ECRC~SIMEC

Cooperation beyond borders

A Canadian response organisation perspective

Pierre Samson
Region manager

Eastern Canada

- The entry to Canada
  - Large estuary
  - Long river
  - Five great lakes

Eastern Canada

2272 n.m.
from
St-John's,
NF
to
Thunder Bay,
Ont.

Canadian Regime

- Canada Shipping Act (CSA)
  - South of 60^0
  - Based on risk evaluation
  - Primary response by the industry
  - Canadian Coast Guard, the lead agency
    - As Federal Monitoring Officer (FMO), or
    - As On Scene Commander (OSC)
- Arctic Waters Pollution Prevention Act
  - North of 60^0
  - Responsibility of CCG

Risk Areas


Lake Athabaska
Fort McMurray
Lake Winnipeg
Vancouver
Juan de Fuca Strait
Sept-Iles
Quebec
Montreal
Northumberland Strait
Cabot Strait
Holyrood
Come-By-Chance
Point Tupper
Halifax
Saint John
Sarnia
Niagara
10 ports - PAR
4 other areas - ERA

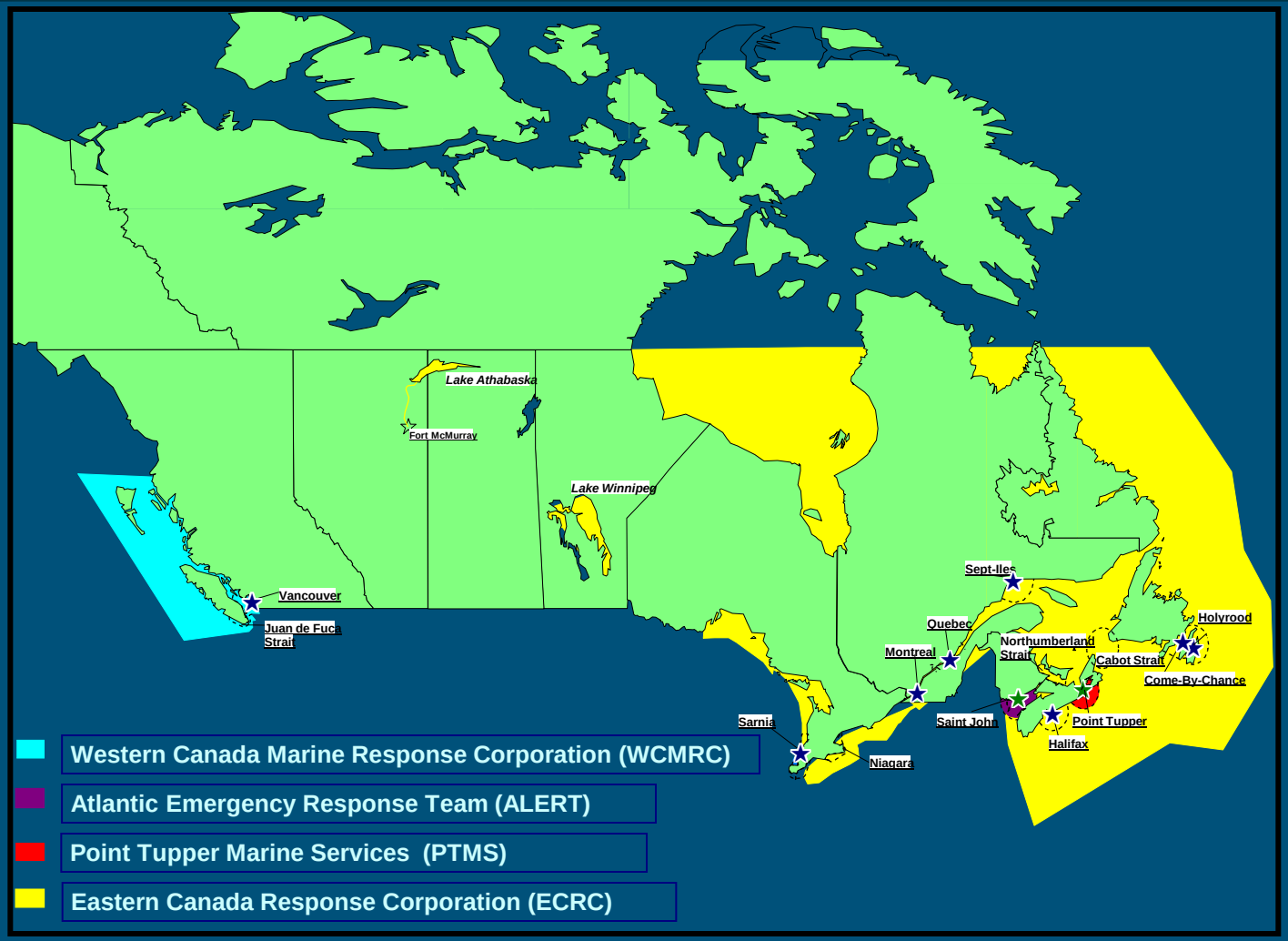
Response Capacity

- Based on risk evaluation
  - Designated port, PAR
- Planning standards
  - Port, 6 hrs max, 150 Tons, deployed
  - Port, 12 hrs max, 1 000T, deployed
  - PAR, 18 hrs max, 2 500 T, on site
  - PAR, 72 hrs max, 10 000T, on site
  - Outside of PAR, 18 hrs, 72 hrs max, plus travelling time, on site

