



“Data Analytics & Dashboards Drive Financial Transformation at Statistics Canada”

Sean Kew

Chief - Finance Business
Transformation, Statistics Canada

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* Today's workshop is equivalent to 1.5 CPD Credits

Sean Kew



Sean works as a unit head within the Business Transformation team as part of the Finance Branch at Statistics Canada. Sean has been working at Statistics Canada for 15 years, 10 of which have been spent on large transformational projects, the most recent project involving Statistics Canada's Finance Branch's analytics and business intelligence journey. Sean has significant experience with data discovery, data transformation and data modeling and has worked over the years to share easy to understand analytics tools and skills with as many people as possible.



Self-Serve Business Intelligence for Finance

Unleashing the Finance Community's Potential
with Data & Analytics



Delivering insight through data for a better Canada



Statistics
Canada

Statistique
Canada

Canada

AGENDA

1. Our approach & journey so far
2. Where we're going next
3. Demos

OUR APPROACH – DATA ANALYTICS FOR ALL



People and Culture

- Champion as a lead change agent
- Break down barriers
- Build a Community of Practice
- Host special events
- **Make it Fun!**



Modern Tools and Methods

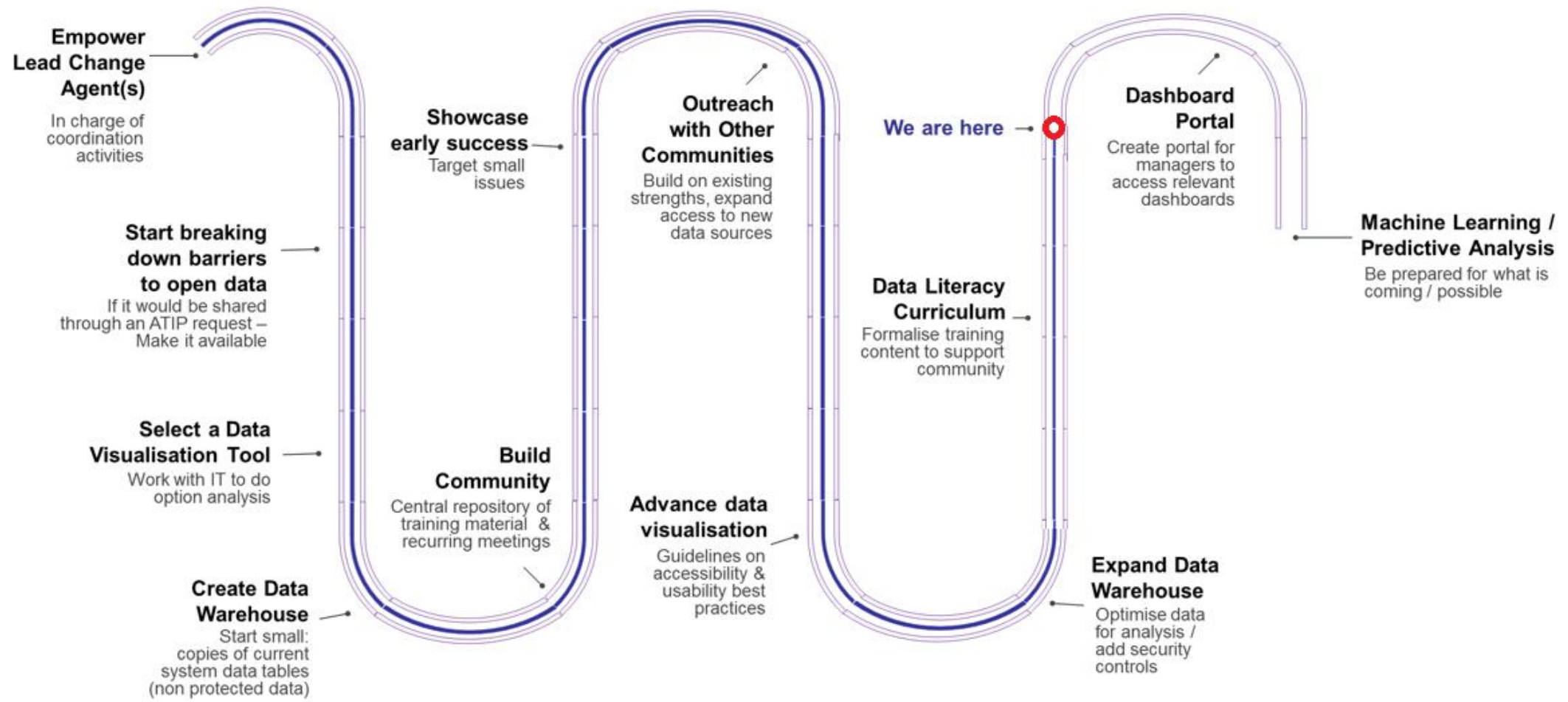
- Need for self-serve BI & data visualisation;
- Modern Methods for Data Transformation, Linkages, Data Integrity / Validation, Statistical Concepts, Data Visualisation / Storytelling



