



# **CDO Summer School – A Student's Journey**

**July 10, 2024**

**Captain Brian Erickson, United States Coast Guard**

# 11 Statutory Missions

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Search and Rescue



Migrant Interdiction



Marine Environmental Protection



Marine Safety



Defense Readiness



Living Marine Resource



Ports, Waterways, and Coastal Security



Ice Operations



Other Law Enforcement

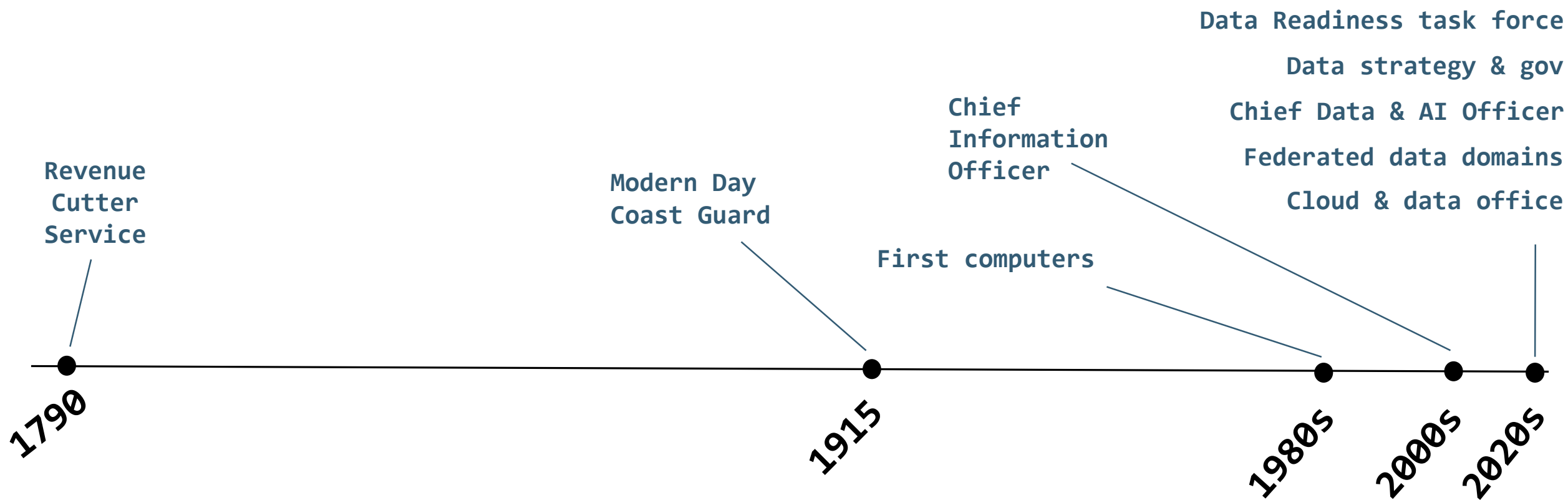


Drug Interdiction



Aids to Navigation and  
Waterways Management









*"We've never been in greater demand around the world..."*

*"Our operational success, in every mission is more closely tied to data than at any time in our history."*

-Admiral Linda Fagan,  
Commandant USCG

# Sharpen our Competitive Edge

Leverage data as the catalyst to fuel the Coast Guard's strategic advantage.



Strengthen data enablement

Deliver AI-ready data

Develop a data literate workforce



# Coast Guard tomorrow

Service empowered by data and technology to make the right decisions at the right time.



Fundamental changes in the character of operations.



# Data & AI In USCG Operations



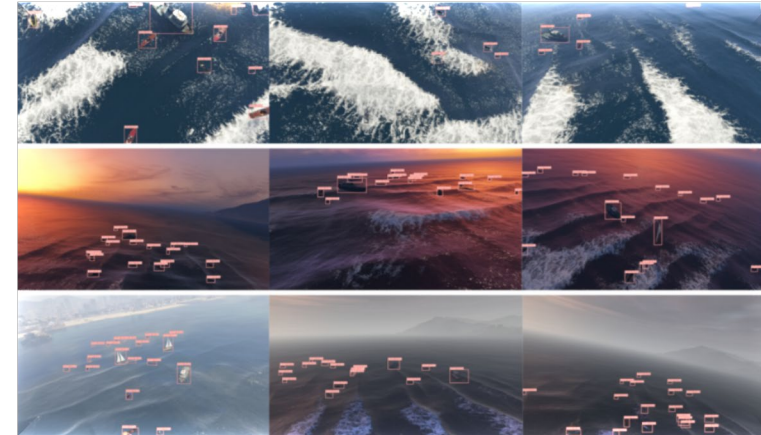
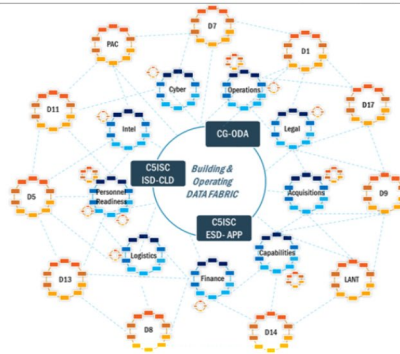
# Coast Guard Data & AI Initiatives



## DATA & ANALYTIC TEAMS

### Implementing DATA MESH

- **Data Domains:** Defining lines of business & mission outcomes within certain boundaries
- **Data as a Mission-Ready Asset:** Domains provide 'data as a product' to the enterprise
- **Self-Service Design:** Teams are enabled by frictionless exchange of data with guardrails to ensure security and compliance.
- **Federated Governance:** Distributed teams under unified governance curate data at the speed of mission.



## Workforce Development

### 5 new Data, Analytics, & AI Competencies

- Data Analyst
- Data Scientist
- Data Engineer
- AI/ML Specialist
- Data Steward

### Implementation Plan

- Digital University training pilot
- Competencies - supply then demand





# M/V Golden Ray Rescue





# Tomorrow Looks Different. So Will We.



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