Response Organisations

- Four Response Organisations (RO)
- Certified by Transport Canada
- Cycle of three years
- ECRC~SIMEC, first certification 20 yrs ago

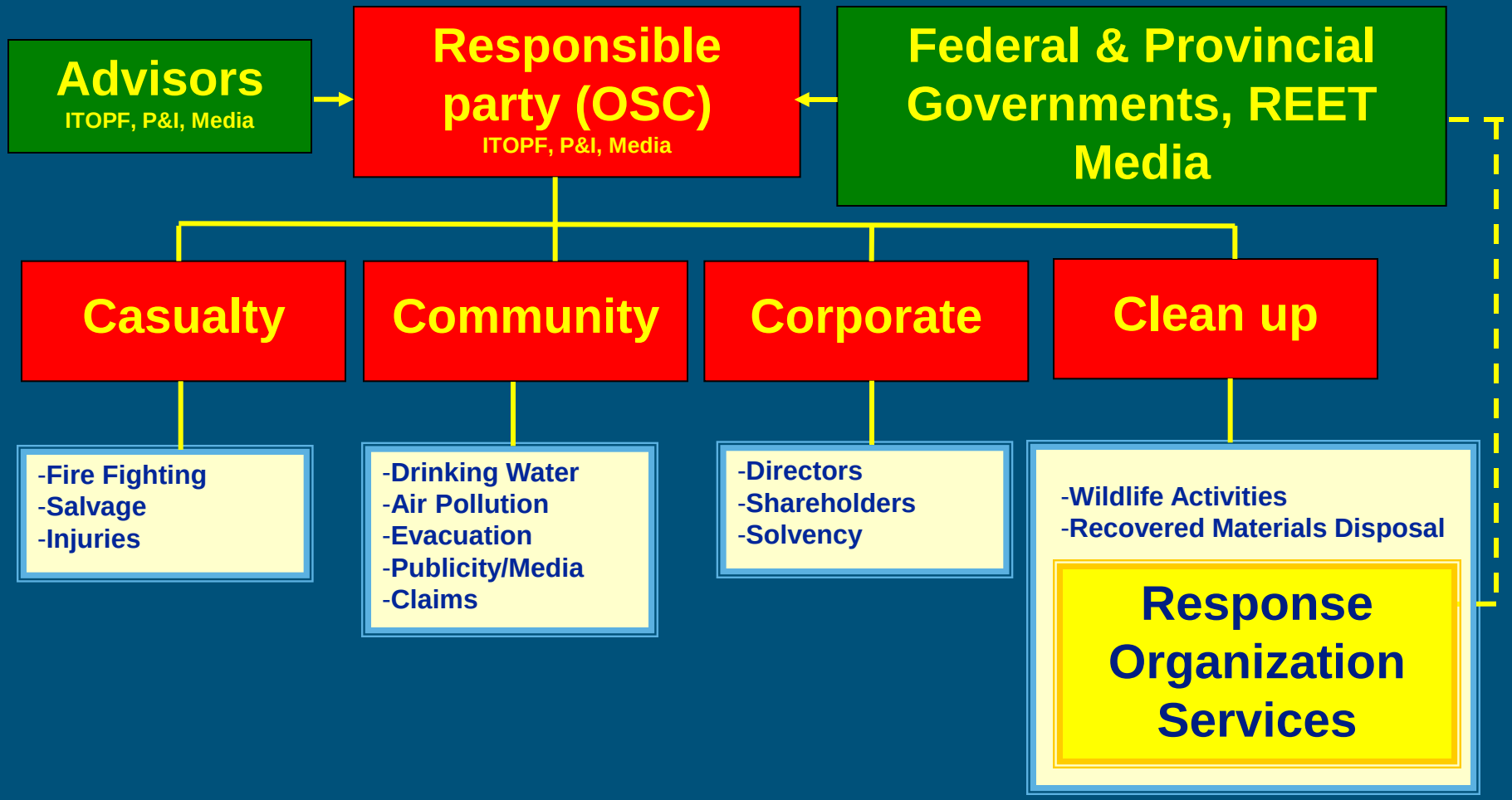
Geographical Area of Response



Role for Members

- Provides a means to meet the regulated requirement for members to have an agreement with a certified RO.
- ECRC provides marine oil spill response services, when requested, to the "responsible party".
- ECRC can provide to the "On-Scene Commander" (OSC) a plan of action, equipment, resources and operational management for an oil spill clean-up effort.

