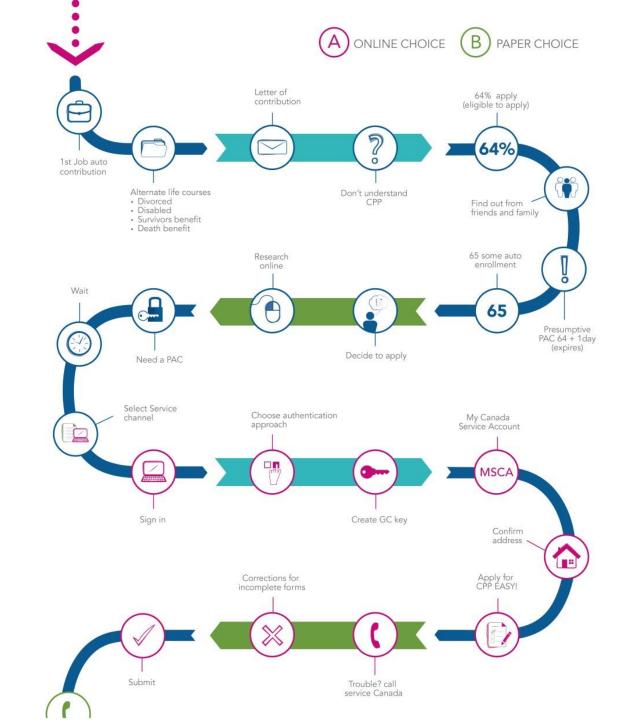
### **Anecdote Circles with Frontline Staff**

