

Let's take the Government of Canada on an AI journey

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A little about me...

- SVP National Capital Region, CGI
- Board Member, Mila
- Former EVP and CIO, CDPQ
- Former VP, National Bank Financial

Today's session will cover....

01

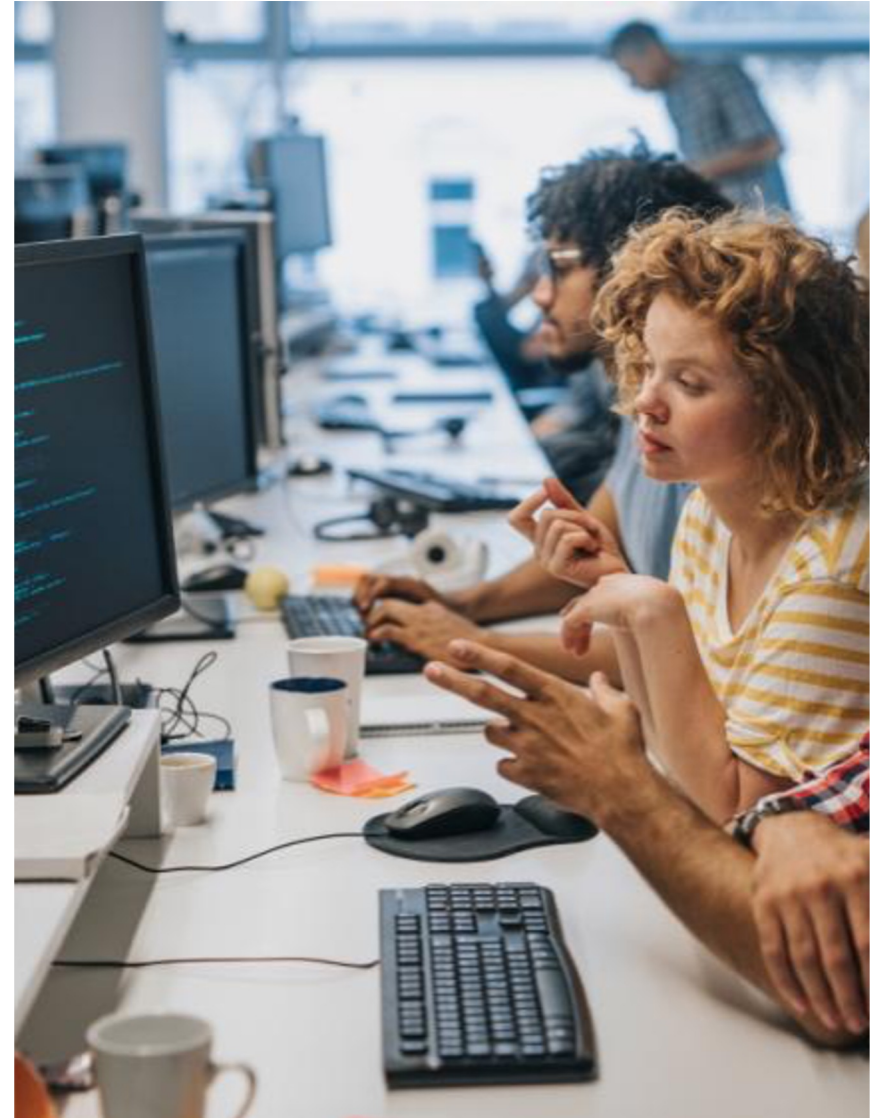
The evolution of AI and where it's headed

