



**The Way Forward**

**RIS3 Pilots Newfoundland and Labrador**



## Presentation Outline

- Overview of Newfoundland and Labrador and TCII
  - Population and Economy
  - Provincial Business Innovation Agenda
- RIS Research in NL
- RIS Pilot Initiatives in NL



## Newfoundland & Labrador

### Population

Canada: 35,151,725 (5% > 2011)

NL: 519,716 (1% > 2011)

### Landmass

Canada: 8,965,588.85 sq. km

NL: 405,000.00 sq. km.

### Population Density (sq. km.)

Canada: 3.9 / sq. km

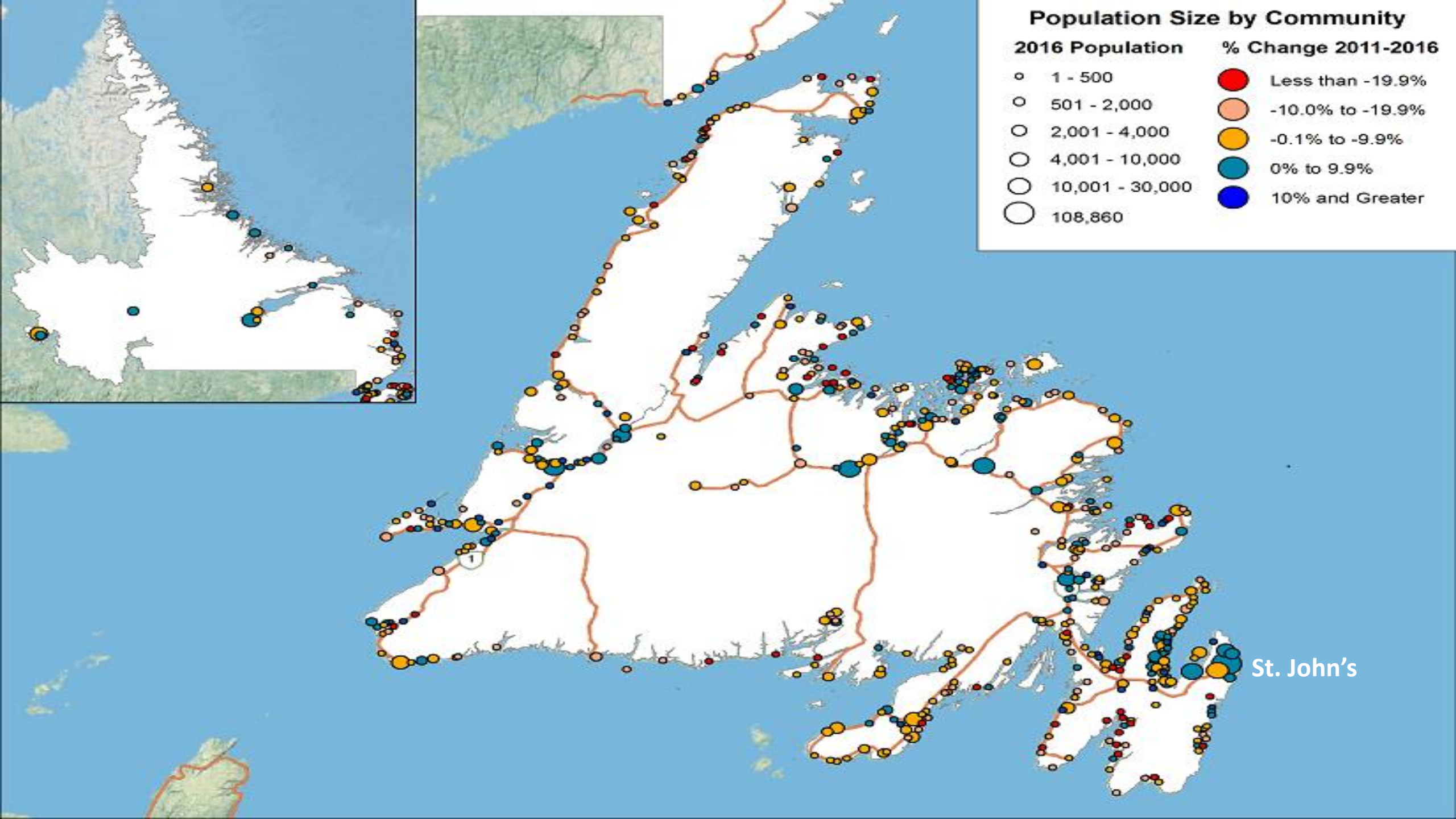
NL: 1.4 per sq. km.

