

# Integrated Coastal and Ocean Management



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Chapter 1. Who is Sean

Chapter 2. What is the Ocean

Chapter 3. What is ICOM

Chapter 4. Words that matter

Chapter 5. What is ICOM made up of

Chapter 6. Class project

Chapter 7. A current case-study

## Chapter 1. Who is Sean









© 2015 Google  
US Dept of State Geographer  
Image Landsat  
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google earth

Imagery Date: 4/9/2013 58°34'52.60" N 91°18'57.95" W elev -201 ft eye alt 3446.55 mi

## Chapter 2. What is the Ocean

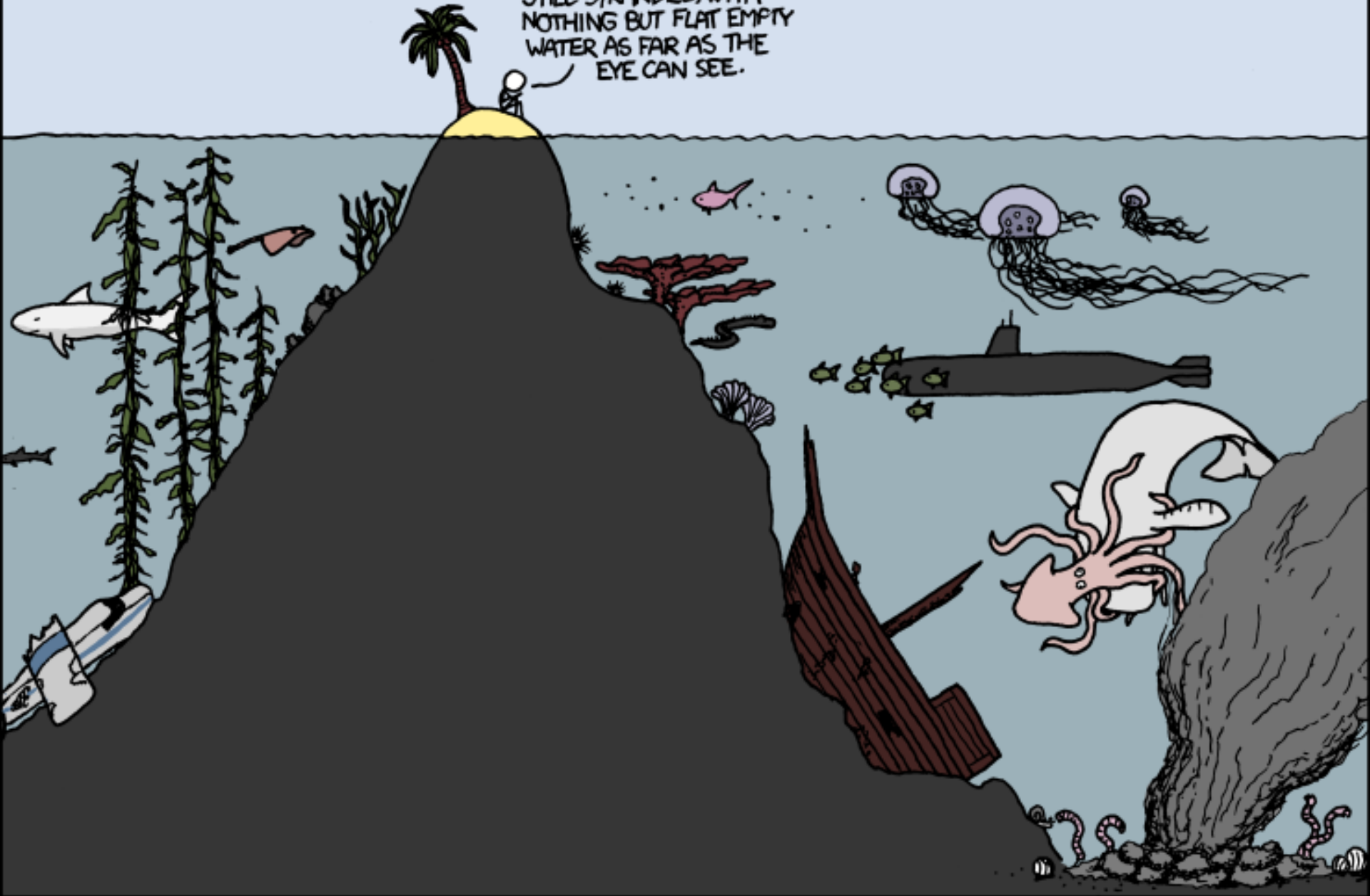




DAY 44:  
STILL STRANDED, WITH  
NOTHING BUT FLAT EMPTY  
WATER AS FAR AS THE  
EYE CAN SEE.