02

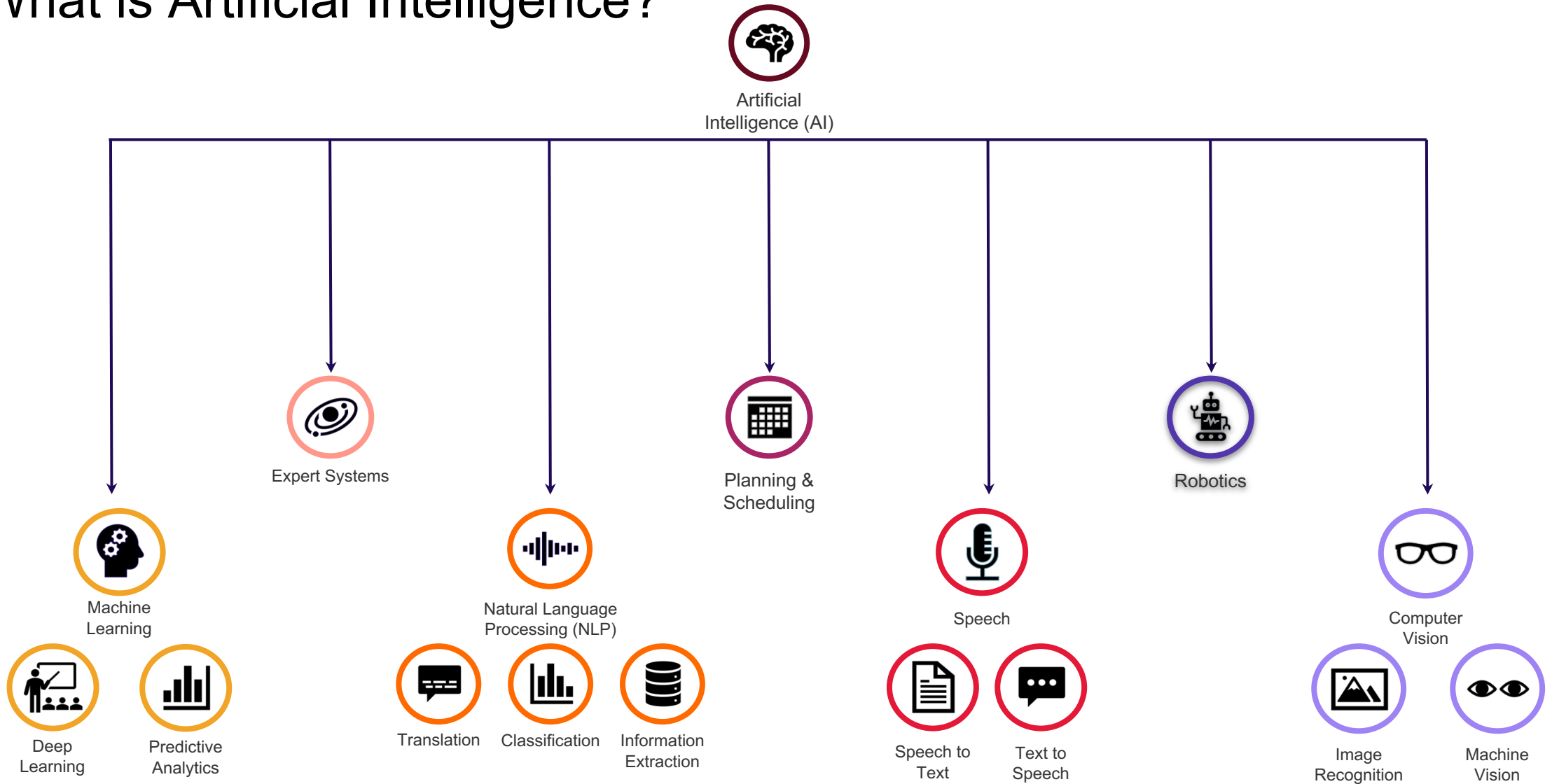
The steps needed to build the fundamental elements of an AI strategy

03

How to avoid pitfalls often seen in the public sector



What is Artificial Intelligence?



What is Artificial Intelligence?

