Supplementary Online Material

Agro-biodiversity has increased over a 95-year period at sub-regional and regional scales in southern Quebec, Canada

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Figure 1S1. Change in the composition and diversity of baskets of agricultural products provided by each of the nine clusters of RCM over time. Each basket and its effective number of agricultural products (ENAP) are represented only in the first and last year it was produced for clarity.

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<td>ENAP</td>
<td>5.2</td>
<td>5.5</td>
<td>5.9</td>
<td>6.7</td>
<td>8</td>
<td>8.4</td>
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- Wheat
- Cattle
- Pork
- Soya
- Poultry
- Hay
- Oat
- Maple
- Milk
- Maize
Detailed references of each type of data used

Agricultural products from 1911 to 2006
Canada Census and Statistics Office 1911 Fifth census of Canada, volume IV, agriculture.
  Livestock on farm, 1911, Quebec (Table 7)
Canada Census and Statistics Office 1911 Fifth census of Canada, volume IV, agriculture. Grain
  crops, 1910, Quebec (Table 3)
Canada Census and Statistics Office 1911 Fifth census of Canada, volume IV, agriculture. Hay,
potatoes, roots etc., 1910, Quebec (Table 4)
Dominion Bureau of Statistics Canada 1921 Sixth census of Canada, volume V, agriculture.
  Livestock on farms by counties and census divisions, 1921, Quebec (Table 89)
Dominion Bureau of Statistics Canada 1921 Sixth census of Canada, volume V, agriculture. Field
crops, 1920—Area, yield and value by counties or census divisions, Quebec (Table 84)
Dominion Bureau of Statistics Canada 1921 Sixth census of Canada, volume V, agriculture. Fruit
  on farms—Trees, 1921, production and value, 1920, by counties and census divisions,
  Quebec (Table 87)
Dominion Bureau of Statistics Canada 1931 Seventh census of Canada, volume VIII, agriculture.
  Livestock and crops by municipalities, Quebec, 1931 (Table 38)
Dominion Bureau of Statistics Canada 1931 Seventh census of Canada, volume VIII, agriculture.
  Fruits on farms, trees, 1931, production and value, 1930, by counties, Quebec (Table 28)
Dominion Bureau of Statistics Canada 1941 Eight census of Canada, volume VIII, agriculture,
  Part I. Field crops—Grains and seeds, 1940, by county, Quebec (Table 33)
Dominion Bureau of Statistics Canada 1941 Eight census of Canada, volume VIII, agriculture,
  Part I. Grapes, small fruits and maple products on farms—Area, production and value,
  1940, area and trees tapped, 1941, by county, Quebec (Table 40)
Dominion Bureau of Statistics Canada 1941, Eight census of Canada, volume VIII, agriculture,
  Part I. Livestock on farms, 1941, by county, Quebec (Table 41)
Dominion Bureau of Statistics Canada 1951 Ninth census of Canada, volume VI, agriculture, Part
  I. Livestock on farms and area of field crops, 1951, by subdivision, Quebec (Table 31)
Dominion Bureau of Statistics Canada 1951, Ninth census of Canada, volume VI, agriculture,
  Part I. Forest and maple products on farms, by county, Quebec (Table 27)
Statistics Canada 1971 Land in crops by hectare, by province, Census Consolidated Subdivision
  (CCS), 1971 Quebec (Table A). In 1971 Census of Agriculture, age of farm operator,
  length of residence, operating arrangements, land use, tenure, farm size, by province,
  Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated
  Subdivision (CCS)
Statistics Canada 1971 Total number of pigs, cattle and calves, dairy cows, geese, turkeys, hens
  and chickens, by province, Census Consolidated Subdivision (CCS), 1971 Quebec (Table
  E). In 1971 Census of Agriculture, poultry and livestock, by province, Census Agricultural
  Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)
Statistics Canada 1976 Land in crops by hectare, by province, Census Consolidated Subdivision
  (CCS), 1976 Quebec (Table A). In 1976 Census of Agriculture, age of farm operator,
  length of residence, operating arrangements, land use, tenure, farm size, by province,
  Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated
  Subdivision (CCS)
Statistics Canada 1976 Total number of pigs, cattle and calves, dairy cows, geese, turkeys, hens and chickens, by province, Census Consolidated Subdivision (CCS), 1976 Quebec (Table C). In 1976 Census of Agriculture, Poultry and Livestock, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 1981 Land in crops by hectare, by province, Census Consolidated Subdivision (CCS), 1981 Quebec (Table 5). In 1981 Census of Agriculture, land use farm size (improved lands), land management practices, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 1986 Land in crops by hectare, by province, Census Consolidated Subdivision (CCS), 1986 Quebec (Table 2). In 1986 Census of Agriculture, land tenure, land use and farm size, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 1986 Total number of pigs, cattle and calves, dairy cows, turkeys, hens and chickens, other poultry, by province, Census Consolidated Subdivision (CCS), 1986 Quebec (Table 5). In 1986 Census of Agriculture, poultry and livestock, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 1991 Land in crops by hectare, by province, Census Consolidated Subdivision (CCS), 1991 Quebec (Table 1). In 1991 Census of Agriculture, operating arrangements, land use and land management practices, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 1991 Total number of pigs, cattle and calves, dairy cows, turkeys, hens and chickens, other poultry, by province, Census Consolidated Subdivision (CCS), 1991 Quebec (Table 5). In 1991 Census of Agriculture, poultry, livestock and bee colonies, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 1996 Land in crops by hectare, by province, Census Consolidated Subdivision (CCS), 1996 Quebec (Table 7). In 1996 Census of Agriculture, land tenure, land use and land management practices, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 1996 Total number of pigs, cattle and calves, milk cows, turkeys, hens and chickens, other poultry, by province, Census Consolidated Subdivision (CCS), 1996 Quebec (Table 14). In 1996 Census of Agriculture, poultry, livestock and bee colonies, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 2001 Land in crops (excluding Christmas tree area) by hectare, by province, Census Consolidated Subdivision (CCS), 2001 Quebec (Table 5). In 2001 Census of Agriculture, land use, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 2001 Total number of pigs, cattle and calves, dairy cows, turkeys, hens and chickens, other poultry, by province, Census Consolidated Subdivision (CCS), 2001 Quebec (Table d). In 2001 Census of Agriculture, poultry, livestock and bee colonies,
machinery, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 2006 Land in crops (excluding Christmas tree area) by hectare, by province, Census Consolidated Subdivision (CCS), 2006 Quebec. In 2006 Census of Agriculture, tenure & land use, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Statistics Canada 2006 Total number of pigs, cattle and calves, dairy cows, turkeys, hens and chickens, other poultry, by province, Census Consolidated Subdivision (CCS), 2006 Quebec. In 2006 Census of Agriculture, poultry, livestock and colonies of bees, by province, Census Agricultural Region (CAR), Census Division (CD) and Census Consolidated Subdivision (CCS)