DAY 44:  
STILL STRANDED, WITH  
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# THE OCEAN

# THE LAND



NOAA

# Life in the ocean is very different

Longer food chain

More complex food web

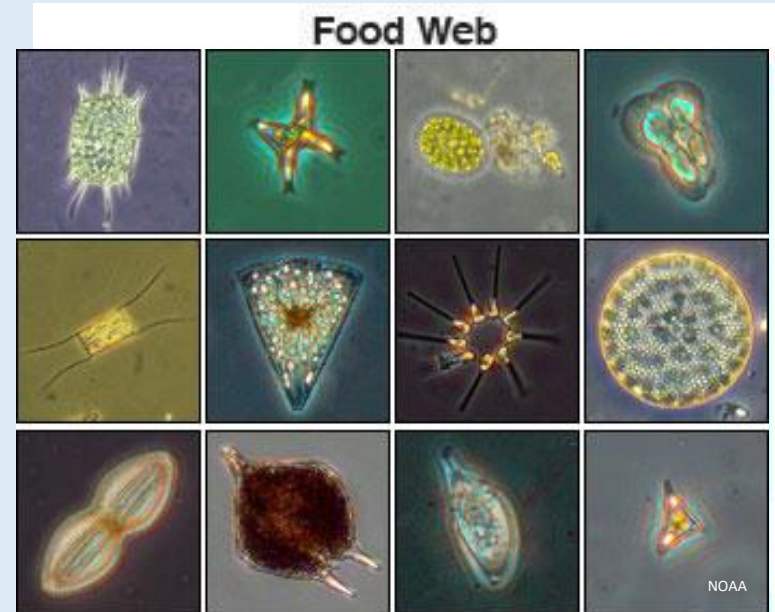
Plants small – animals big

Unusual life

e.g. filter feeding, sponges, brachiopods

## Threats:

- Disruption and mortality
- Habitat loss is minimal



Energy from Sun

## Chapter 3. What is ICOM

Once upon a time the world was big and infinite.

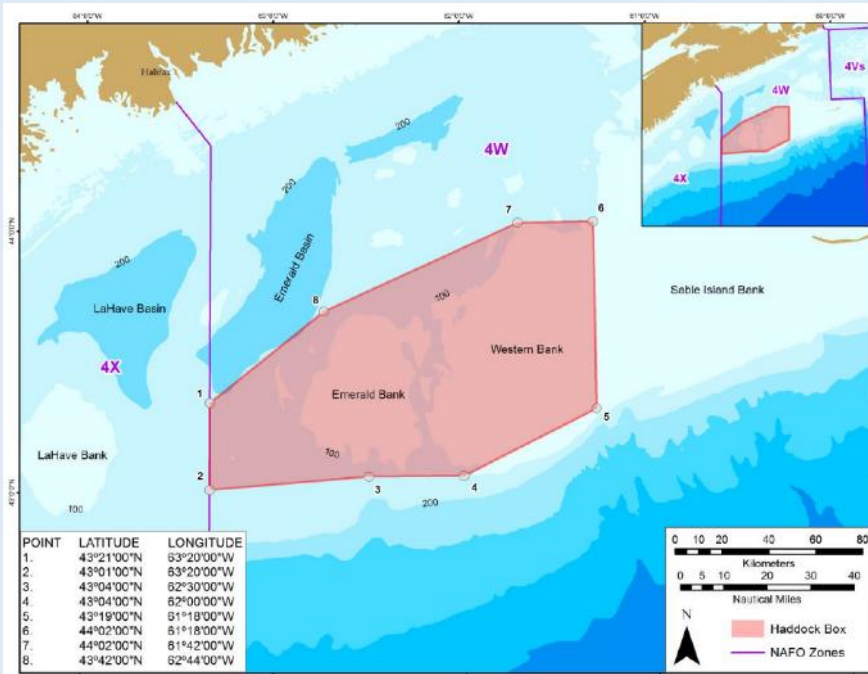
Then we found out:  
it wasn't!