From automation to creation

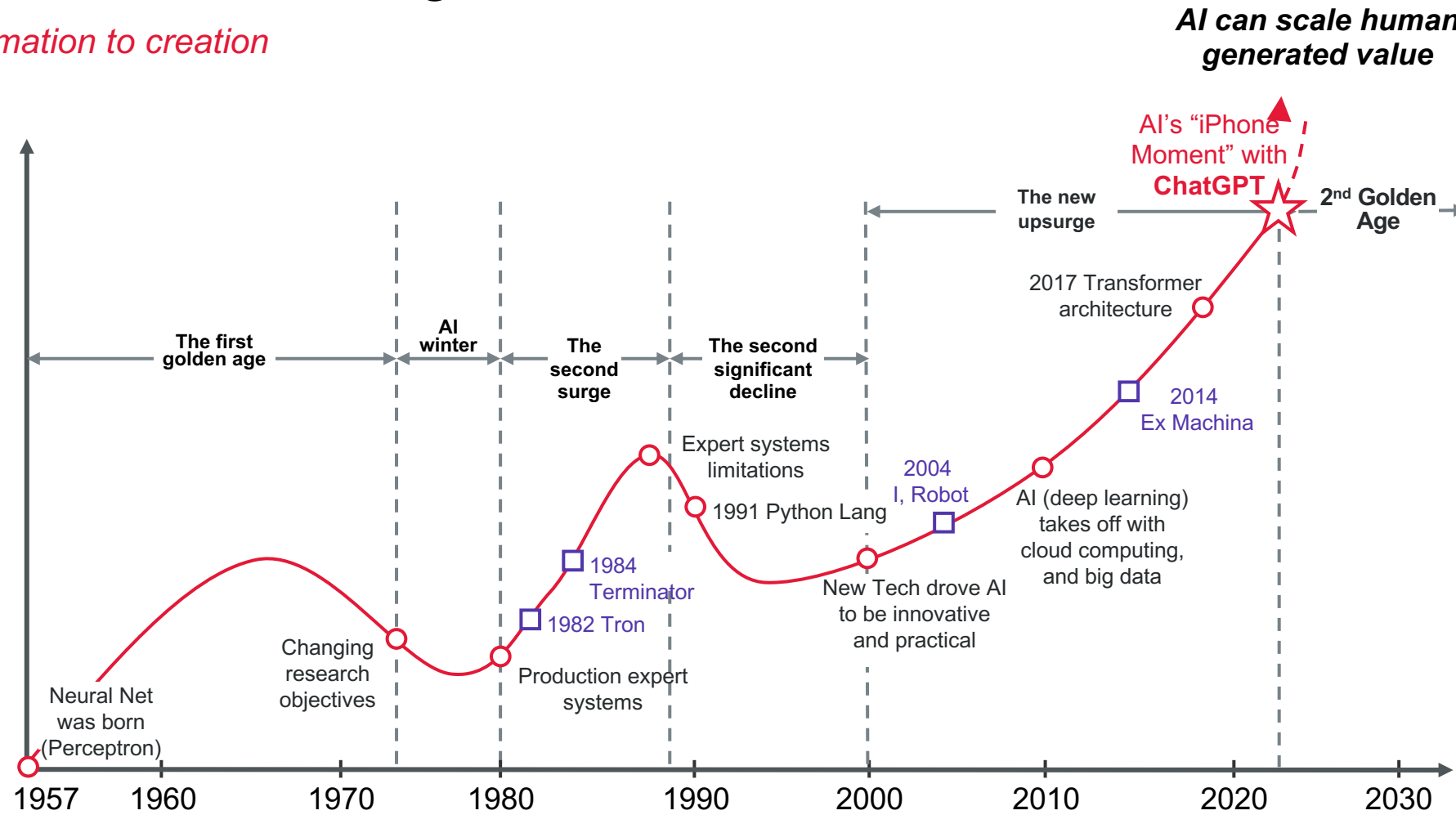
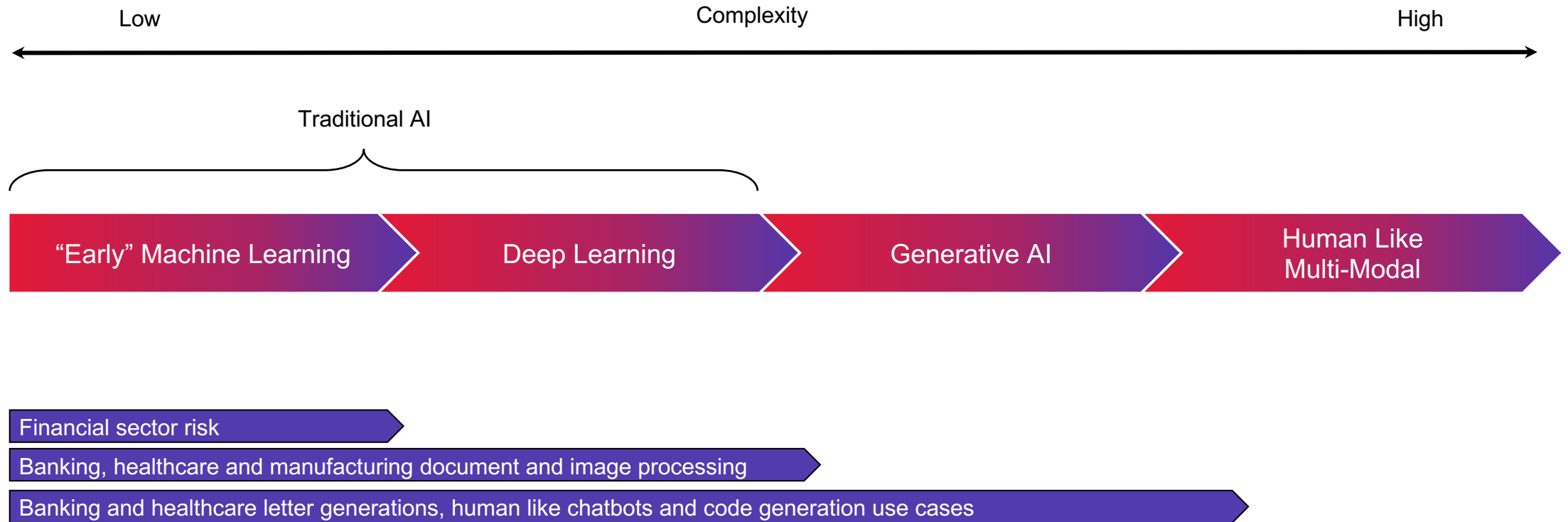


