



# ENVIRONMENT AND CLIMATE CHANGE CANADA'S DATA AND ANALYTICS STRATEGY IMPLEMENTATION

Jamie Smith, Chief Data, Results and Delivery Officer  
February 18, 2021



Environment and Climate Change Canada's 50<sup>th</sup> anniversary  
50<sup>e</sup> anniversaire d'Environnement et Changement climatique Canada

Meteorological Service of Canada's 150<sup>th</sup> anniversary  
150<sup>e</sup> anniversaire du Service météorologique du Canada



Canada

# ECCC is a science based department with an abundance of scientific and regulatory and other data.....

Mandate...to minimize threats to Canadians and their environment from pollution, to equip Canadians to make informed decisions on changing weather, air, water and climate conditions, and to conserve and restore Canada's natural environment for present and future generations.



[Open.Canada.ca](https://open.canada.ca)



50<sup>e</sup> anniversaire d'Environnement et Changement climatique Canada  
Environment and Climate Change Canada's 50<sup>th</sup> anniversary

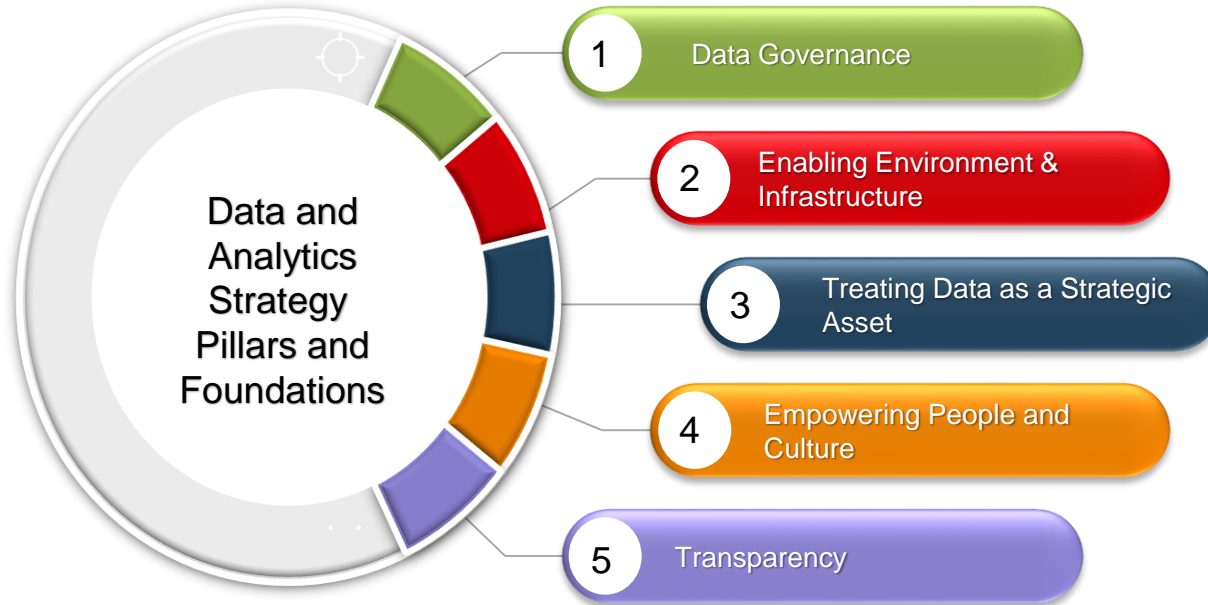
150<sup>e</sup> anniversaire du Service météorologique du Canada  
Meteorological Service of Canada's 150<sup>th</sup> anniversary



[Wateroffice.gc.ca](https://wateroffice.gc.ca)  
[Weather.gc.ca](https://weather.gc.ca)  
[Open.Canada.ca](https://open.canada.ca)