# Integrated Coasts and Oceans Management



## Chapter 4. Words that matter

## Words Matter

Fish



## Word Matter

Fish

Stakeholder

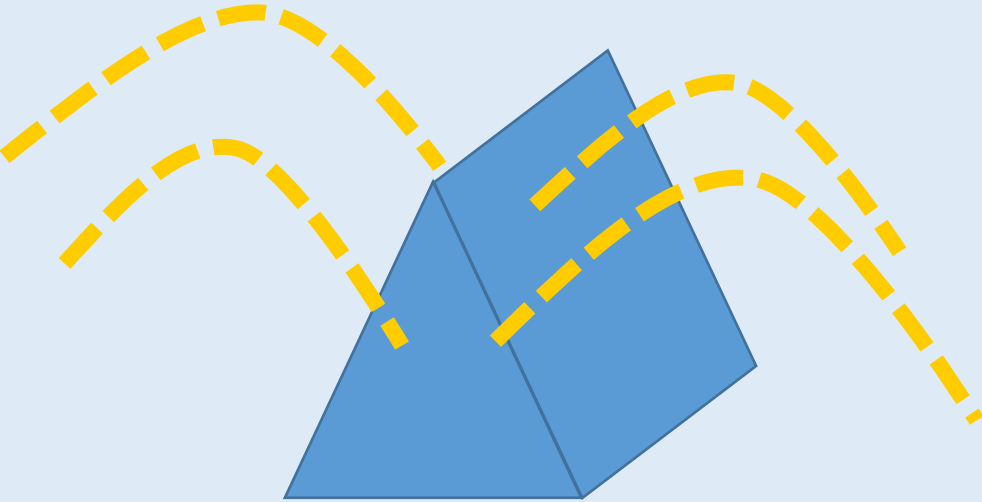
Sustainable Development

Marine Protected Areas

Integrated Coastal and Ocean Management

## Chapter 5. What is ICOM made up of

## Rules & Tools & Expectations



## Rules & Tools & Expectations

- Inclusion
- Collaboration
- Dialogue
- Investigations
- Science-based decisions (substantiated)
- ACTION!

## Problems

- Balance of Power
- Abuse of the process for delays
- Consensus ?

## Outcomes



- Humanize / Demystify / De-Demonize
- Unexpected collaborations (& Actions!)
- Strong positions from opposing views
- ...