## Overview of Newfoundland and Labrador (NL)

## Tourism, Culture, Industry and Innovation (TCII)







# Economy

- 2017 exports from Newfoundland and Labrador were worth \$10.2B, up from \$8.4B In 2016
- Primary goods exported:  
Oil, Seafood, Minerals, Paper, and Electricity
- Traditional Industries: Fishery, Forestry, Mining, O&G
- Emerging Industries: Technology, Aquaculture, Ocean Tech.



# Provincial Business Innovation Agenda



- Government of NL reset the focus on innovation with release of a new Business Innovation Agenda, 2018
  1. Product Development and Commercialization
  2. Productivity
  3. Growth and Internationalization
  4. Workforce Skills and Talent
- Recent collapse of oil prices created sense of urgency



Business Innovation Agenda Priority Areas



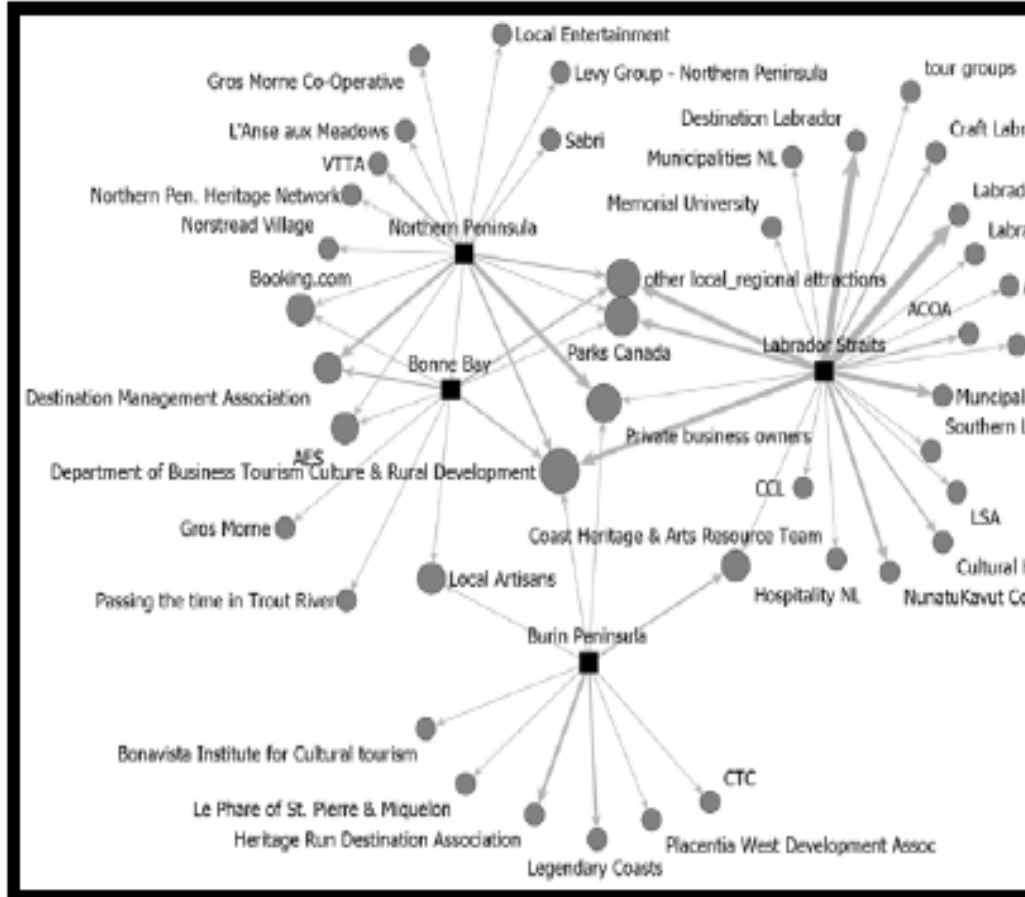
## Ocean Supercluster



- Industry-led consortia taking leadership for Canada's selected superclusters
- Potential for \$125-\$250M in non-repayable federal funding
- Investing in incremental activities that build on strengths and address gaps
- Ocean Supercluster (OSC) collaboration:
  1. Shared interest in technology-driven solutions to enhance the ability of Canada's ocean-based firms.
  2. Success requires a deliberate cluster-building strategy to drive innovation more collaboratively.

# Regional Innovation Systems Research in Rural NL

Figure 11: What are the top five groups or organizations you



- Local research led by Memorial University using social network analysis and RIS
- Investigated social capital and network ties in rural areas
- Findings include gap in collaboration between key participants e.g., tourism operators and support organizations, municipalities, etc.
- Recommendations: understanding commonalities, better communication, promotion of existing assets, growing relationships



## Territorial Innovation Models on Northern Peninsula, NL (Carter & Vodden 2017)

- Reviewed applicability of territorial innovation models (i.e. regional innovation systems, quadruple helix) are for remote rural regions like Great Northern Peninsula
  - Strong focus on agglomeration economies excludes many rural regions
  - Partnership between business, NGOs, government, & educational institutions
- Weak and dispersed private sector, low municipal capacity identified as key barriers for these models in rural places
- Paper recommends efforts to strengthen regional governance capacity and entrepreneurship and suggests entrepreneurial ecosystem model may be more applicable approach for rural