Figure adapted from the "Reflection of the development history of AI," published in the article "Artificial Intelligence in Product Lifecycle Management" by Wang et al. in 2021

AI technology continuum



Generative AI has changed the narrative



Era of Foundational AI

- Narrower enterprise impacts
- Automation/RPA
- Conversations with Chief Data Officers and AI enablement teams
- Months to value
- Higher skilled labour needs (data scientists and AI researchers)
- Higher costs (data preparations, model training)
- Specialized models

Age of Generative AI

- Full enterprise impacts across all operations
- Scaling human operations and automation
- Conversations with C-Suite and leadership teams
- From days to months to value
- Lower bar for labour where communication and problem-solving skills become paramount
- Lower costs of entry with every vendor planning for or releasing GenAI-based functionality
- Multi-modality – generate all digital data types

Leveraging AI for your organization

A practical guide for strategy through execution



#1 Build a responsible strategy



Principles

Leverage the scientific merit process and create a Code of Conduct for Artificial Intelligence; principles of transparency, bias, privacy, security and moral responsibility should be defined at each stage of the engagement.



Risks

Traditional methods of risk analysis can no longer handle the ever-increasing volume of data, especially in volatile regulatory environments. A formal risk analysis needs to be conducted, tying the use of AI back to its intended purpose.