**Project: E-Service for CPP** 



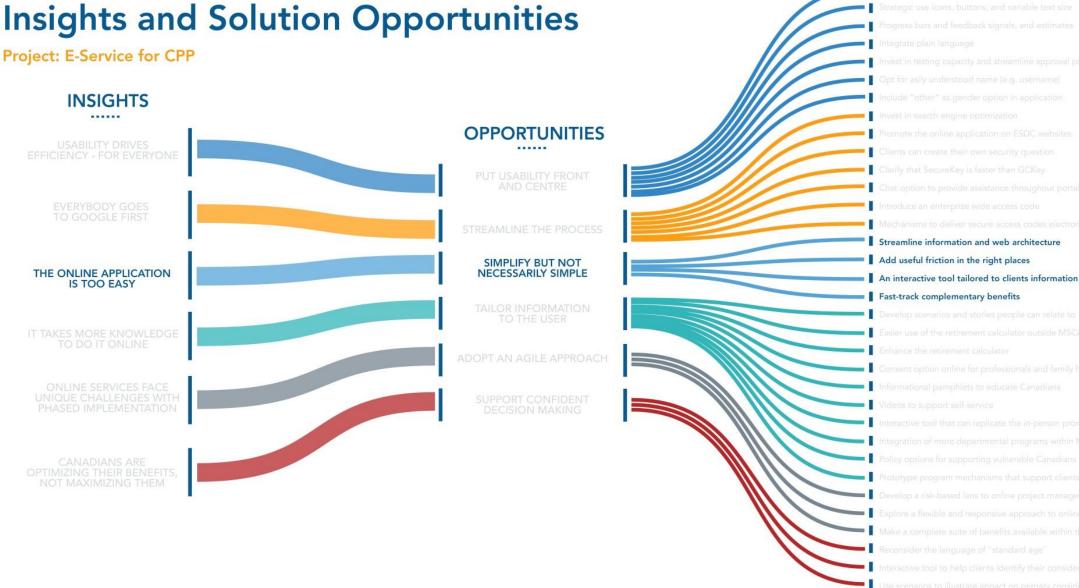
# Client Interviews & Journey Mapping

**Project: E-Service for CPP** 



#### **IDEAS**

### **Insights and Solution Opportunities**



# CANADA LEARNING BOND

#### **Context**

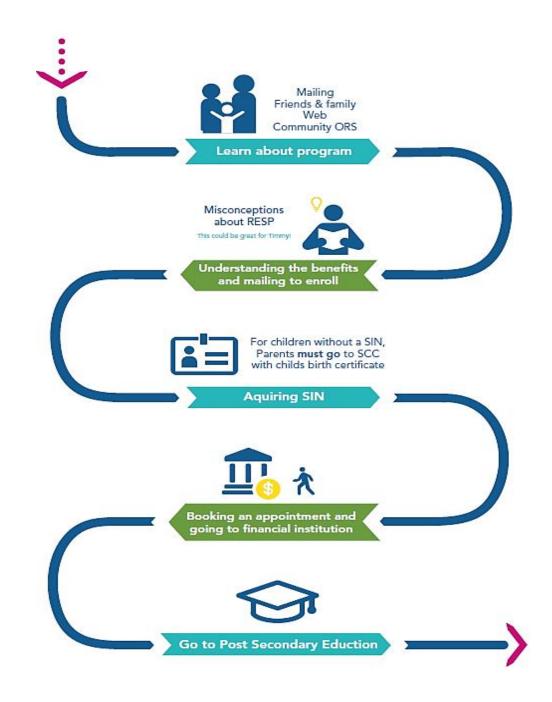
- Program is designed to provide an amount of savings to lowincome Canadians to help them save for their children's post-secondary education through Registered Education Savings Plans (RESPs).
- Among other initiatives, letters promoting the CLB are sent out quarterly to primary caregivers whose children have become newly eligible for the program.

#### Issue

- Low take-up rate
- Effectiveness of quarterly mailouts

## **Client Journey Map**

In the context of the CLB, it is important to note that there are many steps a family must take between receiving our mailing and successfully receiving a CLB payment into an RESP. This trial only sought to increase the number of families who decide to act on the letter.

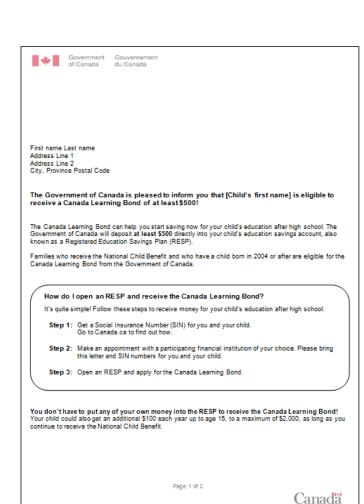


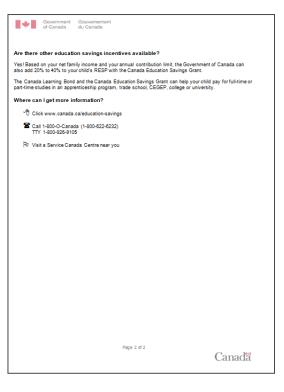
### **Standard Letter**

The standard letter was well-designed as it has evolved over time, and is now consistent with a number of **behavioural science principles**:

- is short and concise
- personalized with the child's name
- communicates the benefits of the program
- presents the information in a structured manner (e.g., details steps to be taken)

Additional materials such as brochures, vouchers and pamphlets have been part of previous mailings though their impact was not measured rigorously.





### **Revised Letter**



First Name Last Name Address Line 1 Address Line 2 City, Province Postal Code

#### Take Advantage of Government Money for Your Child's Education!

The Government of Canada wants to help you save money for [Child's first name]'s education after high school by giving you at least \$500 through the Canada Learning Bond.

Depending on your family income, the Government could add \$100 each year, up to a maximum of \$2,000. This money can be used to pay for tuition, books, and other living expenses related to your child's post-secondary education.

This program is offered by the Government to make education after high-school more affordable for families. You don't have to contribute any of your own money to receive the Canada Learning Bond. All you have to do is apply.



#### The application is easy. Just follow these simple steps:

To get the Canada Learning Bond, you have to open a Registered Education Savings Plan (RESP) for your child. An RESP is a special savings account for setting money aside for your child's education. This is the account the Government uses to deposit the Canada Learning Bond.

- Step 1: Make sure you have a Social Insurance Number (SIN) for yourself and
  - Find out how to get one at www.servicecanada.gc.ca
- Step 2: Set up an appointment with any financial institution that offers RE SPs and the Canada Learning Bond. For example, your bank or creditunion. You should only need one short appointment to open an RESP. Bring the SINs for you and your child to your appointment.
- Step 3: At your appointment, ask the person who is opening the RESP to apply for the Canada Learning Bond for you.