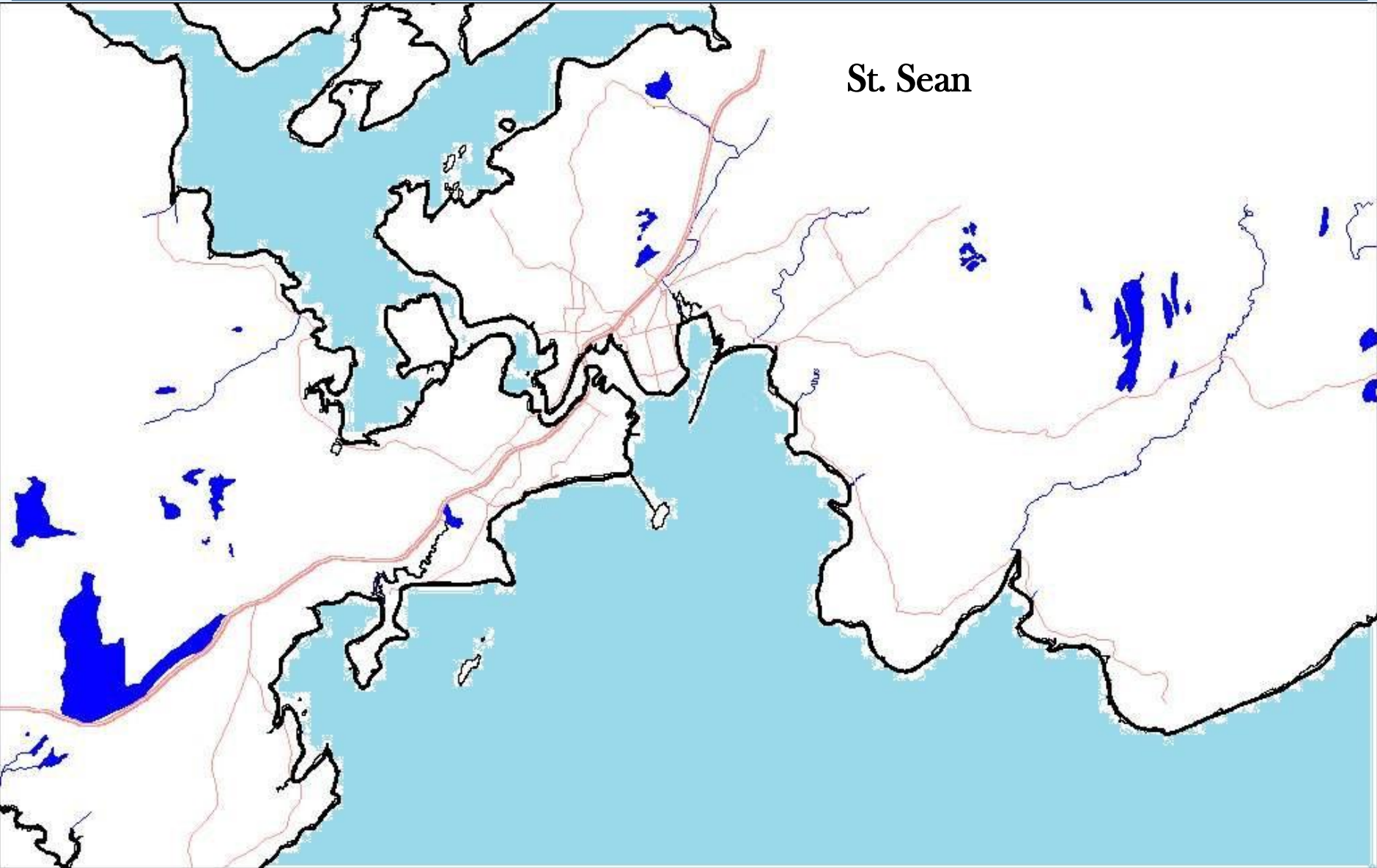




## Chapter 6. Class project

# Integrated Coasts and Oceans Management

St. Sean



**Who make up Coasts and Ocean community**

Who make up Coasts and Ocean community

What is your purpose in life?