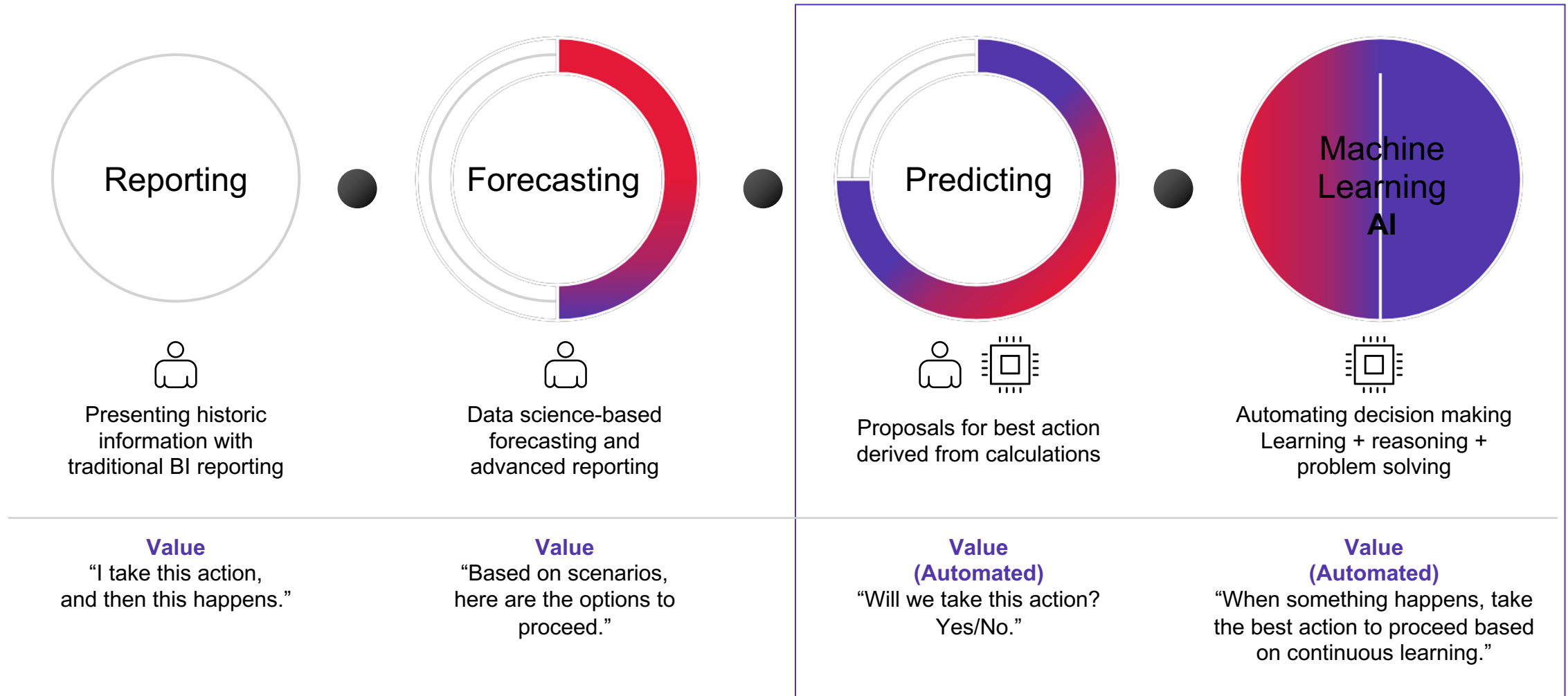
Mitigation techniques

Tools (methodological, technical, strategic) that ensure principles of ethical AI are upheld by mitigating risks identified

CGI's ethical AI framework is aligned with the GC's requirements for the responsible use of AI, and international best practices



#2 Adopt advanced business analytics focused on outcomes



#3 Take the leap and mitigate your risk

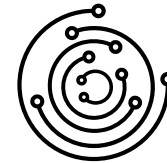
It is no longer whether organizations should leverage AI...