Data Architecture

- Finance data is often structured & can be stored in databases
- Importance of a data depot
- Document your Master data and ensure a single source of truth
- Open by default when information is not protected or sensitive

OUR JOURNEY SO FAR



WHERE WE'RE GOING NEXT

1. Cloud Migration

- Shift all of our data & business processes to the cloud
- Integration opportunities - moving beyond just Finance data

2. Enterprise Business Intelligence Project

- Business Problem: Enterprise Data is not readily available to support key decision making functions and does not flow efficiently and purposefully (back and forth) between employees and managers.
- Solution Vision: Through a new modern corporate platform and the strategic management of Enterprise Data, Enterprise BI will provide a one-stop shop of timely, accurate and relevant business intelligence to support evidence-based decision-making throughout the Agency.

ENTERPRISE BUSINESS INTELLIGENCE

100

Outcomes

Enterprise Data is available to and used by Statistics Canada

Managers gain near real-time insights into many aspects of their Business

Enterprise Data is used to make timely strategic & operational decisions

Employees & Managers feel supported, equipped & empowered

Digital adoption strategies across the agency are better enabled

Outputs

Citizen Developed Apps

Virtual Work Mgt Solution

Dashboards

Data Models

Operational Reports

Self-Serve Analytics & Exploration

Ongoing Data Intake & Sharing

Cloud Based Portal leveraging Personas for Content Delivery & Security

Enterprise Data Repository

Activities & Data Inputs

Data Discovery, Transformation, Ingestion & Modeling

Agency Logic Model & Branch / Mod Roadmaps

- Mandate Letter Objectives
- Strategic Areas of focus
- Branch Roadmaps
- Action Plans / Activities to meet Branch Roadmaps
- Activity Tracking (JIRA etc)

Finance

- Financial Systems
- Finance Metadata (GL: FRC, PE, OE, PAA etc)
- Corporate Planning
- Performance Measurement
- Procurement
- Financial Reviews
- Fin Operations & Revenue
- Project Management
- Finance Analytics

HR

- HR Systems
- HR Metadata (employee information, positions etc)
- Staffing
- Classification
- Compensation
- Learning
- HR Analytics

Employee Master Data

- Personas
- Assets & Work Location
- Access information (Active Directory, CARS, GCDOcs, M365)
- Time & Leave
- Position History
- Education, Language and Performance Profile

Client Relations & Partnerships

- CRM & Dynamics
- Contracts
- Revenue & Billing
- Outreach Activities & Client Satisfaction
- Strategic Partnerships

Governance, Risk & Compliance (GRC)

- Corporate Committees, action items & RoDs
- Corporate Risks & Mitigation Strategies
- Policy Framework aligned with P-Suite

Subject Matter Indicators

- Statistical Metadata Views (Surveys, Data Assets, Products, Releases, IBSP, Common Tools, Dissemination etc)
- Statistical Indicators (Timeliness, GSBPM performance etc)
- Other business performance indicators

Daily Operations

- Request workflow & approvals: Purchase, Travel, Learning, Schedule & Leave, Staffing, Onboarding, Equipment (?), Software (?) & Access
- Project Management Approvals
- Governance Action Items
- Ad-hoc Approvals & Workflows



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DEMOS

1. Basic data model from scratch
2. Accounting Operations – Invoice dashboard
3. Project Management dashboard