Population density

Statistics Canada 1951 Population by census subdivisions, 1871-1951 (Table 6) In 1951 Census of Population, by province, census divisions and subdivisions

Statistics Canada 1961 Population by electoral district and census subdivisions, 1961 and 1956 (Table 5) In 1951 Census of Population, by province, census divisions and subdivisions.

Statistics Canada 1971 Total population, by province, Census Subdivisions, 1971 Québec (Table 6) In 1971 Census of Population, by province, Census Divisions and Subdivisions (catalogue 92-701, Volume 1, Part 1).

Statistics Canada 1981 Population, by province, Census Subdivisions, Québec 1981 and 1976 (Table 1) In Population, occupied private dwellings, private households and census of economic families in private households, selected social and economic characteristics, Quebec (catalogue 93-x-941).

Statistics Canada 1991 Population, by Census Subdivisions, Québec 1991 and 1986 (Table 1) In Profile of Census Divisions and Subdivisions in Quebec (catalogue 95-325).


Digital boundary maps 1911-1951

Canadian Century Research Infrastructure 1911-1951, digital boundary maps, online https://ccri.library.ualberta.ca/enindex

Digital boundary maps 1971-2006
Statistics Canada 1971 Reference map C-7, Quebec part 3, by Census Division, 141 Census
Subdivision, largest city, Census Metropolitan Area, Census Agglomeration In 1971
Census of Agriculture (catalogue 96-706, Volume 4, part 2)
Statistics Canada 1976 Reference map, Quebec part 1, by Census Division, Census 144
Subdivision, largest city, Census Metropolitan Area. In 1976 Census of Agriculture
(catalogue 96-805, Volume 12).
Statistics Canada 1981 Census Divisions, digital boundary file, 1981 Census (Statistics Canada,
Ottawa)
Statistics Canada 1986 Census Divisions, digital boundary file, 1986 Census (Statistics Canada,
Ottawa)
Statistics Canada 1991 Census Divisions, digital boundary file, 1991 Census (Statistics Canada,
Ottawa)
Statistics Canada 1996 Census Divisions, digital boundary file, 1996 Census (Statistics Canada,
Ottawa)
Statistics Canada 2001 Census Divisions, digital boundary file, 2001 Census (Statistics Canada,
Ottawa)
Statistics Canada 2006 Census Divisions, digital boundary file, 2006 Census (Statistics Canada,
Ottawa).

Soil classification

Canada Land Inventory 2002 Land capability for agriculture (1: 50,000 scale) (Natural Resources
Canada, Centre for Topographic Information, Sherbrooke) Available at
http://library.mcmaster.ca/maps/geospatial/soil-capability-agriculture-447 canada-land-
inventory