AI value creation potential

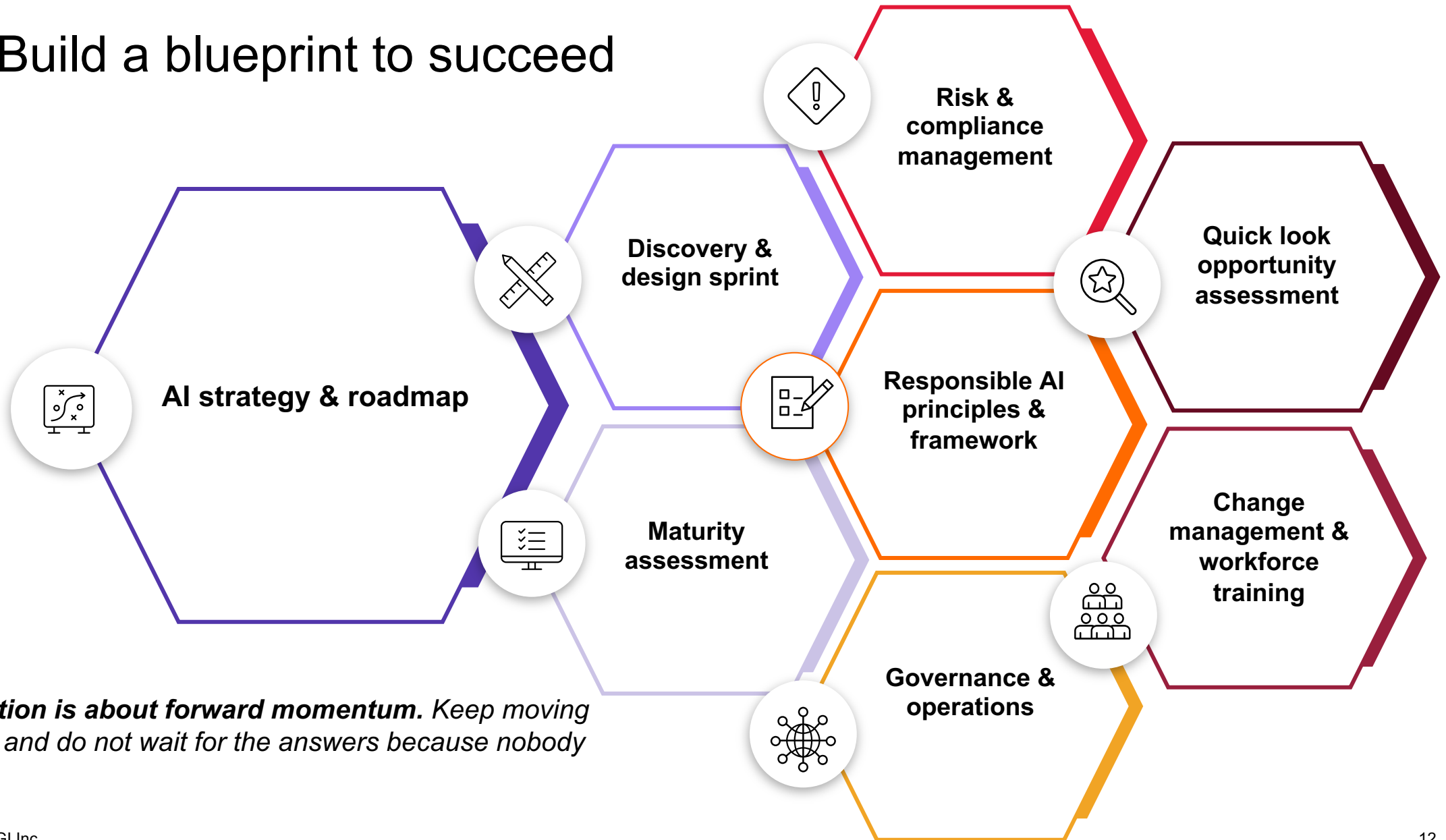


Growing AI investment



Accelerating implementation

#4 Build a blueprint to succeed



AI adoption is about forward momentum. Keep moving forward, and do not wait for the answers because nobody does.

