



An Eco-bio-social approach to coastal zone for a better governance adaptation in the Gulf of St. Lawrence, Canada

Omer Chouinard, Céline Surette, Gregory Kennedy



Deltas in Time of Climate Change II
Rotterdam, September 23rd to 26th 2014



September 21st 2014 was “the biggest march
against climate change in the planet's history”



“Climate change has never received the crisis treatment from our leaders despite the fact that it carries the risk of destroying lives on a vastly greater scale than collapsed banks or collapsed buildings...” Naomi Klein, 2014

Transdisciplinary Approach to Community-Centered Adaptation to Climate Change

- We all recognize that we need a shift.
- It is our local communities that need to take action for developing local adaptation solutions to our vulnerabilities to change.



Cocagne Grande-Digue is one of seven communities across the Plant being studied under the umbrella of *ARTisticcc.net*
SEE Poster #P071





- The purpose of ARTISTICC is to conduct a **trans-disciplinary** scientific enquiry into the conditions under which genuine evidence-based **community-centered** policy-making may occur, this within the context of coastal adaptation to climate change.

Transdisciplinary Approach to Community-Centered Adaptation to Climate Change: Some concepts

- **Building capacity and capability** to act in the community at the regional and provincial level
- **Partnership and trust** : contractual engagement to share responsibilities;
- **Collaboration** (concertation) and social link : The way that people become connected for services and activities;
- **Coastal vulnerability** : identify communities that are at risk due to climate change;

Groupe de développement durable du Pays de Cocagne (GDDPC)

- The **Pays de Cocagne** Sustainable Development Group is our local partner in the Canadian site.
- Their mission is “to engage citizen participation towards the sustainability of **Cocagne** watershed communities”.
- This association used the ecosystemic approach to develop an healthy community.

The Cocagne river watershed

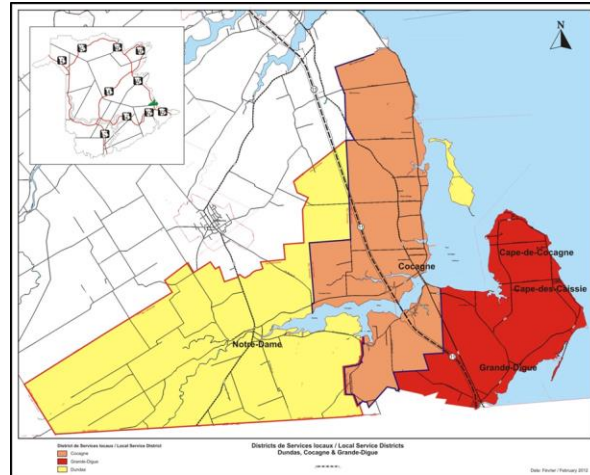
1. Population
 - Cocagne : 2850, on the coastline
 - Grande-Digue : 2250, on the coastline
 - Dundas-Notre-Dame : 1650, at head of the watershed
2. Major activities : fisheries, agriculture, tourism
It's part of Kent County (one of the poorest counties in the province of New Brunswick in Atlantic Canada)
3. 71% are French-Acadian speaking



Cocagne River Watershed



Part of Kent County
Pop. 31,000



Transdisciplinary Approach to Community-Centered Adaptation to Climate Change

- Our project with Cocagne/Grande-Digue officially began in April 2014 and will end in March 2017.
- BUT... we started to discuss the ARTisticc project with our community partner in December 2012.
- We have a long standing relationship/friendship with the leader of the GDDPC since the mid of 70's
- **IT TAKES TIME to built trust.**

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- In Cocagne Grand-Digue : no rural planning
- Cocagne became a municipality this past May 2014, Grande Digue has no municipality and now they are working on a rural plan.
- Dundas-Notre-Dame has no municipality either, but they are working toward this, along with a rural plan (land-use planning).

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The projet will focus on :

- **Natural Science:** climatic data and water quality
- **Social sciences:** socio-economic data, land use and governance, values, quality of life
- **History :** since colonial period – periodisation.
- Research will be anchored in culture and arts – with the Acadian Artist Association
- We will develop « policy briefs »

Transdisciplinary Approach to Community-Centered Adaptation to Climate Change

- With the other 6 international sites, we will build narratives and integrate lessons learned – the process is the focus
- We will value the importance of the culture and art (values, belief, quality of life, etc...) to forge appropriated local policy.
- The ethical approach is important : example
- Environnement Canada : Sea level Rise (2006)
- Brochures co-constructed and finalized (2012-13)



**THANK YOU FOR
YOUR PARTICIPATION
WITH US TODAY**

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CAMPUS DE MONCTON

<http://www.artisticc.net/>

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