

# Digital Government Innovations

## How Might We?

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FMI 2018

# Agenda

Point of View

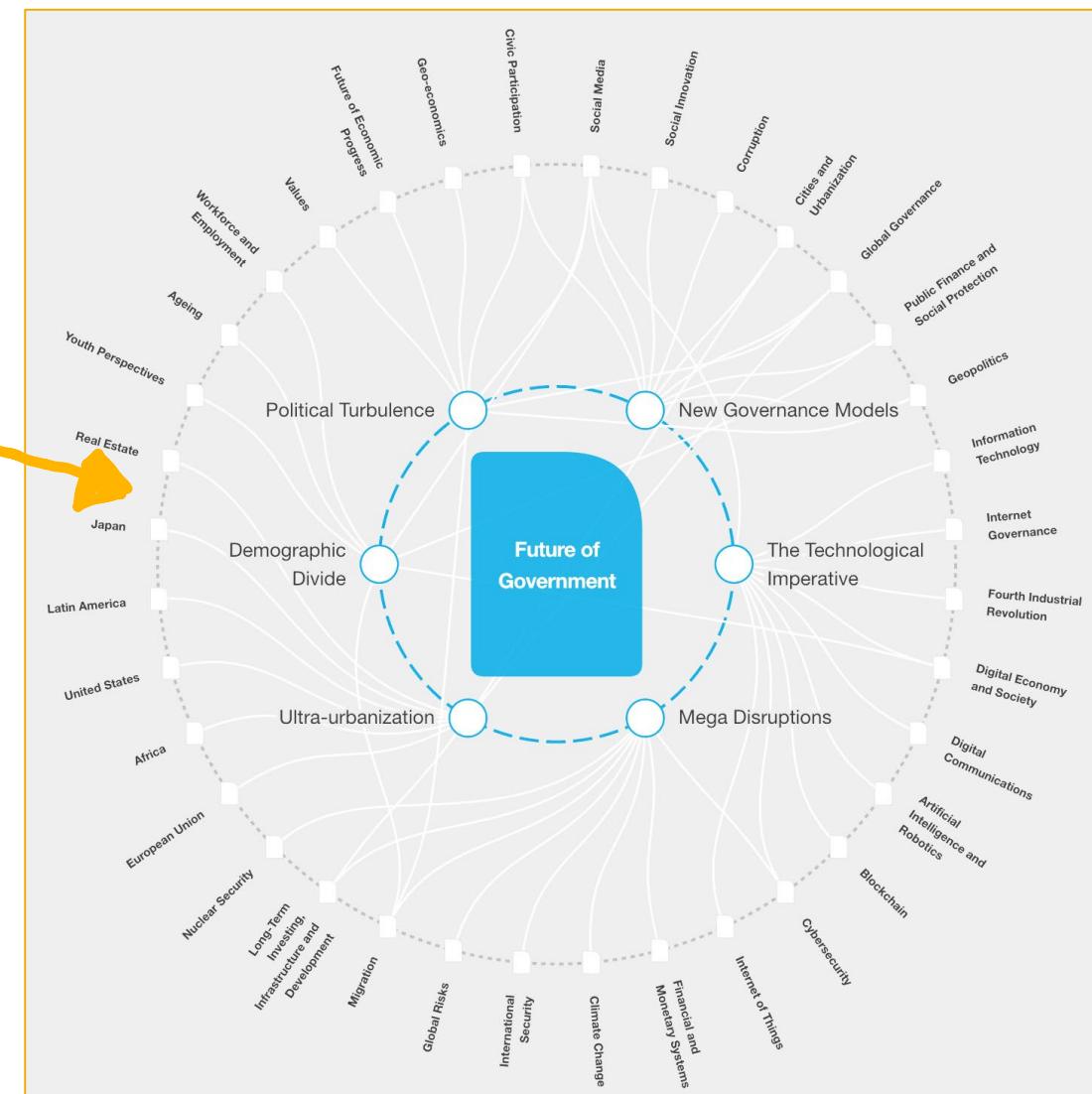
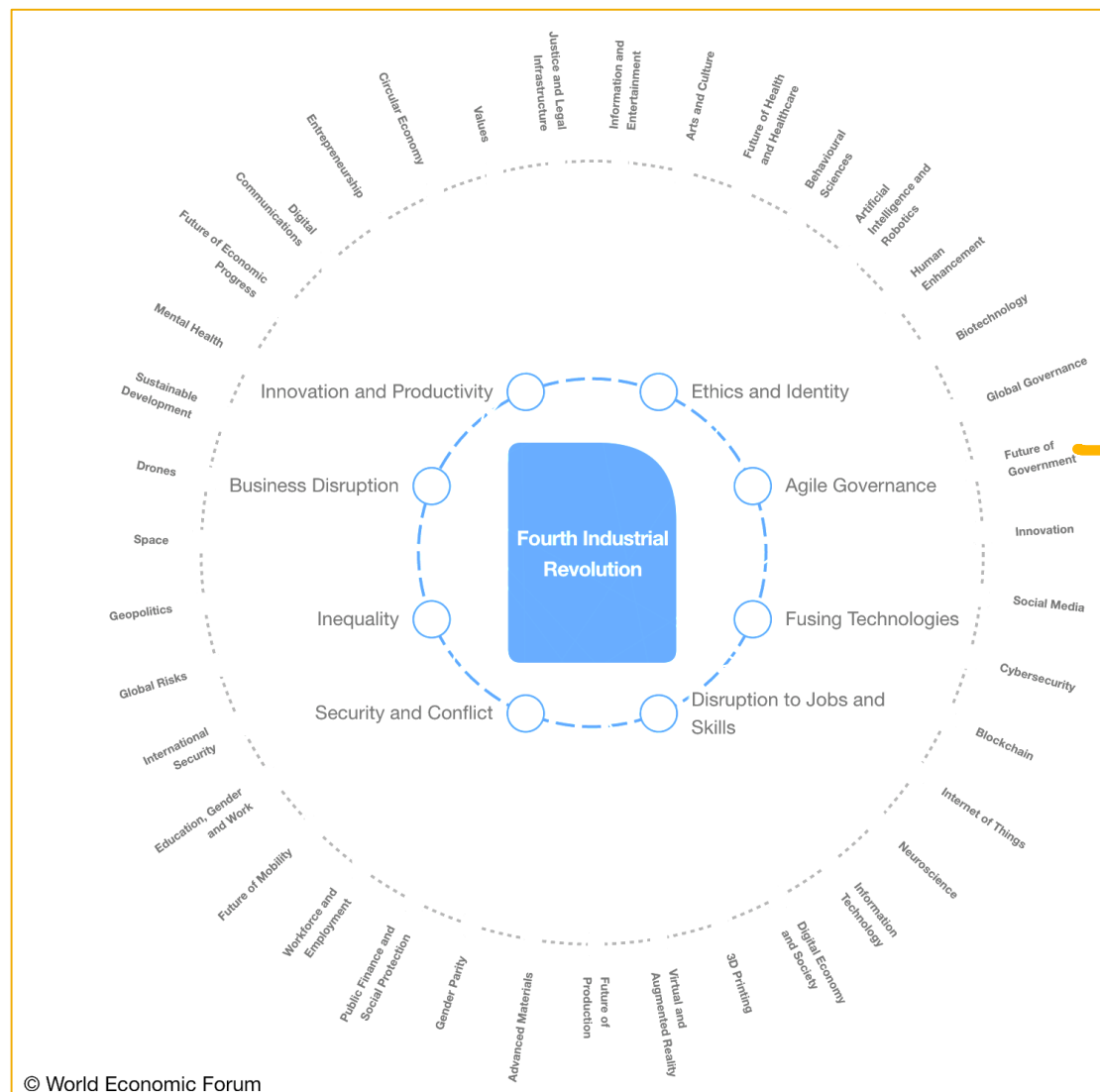
Case Studies

