



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Canadian  
Coast Guard

Garde côtière  
canadienne



Safety First, Service Always

# **Fusion2019**

## **Benefits and Challenges of Using AI**

### *Innovating Marine Domain Awareness*

**Stephan King**

July 5, 2019  
Ottawa, Ontario

**Canada**



# Real World Trouble Shooting

## Issues Surrounding the Classification of Data

- Inter-agency/departmental liaison
- Multinational
- Technological Access
- Capacity Training
- Etc.

*“By 2025, 75.4 billion pieces of technology will be connected in one way or another”*

<https://www.statista.com/statistics/471264/iot-number-of-connected-devices-worldwide/>





# ***Utilizing Artificial Intelligence***

Using AI to **improve** information fusion and sharing by accelerating decision making

The increasing demand for speed, efficiency, centralized control, and convenience



Incentives to make greater and more integrated use of information systems



**Artificial intelligence functions as the most obvious way to resolve challenges**

# Bringing Down Barriers



**How do we mitigate or eliminate gaps/barriers through information sharing?**



# Contact Information



Stephan King  
Manager  
Capacity Building &  
Contingency Planning  
Maritime Security and  
Intelligence Canadian  
Coast Guard  
Government of Canada

stephan.king@dfo-  
mpo.gc.ca  
613-991-4503  
343-548-4819 (c)