# Newfoundland & Labrador

## Unemployment Rate (Aug.'18)

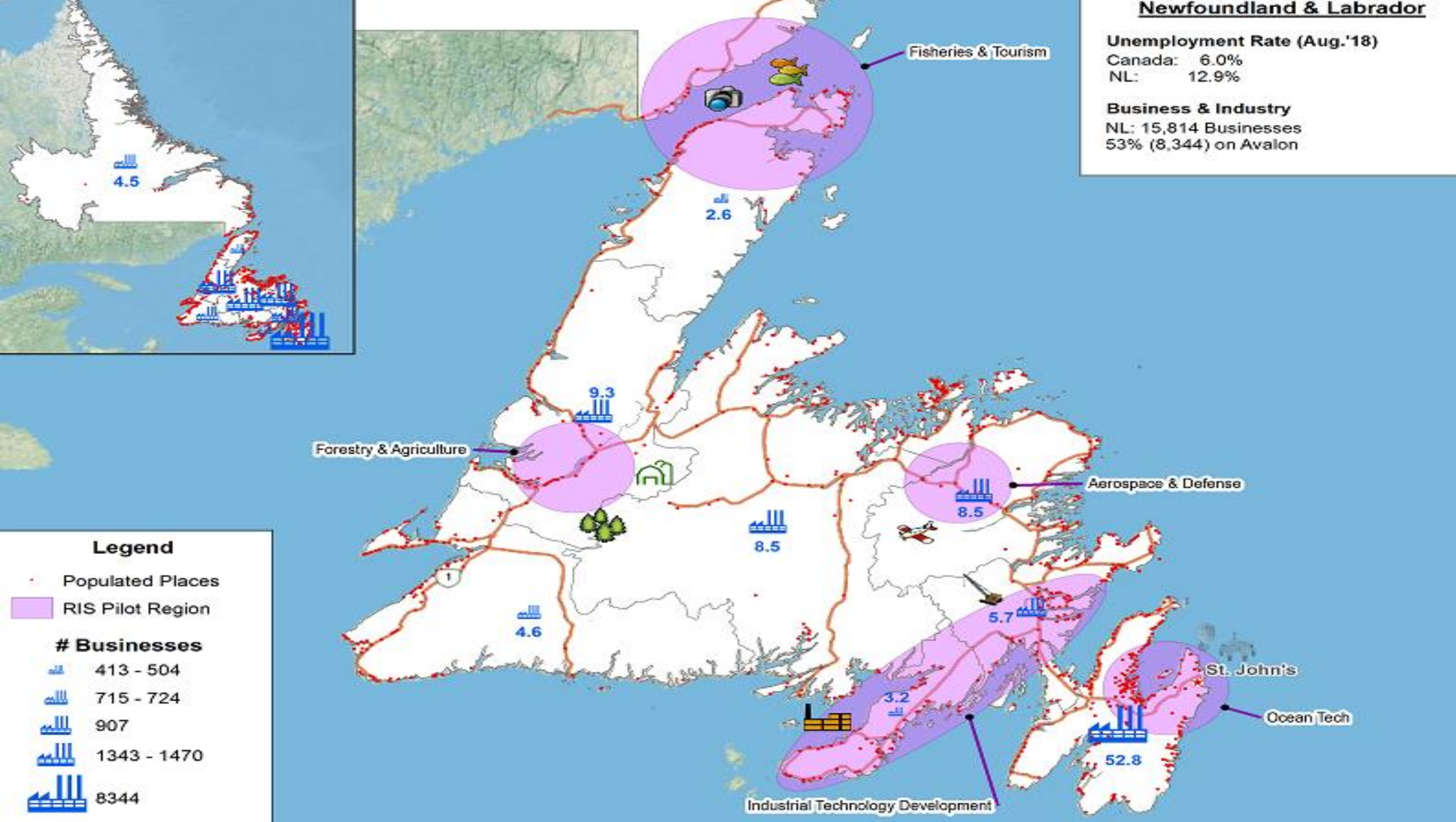
Canada: 6.0%

NL: 12.9%

## Business & Industry

NL: 15,814 Businesses

53% (8,344) on Avalon



# Pilot Goals and Objectives

## ***Goals of RIS3 Pilots***

Each pilot to identify **three or four** common and attainable initiatives.

## ***Objectives of the RIS3 pilots:***

- Enhance connectivity;
- Identify opportunities to explore innovations for adaptation and adoption for existing and new technologies;
- Foster greater global opportunities and global pipelines;
- Encourage further collaboration between wider entrepreneurial actors.



## Information and knowledge exchange (EDP)



- Knowledge sharing and brainstorming of Steering Committee
- Guest speakers who are industry or academic experts
- Submission of existing reports
- Generation of reports if requested
- TCII's role is to provide logistical and administrative support

# Visioning and Priority Identification



- Degree of visioning exercises vary
- Some sectors completed extensive strategic planning processes previously
- Opportunity Identification & Management – decision making tool

## Early Observations

- Most pilots have very sparse populations, most under 30,000
- Most pilots are primarily composed of micro or small SME's – maybe finding RIS3 approach difficult to understand
- Pilots in larger populated areas with well defined sectors, moving forward faster
- The progress & information requirements for the various steps varied depending sector and/or region



## Early Opportunities Being Explored



### Forestry & Agriculture

- ❑ New strategic initiative to develop a centralized facility that will benefit both sectors
- ❑ Build on existing energy cogeneration capability of pulp and paper mill
- ❑ Explore innovative opportunities to expand capacity and efficiencies for both sectors related to operations, new product and market opportunities
- ❑ Opportunity to build on collaboration with academic R&D with greater input of industry players

## Early Opportunities Being Explored



### Ocean Technology

- Greater collaboration among existing industry players
- Explore areas to increase value-added products and services
- Build on existing testing and research facilities to fill infrastructure gaps
- Opportunity to dovetail with other Federal initiatives

## Status of Pilots



- Staggered launch dates for all pilots
- Total of 81 Steering Committee members identified with 77 confirmed for all pilots – 35 businesses.
- Two pilots are near identification and prioritization of action items
- Other pilots still Entrepreneurial Discovery Process stage
- Continue on monitoring and evaluation process



## Conclusions



- Still early stages and ongoing
- All pilots may not realize its objectives
- People are asking questions and are staying engaged
- Genuine interest to see this through - see where it leads



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**Thank you**