Closing Thoughts

Transformation Leader Panel – Government of Canada Transformation Leaders

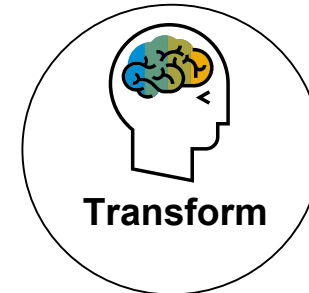
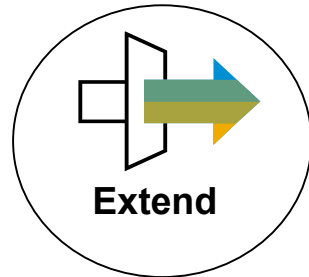
# SAP Point of View

# The Fourth Industrial Revolution is shaping the **Future of Government**



# What is Digital Government?

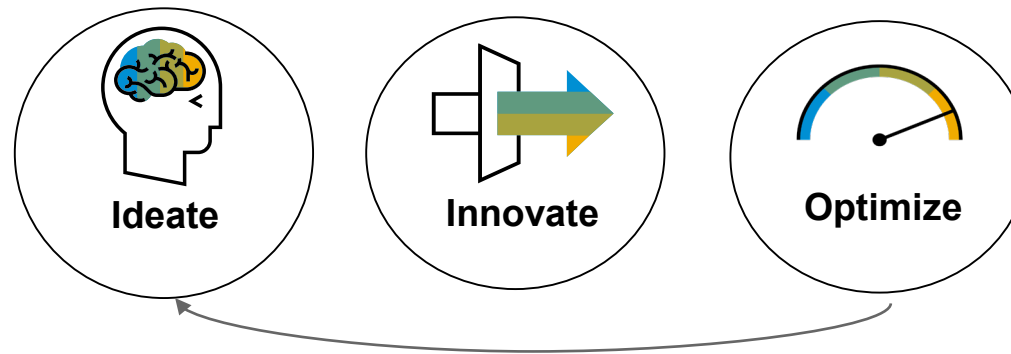
Digital government is the production and access to data, services and content, sourced and distributed across the digital and networked world, to create public value. (OECD)



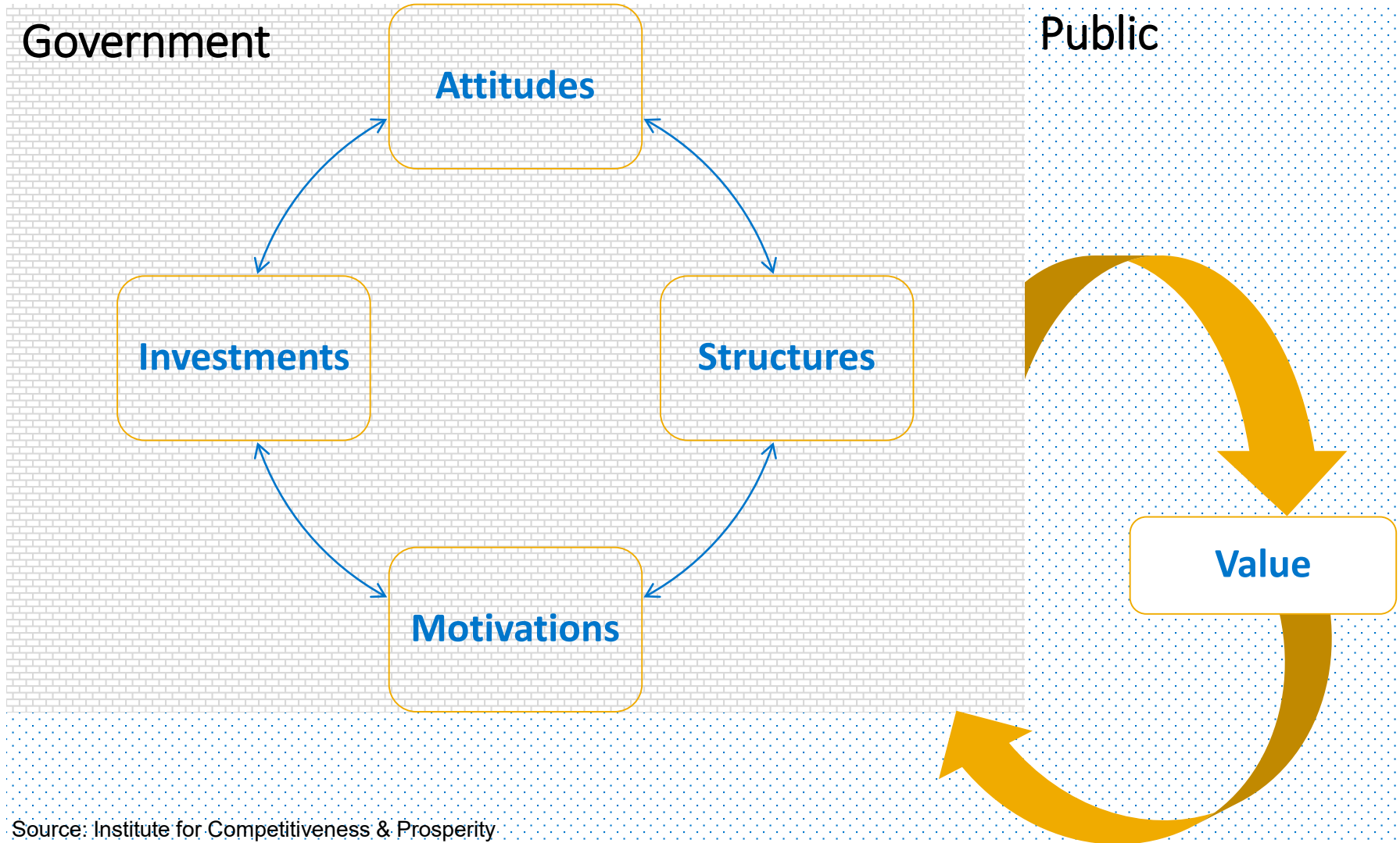
# How might we become a **Digital Government**?

