

Maritime Domain Awareness

A Waterfront View

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Report Documentation Page

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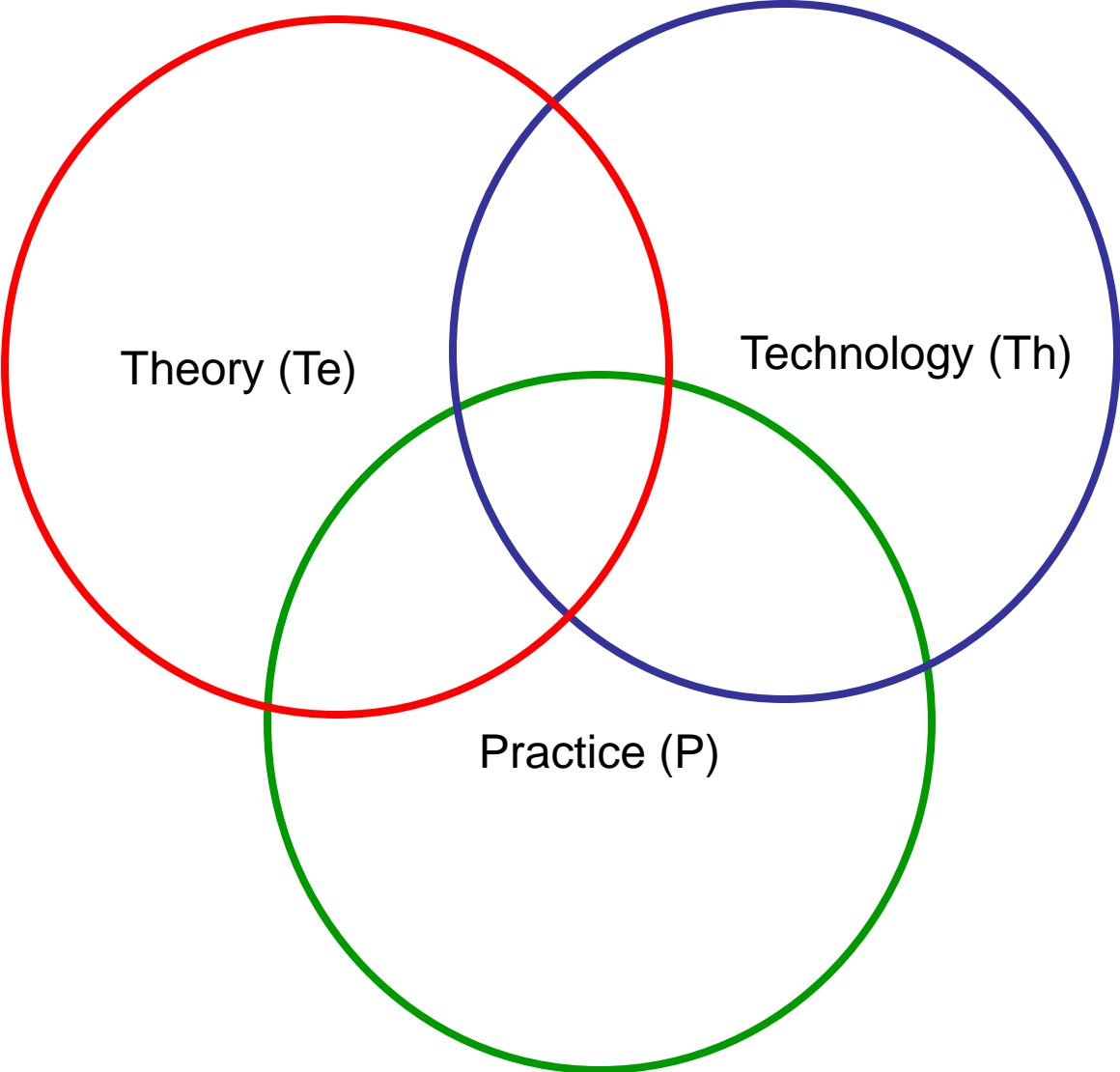
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Key Points

- Defining the problem
- Practical challenges
- A real example
- Your “Desired Outcomes”
 - Questions that need to be asked/answered

The Problem

- Where did this come from?
- How do we describe it?
 - Technological (Te)
 - Theoretical/Cognitive (Th)
 - Practical (P)
- Complicating Factors
 - Geography
 - Mobility
 - Information (Volume & Quality)
 - Perspective
 - Threat/Target
 - Lexicon
 - Etc....