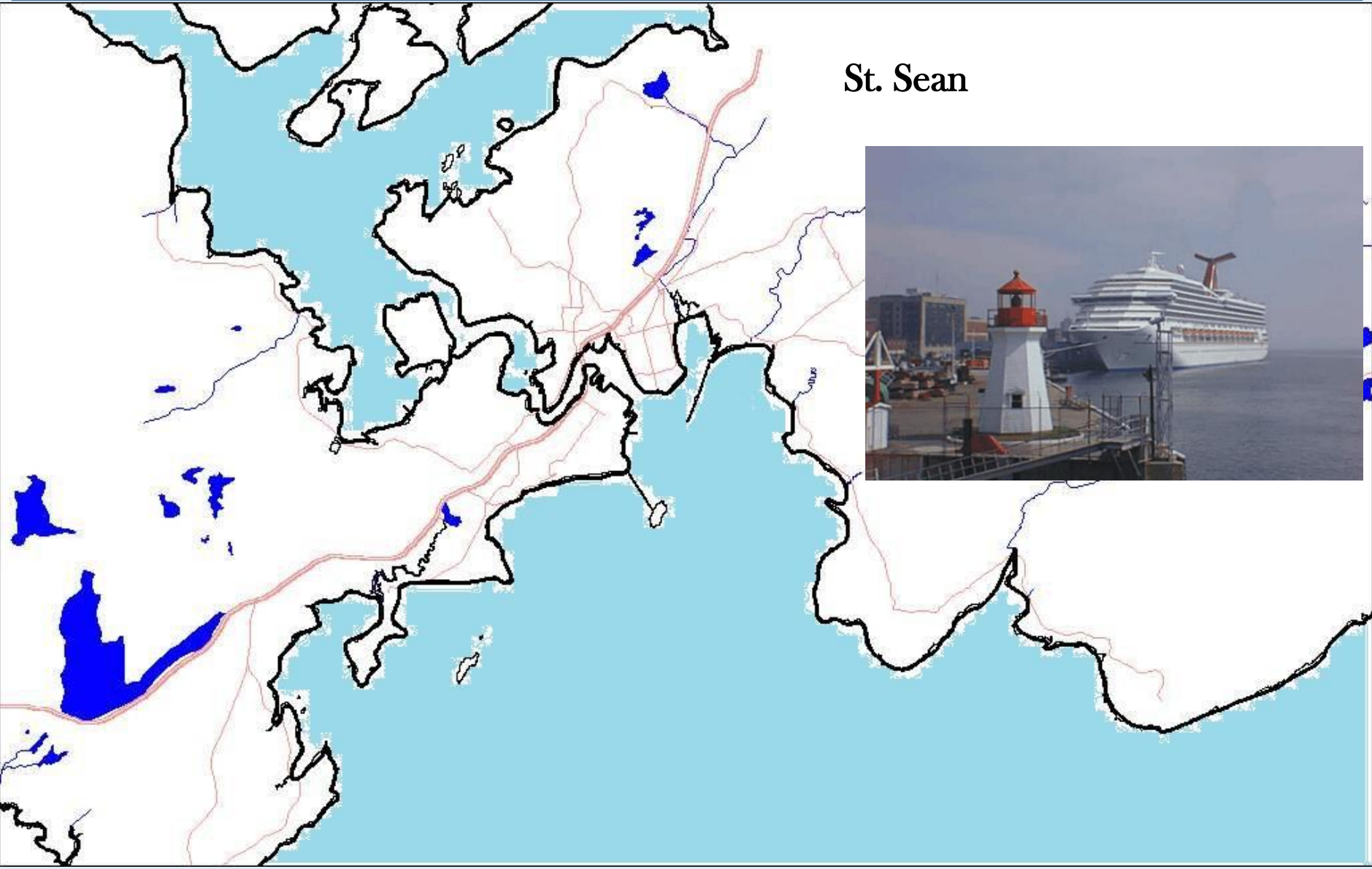
Who make up Coasts and Ocean community

What is your purpose in life?

Expected views and concerns?