Your RESP provider will inform the Government of your application for the Canada Learning Bond. You do not need to send anything to the Government.

Step 4: The Government will deposit at least \$500 into your child's RESP. You do not need to put any money into the RESP to receive the Canada Learning Bond.

More information about the Canada Learning Bond is on page 2 of this letter.



Government Gouvernment

#### Additional Information on the Canada Learning Bond:

. How much money can my child get from the Canada Learning Bond?

When you open an RESP and apply for the Canada Learning Bond, the Government will deposit \$500 into the account. Depending on your income, the Government will put an additional \$100 into the RESP for every eligible year until your child turns 15. That's up to a maximum of \$2,000 for your child's post-secondary education!

What is post-secondary education?

Post-secondary education includes studies in an apprenticeship program, trade school, CEGEP, college or university. The Canada Learning Bond and any other savings in an RESP can be used for expenses related to full-time or part-time studies at any of these post-secondary institutions.

. The Canada Learning Bond is retroactive

This means that the Government will still give your child money for each year he or she qualified for the Canada Learning Bond in the past. Children can be eligible some years and not others depending on your net family income.

For example, if your child is now 6 years old and was eligible in the past for 3 of those years, the Government will deposit a Canada Learning Bond payment of \$700 after you open an RESP. Plus, your child could receive another \$100 per year if eligible in the future.

\$500 for the first year + \$100 for the second year

+ \$100 for the third year

= \$700 first payment

. The Canada Learning Bond will not affect your other benefits

The Canada Learning Bond will not affect other benefits such as social assistance. You will still continue to receive your other benefits.

Are there other education savings incentives available?

Yes! The Government of Canada also offers the Canada Education Savings Grant. Depending on your income and how much you save, the Government will match your savings by 20% to 40%, to help your child's RESP grow faster.

If you have any questions or need more information, you can contact us here:

To Click www.canada.ca/education-savings

Call 1-800-O-Canada (1-800-622-6232) TTY 1-800-926-9105

ि Visit a Service Canada Centre near you



#### **Social Norm:**

Tendency to do or believe things because others believe or do the same.

[X] children in [province] are already receiving the Canada Learning Bond.

#### **Testimonial:**

People have a tendency to be influenced by a message's source, not just its content (known as the "messenger effect").

"I'm so happy I was able to get this for my sons. Even if I don't have much extra money right now, this is one way I can help prepare for their future." – Maria, mother of two

Message on envelope:

Important Information Inside

#### **Personalization:**

Reinforces the 'social' aspect of nudge by establishing a closer relationship between Governments and citizens.

Dear [PCG first name], The Government wants to help you save money for [child's first name]'s education after high school...

#### Infographic Insert:

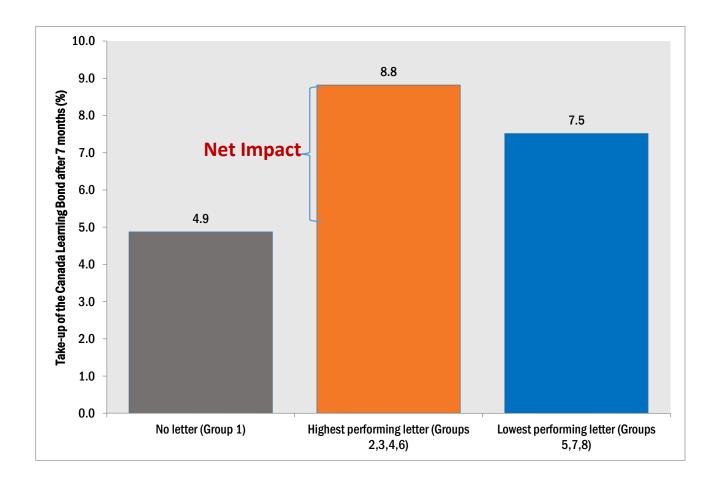
Illustration to help the reader visualize complex information and interactions.