## ...that underpins its ability to deliver on its mandate

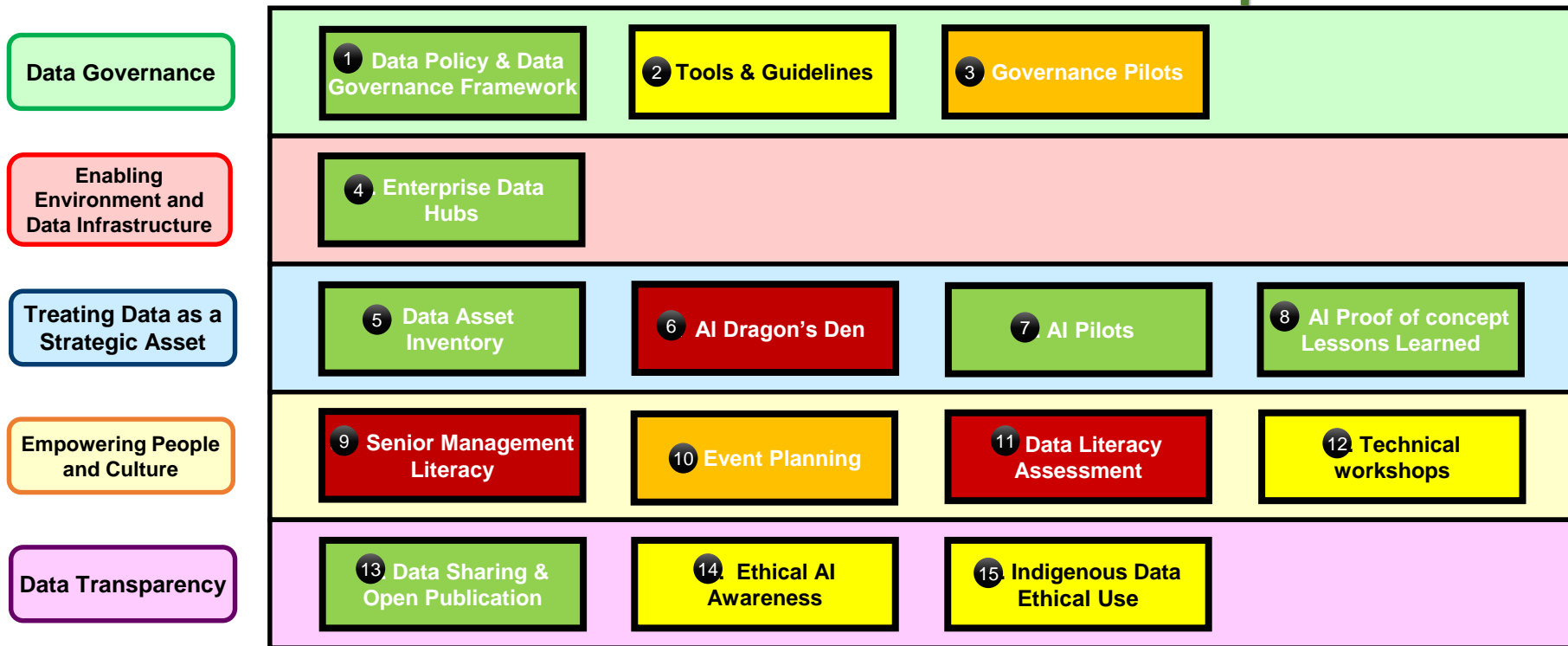
# ECDC's Data and Analytics Strategy (DAS) is designed...



...to address all key aspects of data within the department

---

# ECCC's DAS Action Plan is tailored for the Department



## STATUS KEY



Good. Ongoing monitoring, refinement, and reporting necessary.



Mixed. Progress being made but results not yet available.



Challenging due to COVID.



Delayed due to COVID

# Key Messages

- ❑ ECCC, like many organizations, has a long history with strong data management practices particularly in scientific and operational programs; however, other parts of the department are catching up
- ❑ Implementation of the ECCC Strategy is progressing well overall, though some challenges exist largely due to COVID context
  - ❑ Data literacy/change management is a key factor, including senior management support, and is critical to the success of the a data strategy
  - ❑ Linking IM/IT and data priorities is key to ensure appropriate resourcing
- ❑ There is a growing need for employees with data skills including data management, analytics and science (AI)
- ❑ Canadians are not always aware of where to find federal data, particularly new stakeholders who are new to the data game