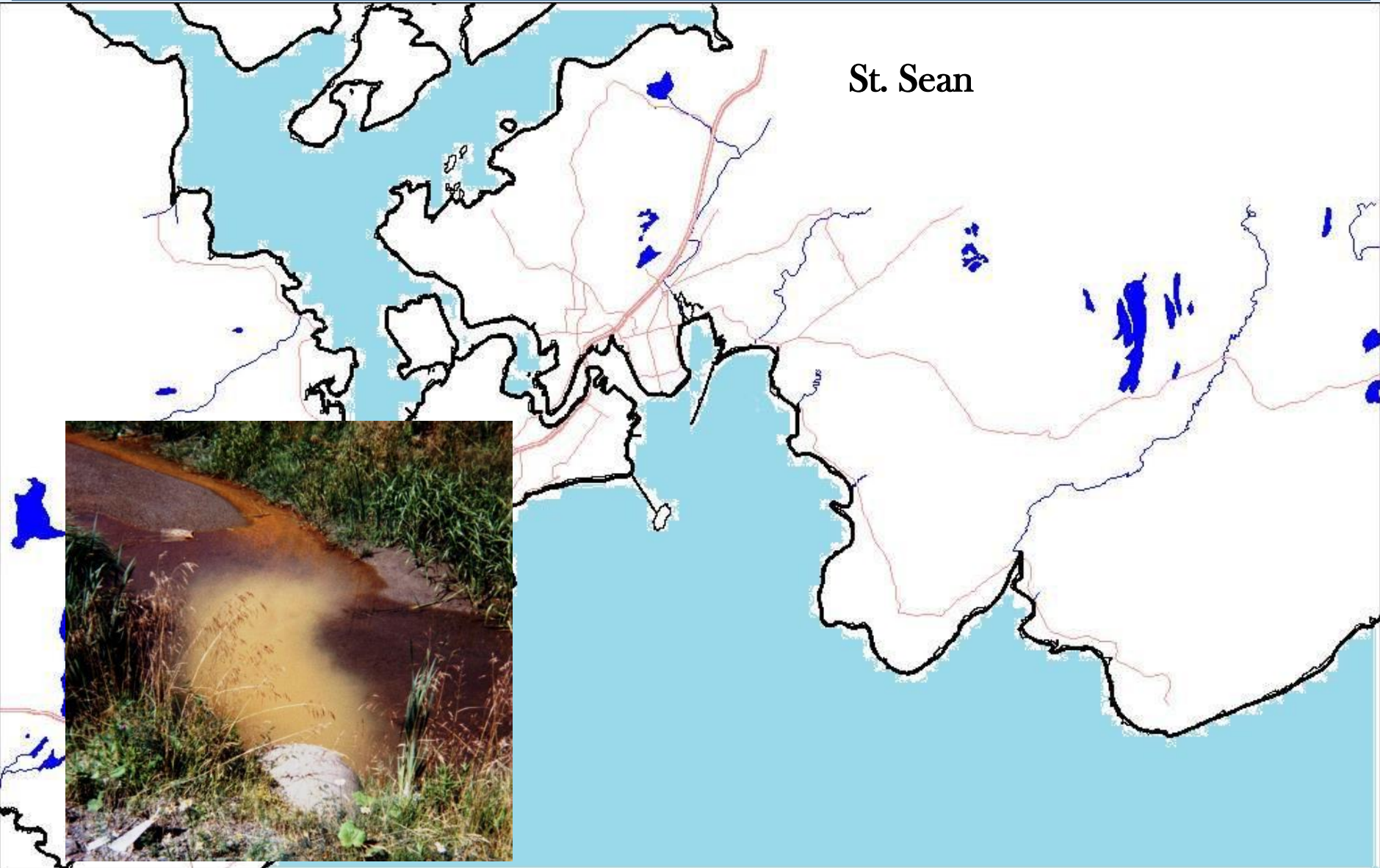
# Integrated Coasts and Oceans Management

St. Sean



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St. Sean







COFFEE!

## Who is affected?

Shipping industry  
Tourism  
Land owners  
Fishermen  
Birdwatchers  
Recreational fisheries  
Local Politicians  
Small business  
Indigenous community

Fishing  
Fisheries Management  
Community

## What are their goals?

Business development  
Safe operations

## How are they affected?

Additional traffic

It's not endless  
Also – it affects all of us

We need integration  
This means:  
policy coordination  
Including adjacent lands and waters in planning  
Science and policy economics and public opinion

Important principle: 'community-based'

Yes, tragedy of commons, but also conflict within or among area users

What's involved:

Spatial planning

EBM

Conservation planning and sustainable development

Marriage counselling

Most commonly done from a development point of view

- Can also be done from a topic point of view

Dangers:

- Balance of power
  - Mechanisms to help this: laws/taxes and negotiations/dialogue
- The buck stops nowhere
- More knowledge is not enough
  - Uncertainty is a part of management
- Power definition: to speak instead of listening, to be able to afford not to learn" (Deutsch, 1963).
- what are the best decisions that can be made given the (incomplete and controversial) knowledge on hand

What are the conflicts

Who should be involved

Tools for decision making

How to respond to changes or events

What makes it popular

- Engages people/orgs most affected by or affecting a shared resource.
- Demystifies processes

What are problems - then what are solutions?

Identify challenges – solutions?

Solutions – if I give a problem. – sheets of paper

How to manage together as a team – team assignments? Military? Ecosystem?