ECRC~SIMEC RP Relationship



ECRC~SIMEC Clients

- >2300 total members
  - >2200 Vessel Members
    (700 Bulk & 1500 Non-Bulk)
  - 87 Oil Handling Facilities Members
  - 22 Subscribers
    (Elective Members Pay an Annual Fee, but no cargo Fee)

Enbridge Pipelines, Montreal Pipe Line Ltd., TransNorthern Pipelines, Hibernia Mgt & Dev. Co. Ltd, Husky Oil, Exxon-Mobil, Suncor Energy, Chevron, MI Drilling Fluids NS, Bruce Power Tiverton, Hydro Quebec, Nova Chemicals (Canada) Ltd., IOL Pipe Line, CN Rail, CP Rail, Pipeline St-Laurent…

ECRC~SIMEC Response Centres

Equipment

- 2,500 tonnes capacity at each of five Response Centres & 3,500 at St. John's, NL.
- Containment, recovery, transfer, clean-up
- Road transportable
- Operators accompany the equipment

ECRC~SIMEC National Inventory

Boats:	100 plus	
Booms:	Sheltered water	54,000 m
	Unsheltered water	6,000 m
Skimmers:	100 plus (Various capacities, manufacturers, sizes)	
Storage:	Solid barges 34 (13,000 m^3 capacity)	
	Flexible barges 30 (3,000 m^3 capacity)	

*NOTE: Most equipment is road transportable and most is found on trailers to allow cascading to other regions for enhanced response capability.

Personnel

- 47 personnel ECRC~SIMEC
  - Mutual aid, GRN
- 100 advisors trained / identified
  - 19 national
  - 81 regional
- 437 responders trained
  - 74 Great Lakes
  - 205 Québec
  - 160 Atlantic

TRAINING OCEAN BUSTER

BARGE PETITE BASQUE

UNITOR BAG 500T

Exercises

35 per year

- Alert
- Tier 1: 150 Tons (equipment)
- Tier 2: 1 000 tonnes
- Tier 3: 2 500 tonnes (equipment)
- Tier 4: 10 000 tonnes

Participation of RP, clients, agencies when available

Spill Responses

- Over 300 in 20 years (3 Regions)
  - Varying sizes
  - Involving different products
  - Varying durations
  - Different weather conditions
  - Varied workforce

Cooperation beyond borders

- One border
  - One neighbour, USA
- Many borders, barriers
  - Locally
  - Regionally
  - …

International boundaries responses

- One neighbour, USA
- Joint Marine Pollution Contingency Plan
- Responsibility of USCG and CCG
- Annexes
  - CANUSLAK
  - CANUSLANT
  - CANUSPAC
  - CANUSDIX
  - CANUSNORTH

International boundaries responses

- To provide coordinated system for planning, preparedness and response
- Predicated on the use of private sector resources augmented by public resources
- To ensure that coordinated planning is accomplished at the local level
- To facilitate transboundary movement of response resources

Canadian context

- Increased and improved response capacity
- Lower frequency of spills
- Maximizing what was in place
  - Building on existing strength
  - Reinforcing links
  - Filling gaps
  - Overcoming barriers

Locally…

- Industrial / emergency response contractor
- Marine resources
  - Commercial activities
  - Fisherman
- Volunteers

Industrial contractors

- Emergency response
  - Tank truck roll over
  - Small ship spills
- Clean-up of tanks – ship
- Refineries
  - Storage tank clean-up

Core of our workforce

Marine resources

- Tugs
- Port services
- Small companies
- Fishermen

Volunteers

- Working safely and covered in case of an accident
- Have to work under a coordinated structure
- Hired by a shoreline clean up contractor
- Hired by the Wildlife Rehabilitation group

Regionally

- Other Canadian Response Organizations
- Canadian Coast Guard
- Other agencies

Other RO

- Three RO
  - WCMRC
  - ALERT
  - PTMS
- Mutual aid
  - Personnel
  - Equipment
  - Contractors

Canadian Coast Guard

- Lead agency
  - FMO or OSC
- Personnel, equipment
  - In remote or less populated areas
- International boundaries responses
  - Joint Marine Pollution Contingency Plan
    - CANUSLAKE, CANUSLANT, CANUS…

Other agencies

- SCAT (Shoreline Clean-up Assessment Technique)
  - In place since many years
  - Environment Canada, ECRC~SIMEC, OCC
  - Expertise and experience
- Wildlife response
  - CWS, CCG, ECRC~SIMEC
  - Based on local, regional, national, international ressources