A digital government refocuses on what “creates public value” for Canada while transforming the production and access to data, services and content, sourced and distributed across the digital and networked world.

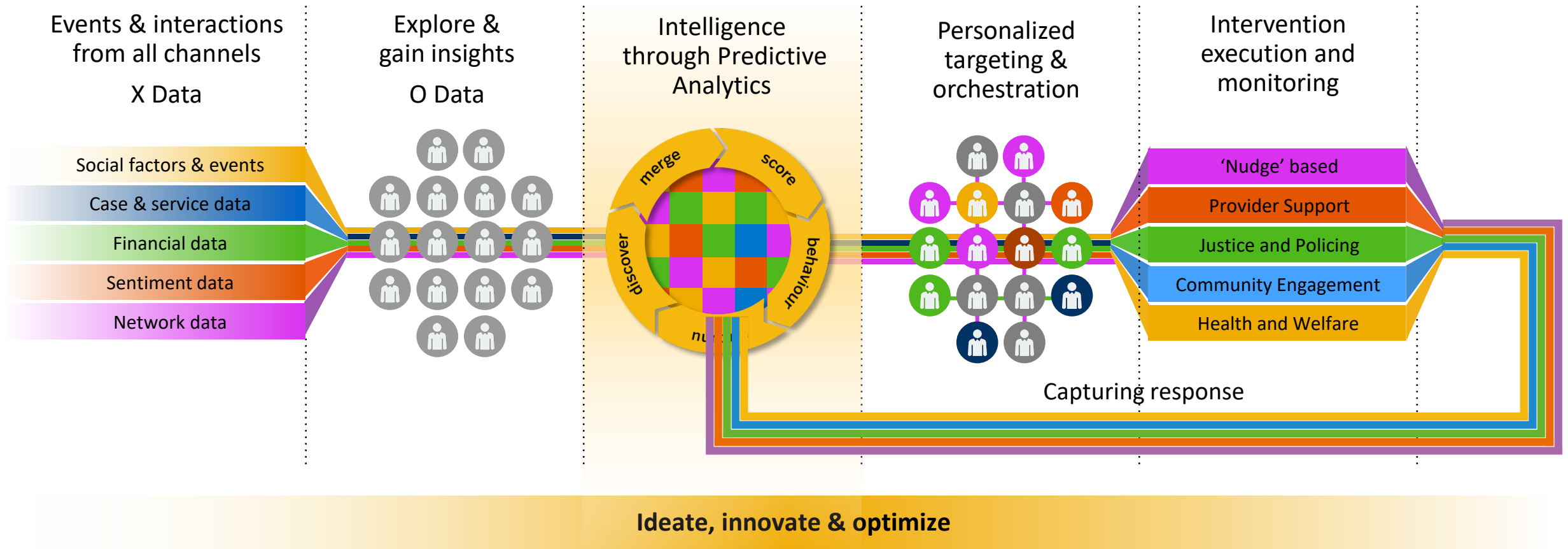
(Ideation Centre at SAP Canada)



# We must understand the Attitudes, Investments, Motivations and underlying Structures to enable **Public Value**



Big data created from different sources enables Public Services to **rethink processes**, which enables insights and then allows for innovative service delivery to citizens