# How effective are mailings at increasing the take-up of the CLB?

#### **Results (7 months after the mailing trial):**

- The mailings are an effective means of increasing take-up of the bond. The highest performing letters (Groups 2,3,4,6) provided an 80% relative increase (4 percentage points) in take-up over the natural take-up (no letter).
- In absence of any mailing, approximately 5 out of 100 PCGs sign up for the CLB.
- The RCT allows us to determine the Net Impact of the mailings. The highest performing letter resulted in additional 4 out of 100 PCGs signing up for the CLB.



# Any guesses what happens next?

### Job Postings Trial (longest running ESDE trial)



Increased click rate by 67%

Increased click rate by an additional **32%** (i.e., **120%** improvement)

Lowest performing

Highest performing

### Digital Transformation at ISED

- Equip ISED employees first with right digital tools
- Follow a structured process Digital Playbook
- Center of excellence for Digital + Data Platform
- Partnerships with other governments and international
- Leading Digital Identity for Business for Government of Canada (GC)
- Digital Design and Digital Innovation Lab

### DIGITAL OFFICE AT ISED

#### **Digital Lounge**

 A kiosk-style "digital lounge" for you to visit and get tech support, or to see demos of new and cool 'digital office' features;



- On-the-spot IT support to get you help right away, and on with your day;
- Real-time status tracking of your IT ticket on the ISED web:
- Digital office untethers you, giving you the freedom to work anywhere;
- Continuous user training for you and all your workers; and.
- Regular feedback to solve Business Units' needs.

#### **Skype for Business**

- Messaging, meetings, and screen-sharing with up to 250 people, even if they're not on Skype;
- Group audio and video meetings on any of your office devices;
- Provides a connection among you and all employees from anywhere; and,
- Helps to cut down on nonessential business travel through videoconference.

### Boardroom scheduling panels



- Used for interactive and instant boardroom management; and,
- You can book meetings or see the room schedule.

### Surface Hubs & The Digital Whiteboard

- Use the touchscreen and write on it – then share it instantly;
- Share in the office or as-yougo;



- Connect with your team through the built-in video camera via Skype;
- Connect locally, nationally, or internationally with simpleto-use video meetings;
- Everyone you invite sees what you write – worldwide;
- Save notes across all your office devices (phone, tablet and laptop) instantly; and,
- A whiteboard and personal organizer in one allows you to share and communicate with others internally and externally.

#### Portable Devices, Office 365 & Remote Access Services

- Access your email, files, and schedule from anywhere;
- Based on your business requirements, you can use a phone, tablet, or laptop;
- Office 365 allows you to instant message, cloud storage, and video and voice conferencing;

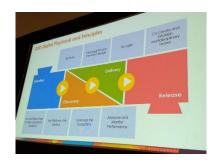


#### Skype for Business

- Now anywhere can be your office - improve your work experience by untethering from your desk; and,
- Stay up-to-date and in touch with your colleagues through a wireless connection to work.