Theory (Te)

Technology (Th)

Practice (P)



Ongoing MDA Challenges

- Managing Information/Intelligence
 - RMP alone is insufficient
 - Info sharing between partners
 - Different and multiple AORs in a single region
 - Surveillance info mandated by regulatory regimes as opposed to a security mandate
 - Require significant intelligence to provide Indications & Warning and support to operations
 - More robust infrastructure required
 - Land domain awareness poor

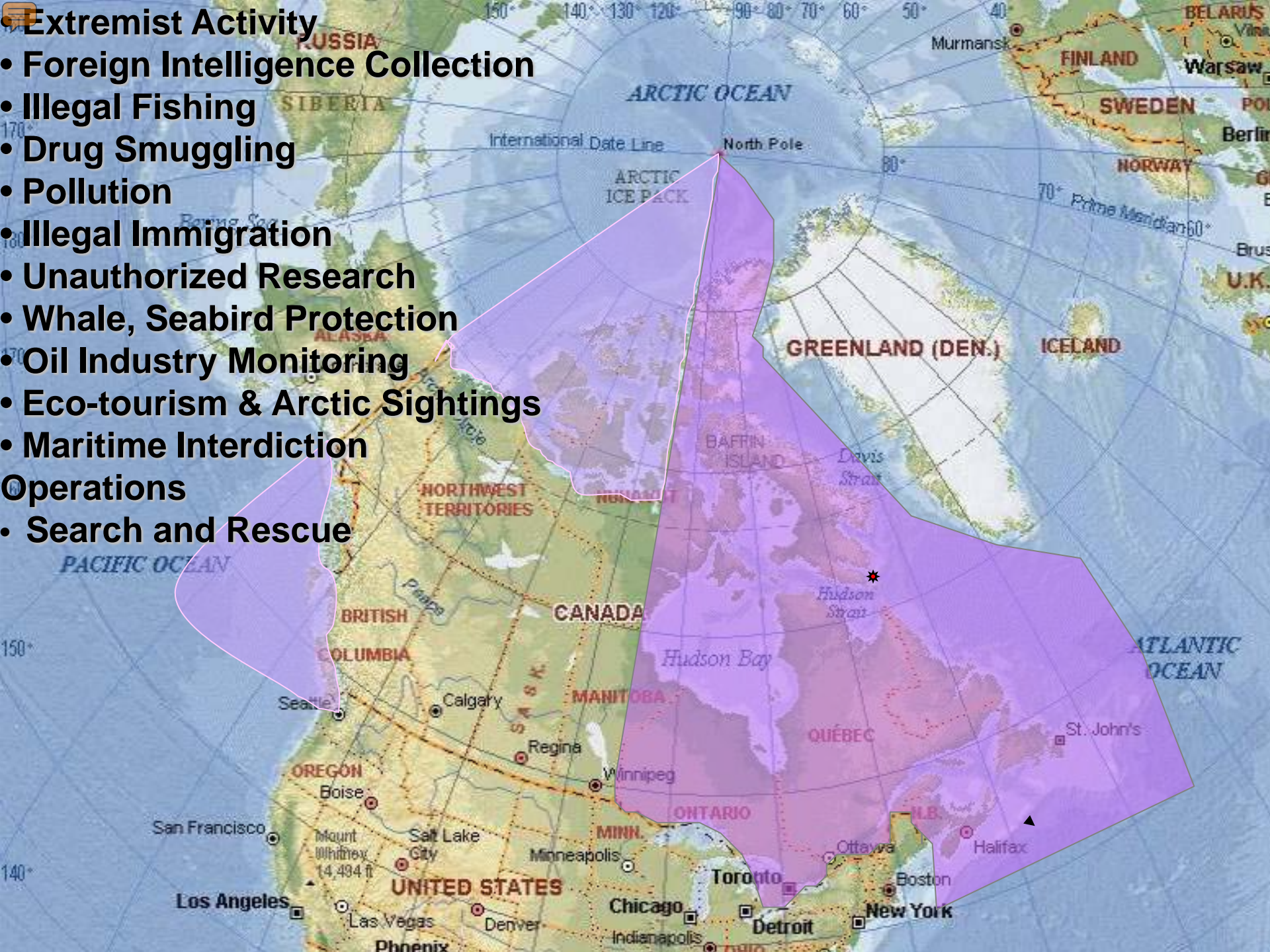


Ongoing MDA Challenges (continued)

- Analyzing Information/Intelligence
 - Develop the “so what” on contacts, companies, people, etc to determine the threat/risk posed by vessels
 - Shift in mindset from regulatory concerns to national security
- Validating Information/Intelligence
 - Validation and verification of the RMP and vessel intentions
 - Lack of active sensors
 - Heavy reliance on others, as opposed to organic, surveillance assets

Extremist Activity

- Foreign Intelligence Collection
- Illegal Fishing
- Drug Smuggling
- Pollution
- Illegal Immigration
- Unauthorized Research
- Whale, Seabird Protection
- Oil Industry Monitoring
- Eco-tourism & Arctic Sightings
- Maritime Interdiction Operations
- Search and Rescue



“Sum Up”

- The more we try to progress this, the more complicated it gets...harder to solve
- Solution rests in the intersection/union of Te, Th, & P...unfortunately I can't offer any more than that
- It's not about a specific target (set), it's about the process
- Questions to ask (answer):
 - What problem are we trying to solve?
 - What does the ops community want/need?
 - What can you realistically deliver?

Questions –
Panel Discussion?