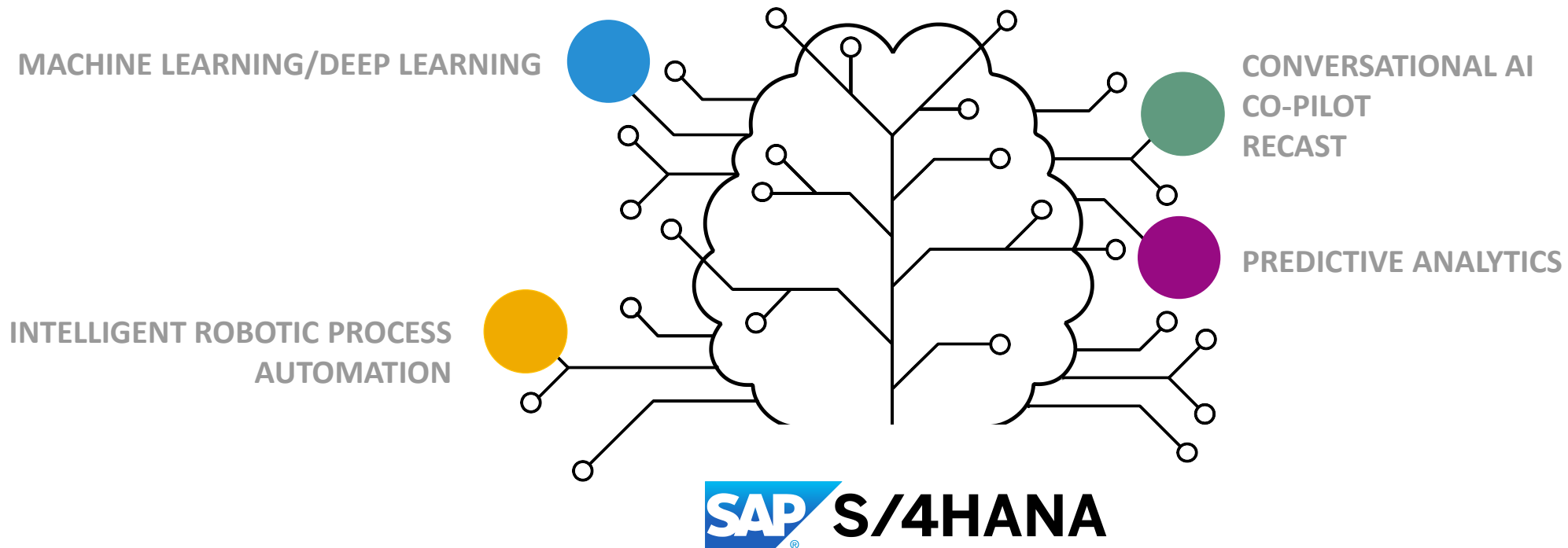
# The Current Pillars of Government of Canada Innovation

## A Digital Government Must ‘Connect the Dots’ Across 5 Key Service Domains



# Artificial Intelligence Will Help Deliver Personalized Constituent Services

Fuel future **process innovation** with artificial intelligence and boost the **FMT/eProc/...** transformation value