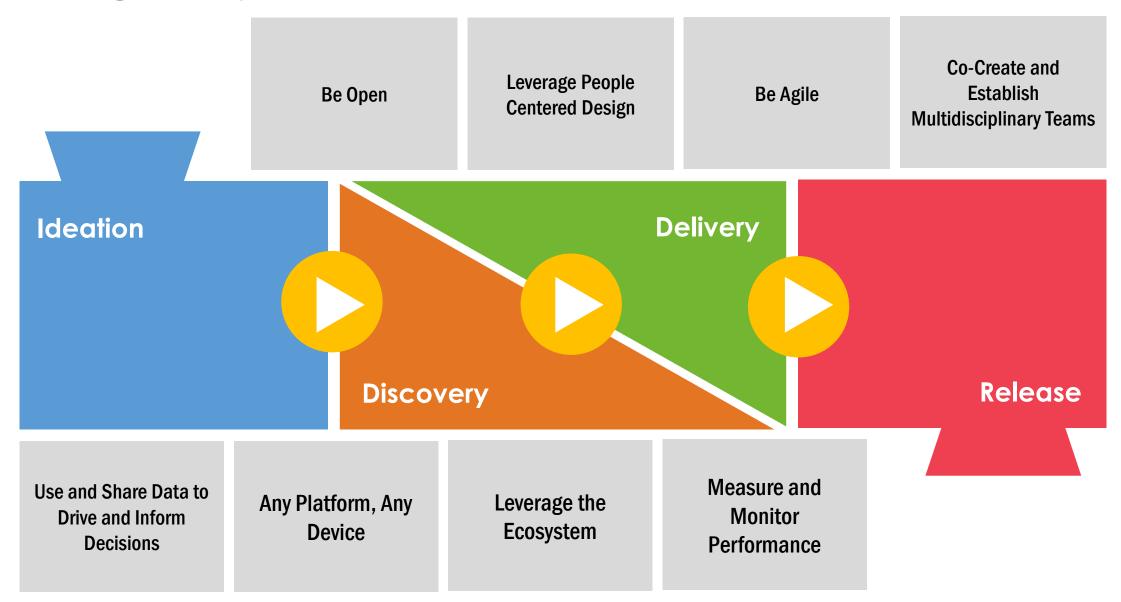
#### **Digital Display Screens**

- Ability to post real-time content and communications;
- Digital Displays welcome both visitors and employees with immediate information, news, and updates;



- Enables employees to be aware and informed via instant streaming of Departmental and GC news; and,
- Located within ISED's internal lobby space on each floor.

### **ISED Digital Playbook and Principles**



### Glimpses of Ideation and Discovery work

To understand the small business' attitudes, beliefs, and motivations towards government services, we reviewed existing research from following sources:

- Canadian Small Business Survey
- CFIB Reports
- ISED Annual Survey

Small businesses spend disproportionately greater amounts of time and money to comply with government regulations than larger businesses.

As an evolving draft, the purpose of this Discovery Report is to capture the insights gathered by engaging small businesses and other stakeholders.

So far, the Discovery team's overall planned engagement included:

- Intercepts at Bayview Yards (Interviewed 9 SMEs from diverse tech start-up industries including real estate app and product design)
- Anecdote Circle (Facilitated Storytelling) with ISED Call Centre Staff (Interviewed 3 call center staff on client interactions and plain points)
- Job Shadowing at ISED Call Centre (Observed 4 client calls)
- Interviews with the Canadian Federation of Independent Businesses (CFIB) (Interviewed 2 business counsellor coordinators on client interactions and pain points)
- **Youth Can Do It' Program Participants** (Interviewed 2 small business owners from the retail and health technologies industries)
- Personal Networks (Interviewed 3 small business owners from the construction, IT consulting, and manufacturing industries)

# Innovation, whether digital or not, is all about mindsets and culture change and not about technology

#### **Policy, Program and Service delivery Innovation**

- Innovation Labs collaboration, tools, technology
- Service Transformation Initiatives (ESDC, ISED, Transport, IRCC ..) and Canadian Digital Service (CDS)
- Challenges Innovative Solutions Canada (ISC), Impact challenges (PCO)

#### **People**

- HR innovations Talent Cloud, Free Agent Program, GC entrepreneur
- Beyond 2020 Public Sector Workforce Renewal
- Digital Academy Canada School of Public Service

#### **Processes/Tools**

- Policy and Procurement Innovation Digital Policy (TBS), Procurement (PSPC)
- GC Tools GC Collab
- Digital Office (ISED)

## **Key Resources / Links**

Government of Canada Talent Management	Programs	International
Talent Cloud   Applicant: Home	Home - Innovative Solutions Canada	Observatory of Public Sector Innovation Observatory of Public Sector Innovation
About Blueprint 2020 - Canada.ca	Impact and Innovation Unit - Canada.ca	Nesta   The Innovation Foundation
Government of Canada launches Digital Academy - Canada.ca	Home - Canadian Digital Service  Open Government	IDEO is a global design and innovation company.   ideo.com
https://www.oecd.org/gov/innovative- government/Canada-case-study-UAE-report-	Innovation Canada	Behavioural Insights Team - GOV.UK
<u>2018.pdf</u>	Behavioural Insights and Public Policy Lessons from Around the World OECD - Google Books	Behavioural insights - OECD
	Around the World OECD - Google Books	

Bayview Yards - Your Ottawa Innovation Hub

Communitech

IBM and Nova Scotia Partner to Open Public Sector Innovation Garage - Techvibes

Volta - Canada's East Coast Innovation Hub

# Thank You

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