Global Response Network

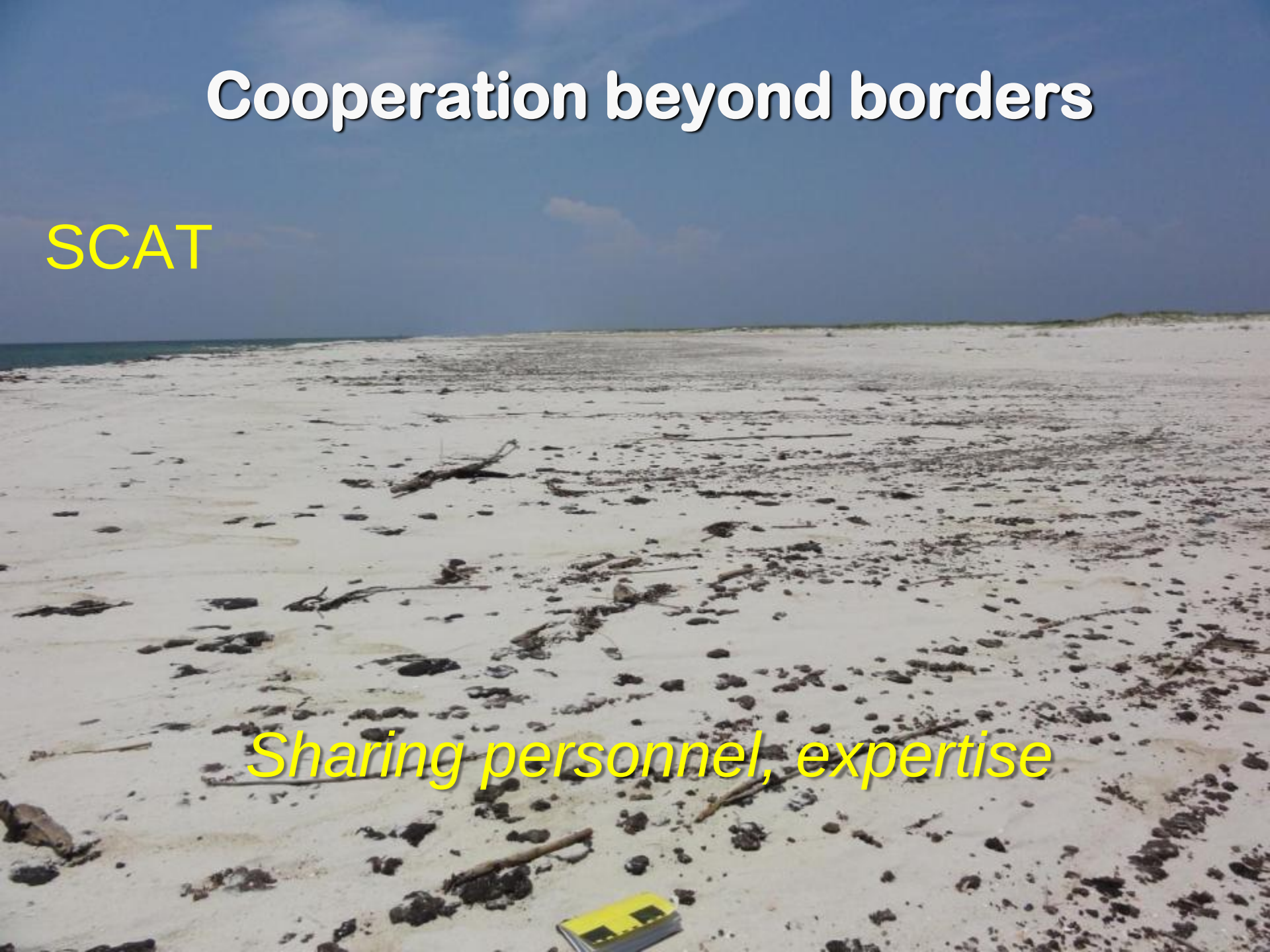
Operational Team	Lead
Offshore	MSRC
Shallow water / onshore	ECRC~SIMEC
Dispersant	OSRL
In-Situ burning	MSRC
Remote sensing	NOFO
Ice covered water	ACS
Response management	WCMRC

Cooperation beyond borders

- SCAT
  - CANADA – Wabamun
  - USA – Macondo
- Response in ice
  - ACS, ECRC~SIMEC, OSRL
  - Cross Training, Quebec, Alaska, Vermont

Cooperation beyond borders

SCAT



Sharing personnel, expertise


Cooperation beyond borders
Response in ice
Sharing personnel, expertise
03/02/2010 13:42

Cooperation beyond borders

- *Canada-USA*
  - *JMPCP in place*
- *But borders, barriers can be anywhere*
  - *Cooperation between organisations is key to success*
  - *Cooperation has to be initiated before the response*

Some limitations to movement of personnel and equipment, keeping response capability in Canada