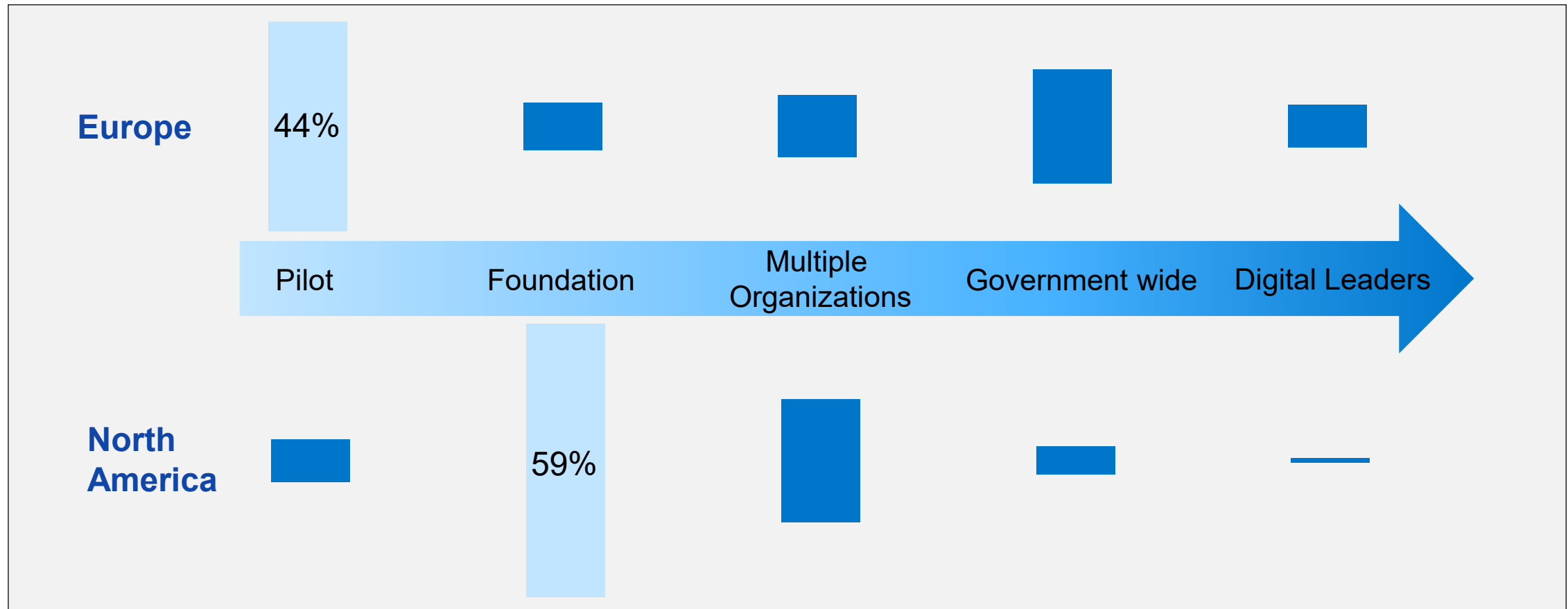


# Machine Learning Use Cases

Existing and planned machine learning use cases for SAP S/4HANA\*



# Our Challenge: Scale Digital Transformation from Siloed Projects to Being a Socially Resilient Digital Government



Source: IDC - Western Europe, Digital Government Benchmarking, 2016  
Maturity Scape Benchmark Survey, June 2016

“In the age of smart phones, social media and apps that do everything, Canadians expect their government to serve them as seamlessly and as well as they’ve come to expect from the best digital service providers. **Government exists to improve the lives of people**, and a digitally enabled public service gives us an unprecedented opportunity to improve government services.”

The Honourable Scott Brison, President of the Treasury Board and Minister of Digital Government

# Case Studies

# The Path to Digital Government: Public Services Transformations in Canada



## Enabling a Digital Supply Chain

Reimagine the role of a digital supply chain in a world of cyberwarfare



## Enabling Integrated Processes

Expanding digital capital project management and introducing a modern data platform while preparing to move to the cloud



## The Path to Digital Government

Full electronic procurement modernization of Government while transforming end-to-end finance operations



## Transforming Driving & Auto Insurance in Quebec

Enable digital driver license, insurance offerings and other digital citizen services while introducing a full Digital Core



## Enabling 'The eCity'

Enabling Social Procurement and Talent Management modernization with an enterprise approach



## Providing Digital Constituent Services

To Provide all Province services to citizens through a digital channel in the next 10 years.

# How might we improve International Trade? – Parcel Journey





# National Disability Insurance Scheme

## How might we better support Australians with disability, their families and carers?



### Organization

National Disability Insurance Agency

### Location

Canberra, Australia

### Industry

Public Sector

### Services

Supports and services for people with disability

### Trial User #

35,695

### Employees

854

### Budget

\$2.4B (€1.6B)

### Website

[www.ndis.gov.au](http://www.ndis.gov.au)

### Partner

SAP Services

## Objectives

- Give people with disability better access to personalised, high quality and innovative supports and services.
- Enhance the independence, social and economic participation of people with disability and their carers.
- By 2019, the NDIS will support 460,000 Australians with disability.

## Benefits

- End-to-end process support from Gateway to Planning and Assessment to Delivery of Supports.
- “myplace” portal for participants and providers to view plans, request payments and manage services.
- Public-facing website with dynamic content management.
- Integration with Esri for location-based services (e.g. find a provider near me).
- Authentication via myGov whole-of-government services access portal.
- Delivered within 12 months from prototype to production.

## Personalized

User experience with standard software at the backend.

## Innovative

Participant self-service with natural connection to providers.

## Agile

Delivered within 12 months for a new agency implementing new legislation.

## NDIS trial – on time and on budget

Posted on 18 September 2016

The NDIS Quarterly Report for April-June 2016 - the last of the three-year trial period - showed \$2.4 billion had been committed to help people with disability across the country, with 35,695 participants successfully joining the Scheme since July 2013.

Highlights of the quarterly report include:

- \$2.4 billion committed for participant support costs
- 35,695 participants in the Scheme
- 53,423 plans approved (including successive plans)
- Survey of participants - 95 per cent of people's experience either good or very good.
- 3519 registered service providers
- 50 per cent of active participants received disability services for the first time
- The largest amounts overall - \$577 million - has been paid for assistance with daily life at home, in the community, education and at work.