#5 Cover your bases

A GoC enterprise approach should consider these four pillars



Operational excellence

KPIs

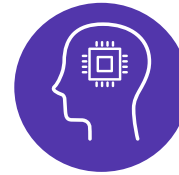
- # of AI workers (models/bots)
- % of automation
- \$ Savings / use case



Training & teaming/ talent capacity & capability

KPIs

- Number of members trained
- % of LOBs is leveraging AI workers



Foundational capabilities

KPIs

- % Data quality metrics
- # Closed loop analytics
- # Change management metrics
- % Foundational model based usage / use cases

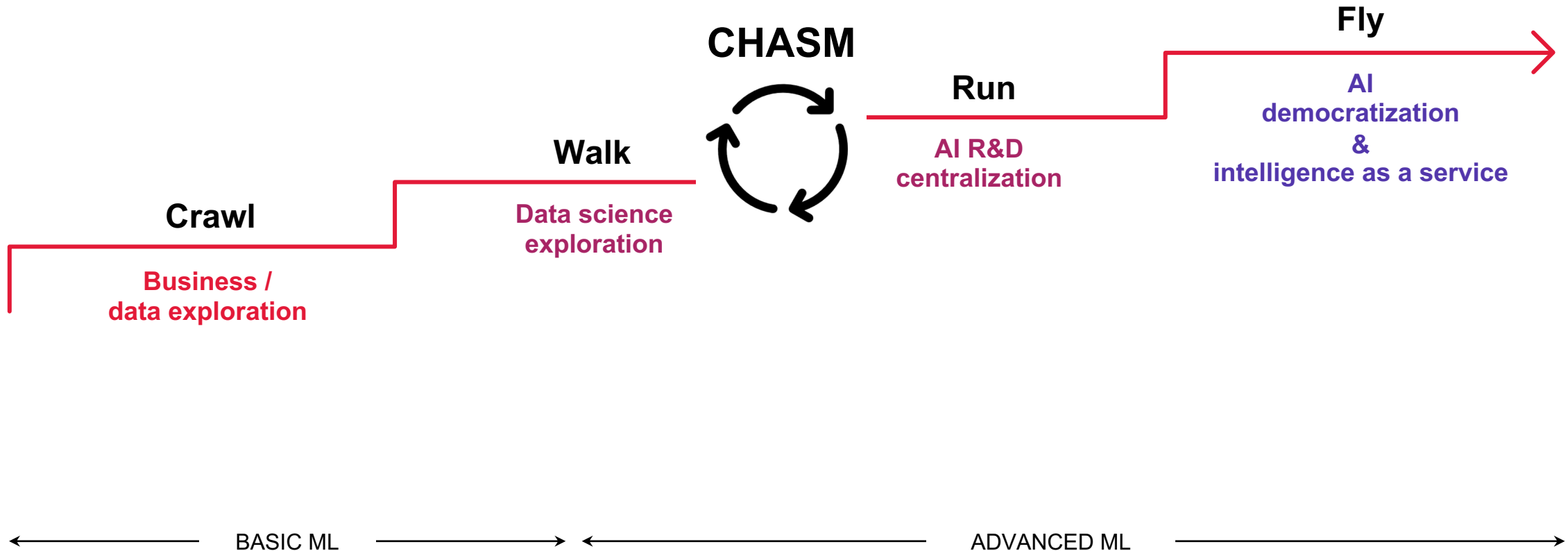


Solution/use case development

KPIs

- # of LOBs leveraging AI and # use cases
- Innovation metrics
- \$ Savings / use case

#6 Walk before you run



#7 Ensure your AI program is set up for success

Before investing, ensure the business case supports the plan. Is your data capable? Have you modelled these capabilities? Can you deploy?

Leadership commitment

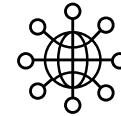
Shift in people mindset to reimagine a business problem solution with a data lens



Data



AI/ML talent



Flexible AI platform

Recap and key takeaways

01

Build a responsible strategy

02

Adopt advanced business analytics focused on outcomes

03

Take the leap and mitigate your risk

04

Build a blueprint to succeed

05

Cover your bases

06

Walk before you run

07

Ensure your AI program is set up for success

Our commitment to you

We approach every engagement with one objective in mind — to help clients succeed.





Final thoughts

AI adoption is about forward momentum, keep moving forward and do not wait to have all the answers because nobody does.

Thank you and questions



Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

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