New Brunswick R&D and Innovation Ecosystem (2019)

Canada

Total population: 37,058,856 (2018)
Gross Domestic Product (2017)
GDP: $2,142B (2017)
Global GDP ranking: 10th (World Bank, 2017)
GDP growth: 1.9% (2017)
Gross domestic expenditures on R&D
GERD: $42.7 M (Stats Can, 2018)
GERD/GDP: 1.61% (2017)
OECD GERD/GDP average: 2.38% (2015)
OECD GERD/GDP Ranking: 10th (OECD, 2015)
BERD: $15,973 M (Stats Can, 2018)
BERD/GDP: 0.60% (2017)
HERD: $10,247 M (Stats Can, 2018)
GOVERD/GDP: 0.101%
Research Intensity (GERD/GDP)
NTRD: $127 M
Provincial ranking: 8/10
NERCOM: 0.16%
HERD: $32 M
Provincial ranking: 8/10
GOVERD/GDP: 0.06%
Venture Capital (VC)
VCRD: $127 M
Provincial ranking: 8/10
NERCOM: 0.16%
VCRD/GDP: 0.01%
Exports (goods/services): 46.9 % (2017)
Imports (goods/services): 37.1 % (2017)

New Brunswick

Total population: 775,610 (2017)
Gross Domestic Product (2017)
Real GDP: $31.9 B (2017) (2012 chained dollars)
Provincial GDP ranking: 4th
Real GDP growth: 1.8%
Exports (goods/services): $26.6 B (2017)
Imports (goods/services): $35.9 B (2017)
Gross domestic expenditures on R&D (2018)
GERD: $293 M
Provincial ranking: 8/10
GERD/GDP: 1.15%
Research Intensity: $10 M
Provincial ranking: 8/10
GOVERD/GDP: 0.01%
Venture Capital (VC)
VCRD: $1.7 M
Provincial ranking: 8/10
NERCOM: 0.16%
VCRD: $0.01 M
Large (500+) LOIs
Exports (goods/services): 46.0 % (2017)
Imports (goods/services): 37.1 % (2017)

Highlights from New Brunswick's Innovation Agenda (2018)

Provincial government to invest over **$53.5 M** from 2018-19 to foster innovation and boost research and development in New Brunswick.

Innovation agenda outlines six **pillars** that focus on fostering an innovative culture, including:

- *Talent Development*
  - Expand innovation-related talent pool in the province, including the number of students at all levels engaged in science, technology, engineering and mathematics (STEM)
  - Grow culture of innovation
- *Bold R&D Capacity*
  - Ensure research and emerging ratios remain strong with increased investment
  - Increase number of graduate students in areas of strategic importance
  - Encourage research and development (R&D) partnerships and increase industrial R&D intensity across all sectors
- *Commercialize, Start and Scale Enterprises*
  - Improve rate of commercialization
  - Strengthen support for start-ups
  - Ramp up high growth entrepreneurship
  - Increase business development attraction (A) activities
  - Increase the number of 'scale-up' firms growing beyond $5 employees in key export-based sectors
- *Foster Innovation Spaces*
  - Foster innovation, economic opportunity and social innovation through partnerships with NouLAB, LivingLi, NB-MOT, NBJPRN and other organizations
  - Boost investment into innovation infrastructure under Strategic Infrastructure Initiative (SII)
  - Support the growth of innovation spaces
- *Lead the Cybersecurity Agenda in Canada*
  - Empower critical infrastructure protection in the province and beyond
  - Conduct innovative research and continuous improvement to empower Critical Infrastructure organizations to operate and provide services securely and efficiently
  - Leverage cybersecurity to drive economic growth, workforce development & high value career opportunities in cybersecurity
- *Become a Smart Province*
  - Improve access of government data and information available to all citizens and institutions through Open Data Initiative
  - Support development of new applications, products and services using Digital ID for citizens, a single, secure electronic representation of a person
  - Foster public and private sector innovation and the development of new applications to improve access to government services and information using Digital ID
  - Become the first digital society in North America

NB Government Department	2016-17 NB Budget ($ M)	2019-20 NB Budget ($M)	Budget % Change
General Government	56.2	85.1	51%
Agriculture, Aquaculture and Fisheries	38.2	40.1	4%
Environment and Local Government	152.1	160.1	5%
Executive Council Office	7.1	7.4	4%
Other Agencies	386.1	401.1	4%
Local Government	1,114.2	1,191.2	7%
Education and Early Childhood Development	1,309.6	1,349.0	3%
Health	2,663.4	2,747.4	3%
Service of the Public Debt	672.0	727.0	8%
Post-Secondary Education, Training and Labour	654.7	698.9	6%
Justice and Public Safety	337.1	349.8	4%
Legislative Assembly	38.1	39.1	3%
Office of the Premier	1.90	1.95	2%
Tourism, Heritage and Culture	70.1	72.1	3%
Transportation and Infrastructure	1,072.1	1,104.1	3%
Opportunities New Brunswick	49.2	49.4	1%
Regional Development Corporation	10.0	10.0	0%
Total Expenses	8,910.0	9,021.5	3%

Inputs

FEDERAL GOVERNMENT

Prime Minister | Parliament
Cabinet | Parliamentary Committees
Central Agencies (examples)
Budget Office
Treasury Board Secretariat
Office of the Auditor General of Canada
Office of the Chief Human Resources Officer
Office of the Comptroller General
Office of the Chief Information Officer
Office of the Chief Science Officer
Office of the Chief Statistician
Office of the Chief Economist
Office of the Chief Data Officer
Office of the Chief Digital Officer
Office of the Chief Procurement Officer
Office of the Chief Audit Executive
Office of the Chief Evaluator
Office of the Chief Risk Officer
Office of the Chief Security Officer
Office of the Chief Accessibility Officer
Office of the Chief Mental Health Officer
Office of the Chief Medical Officer
Office of the Chief Public Health Officer
Office of the Chief Veterinarian
Office of the Chief Agri-Food Officer
Office of the Chief Forest Officer
Office of the Chief Fisheries Officer
Office of the Chief Aquaculture Officer