### Organization

Department of Human Services

### Location

Adelaide, Australia

### Industry

Public Sector

### Services

Social welfare payments and services, public health insurance and child support

### Customers

7.3 million

### Employees

34,890

### Budget

\$165B (€111B)

### Website

[www.humanservices.gov.au](http://www.humanservices.gov.au)

### Partner

In-house

## Objectives

- Detect potential fraudulent claims and prevent them going through to payment.
- Identify cases where fraud has already occurred and launch an investigation.
- Encourage self-correction and improve compliance.

## Benefits

- Data matching based on various risk parameters (e.g. multiple accounts linked to a single identity).
- Service profiling triggered by change of circumstances (e.g. update of payment destination).
- 360 degree visualization (e.g. analysis of customer relationships to identify high-risk cohorts).
- Interventions to encourage compliance (e.g. SMS confirmations and reminders).
- New scenarios able to be deployed within days/weeks, rather than weeks/months.

## Roadmap

- Similarity analytics to identify outliers within a cohort (e.g. unexplained wealth).
- Geospatial analytics to identify people claiming emergency benefits who are outside the affected area.
- Simulation to determine the potential impact of an event (e.g. shutdown of a major employer).

## \$1.7 billion

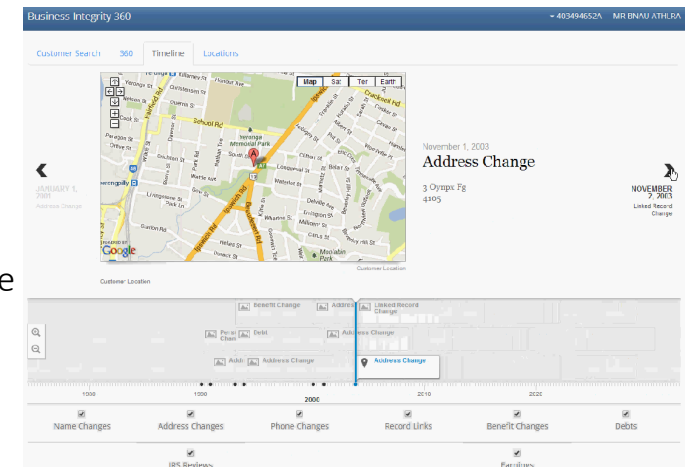
Estimated welfare fraud discovered through data matching.

## 110 million

Records analyzed for potential fraud/compliance issues.

## 3 seconds

To build a complete timeline for a person of interest.



# Department of Human Services

## How might we better investigate cases across departments?



**Organization**  
Department of Human Services

**Location**  
Adelaide, Australia

**Industry**  
Public Sector

**Services**  
Social welfare payments and services, public health insurance and child support

**Customers**  
7.3 million

**Employees**  
34,890

**Budget**  
\$165B (€111B)

**Website**  
www.humanservices.gov.au

**Partner**  
SAP Services

### Objectives

- Manage investigation of potential fraud and non-compliance.
- Replace aging legacy system.
- Build on the foundation of SAP CRM to develop an end-to-end view of customer interactions.

### Benefits

- Reduced the processing time from case creation to referral for prosecution.
- Improved data integrity and better protection for the chain of evidence.
- Ability to focus limited resources on the most serious cases.
- Increased collaboration between investigators and caseworkers.
- Full compliance with Australian Government Investigations Standards.

**\$130 million**

Recovered annually through investigations.

**2,346**

Investigations into fraudulent activity in FY15.

**4 months**

Project duration from kick-off to production.

The screenshot displays the Centrelink case management interface. At the top, the Centrelink logo is visible. Below it, the case title is 'Investigation Case: 1000000178, John Doe - Mr. John Doe - <CRN> - 23.09.1956 - 21 Jump Street / Sydney NSW 2000'. The interface is divided into several sections: 'General Data' (Type: Investigation Case, ID: 1000000178, Description: John Doe, Benefit Type: NSA, Customer CRN: 100000002, Review Type / Review Reason: Tip Off, Review ID: 7), 'Processing Data' (Status: In Process, Stage: Information Evidence Gathering, CCR Profile Indicator: High Anticipated Debt, Priority: High, Security Level: Non-classified, No. Days Since Stage Change: 2, Austrac Indicator: ☐, CCTV Footage Obtained: ☐), 'Main Parties Responsible' (Employee: 1100000510, Ann Hallgarth, Group: 100000004, SOFTTEAMVIC SOF Team VIC, Organisation: 100000002, Centrelink Centrelink, Main External Reference: ), 'Dates' (Start of Case: 14.06.2011, End of Case: 15.24.00.00), 'IRS Referral Details - to be moved to new assignment block' (Who Identified: MAJ, Review Method: MAJ, Referring User ID: 005, Review Origin: AUS), and 'Number of Related Entities'. The 'Summary' section is currently empty.

# Office of State Revenue

## How might we enable Personalized Taxpayer Services?



### Organization

Office of State Revenue,  
Queensland

### Location

Brisbane, Australia

### Industry

Public Sector

### Services

Collection of taxes and  
royalties, administration  
of first home owners grant

### Customers

2 million

### Budget

\$17B (€10.7B)

### Website

[www.treasury.qld.gov.au/  
taxes-and-royalties](http://www.treasury.qld.gov.au/taxes-and-royalties)

### Partner

SAP Services

## Objectives

- Leverage Machine Learning capabilities and vast array of data owned by OSR to provide early indicators of land taxpayers not having the capacity to pay.
- Enable root cause analysis to reduce debt propensity through earlier notice and targeted interventions.

## Benefits

- Insights into the taxpayer journey; Real-time segmentation/risk profiling.
- Support evidence-based decision making on the next best action
- Ability to apply targeted interventions.
- Visibility of how effective interventions have been.
- Measure effectiveness of processes and their success rates.

## Roadmap

- Production project currently underway.
- Improve debtor prediction rate.
- Apply across all tax types to reduce total liabilities.

## 10 weeks

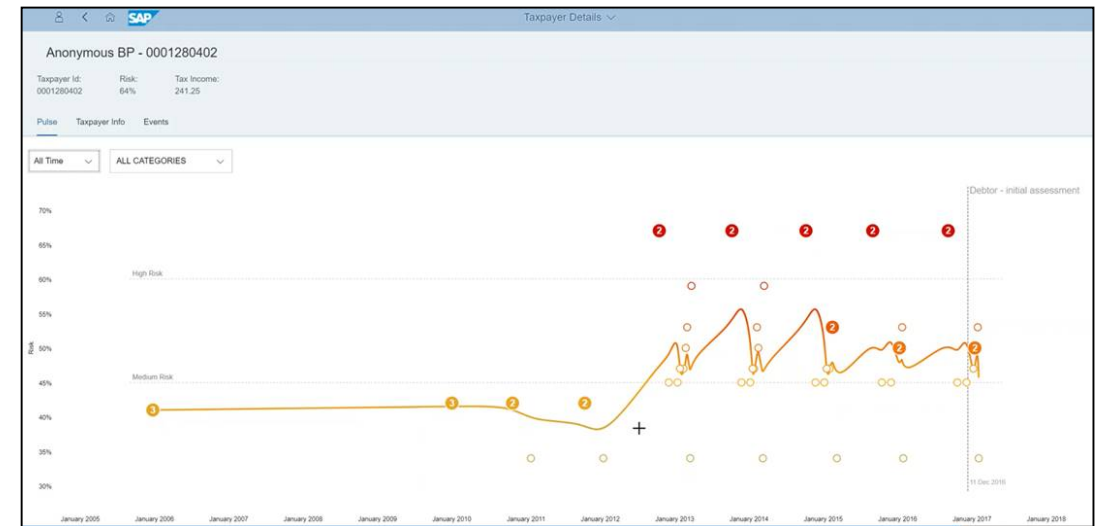
From idea generation to delivery of prototype.

## 187 million

Records analysed across 97,000 taxpayers.

## 71%

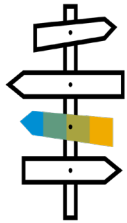
Debtor prediction rate from trial.



**Closing thoughts**

# How to **get started** with SAP? – How might we reimagine public value?

Whether you're still exploring new ideas or have defined one in detail already...



## Explore Workshop

Identify and prioritize your business challenges.



## Accelerate

Draw on our library of industry innovation kits to address common value propositions.



## Design for the Future

Use a guided process to reimagine the future lives of Canadians



## Bring Your Own Idea

Bring a defined idea, and we'll support

# Transformation Leaders Panel



Public Services and  
Procurement Canada

Services publics et  
Approvisionnement Canada



Treasury Board of Canada  
Secretariat

Secrétariat du Conseil du Trésor  
du Canada

Thank You.



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