



City Region Food System Toolkit
Assessing and planning sustainable city region food systems

CITY REGION FOOD SYSTEM TOOLKIT
TOOL/EXAMPLE



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Tool/Example:

Availability of Essential Numbers

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Project: RUAF – Wilfrid Laurier CityFoodTools

Introduction to the joint programme

This tool is part of the City Region Food Systems (CRFS) toolkit to assess and plan sustainable city region food systems. The toolkit has been developed by FAO, RUAF Foundation and Wilfrid Laurier University with the financial support of the German Federal Ministry of Food and Agriculture and the Daniel and Nina Carasso Foundation.

Link to programme website and toolbox

<http://www.fao.org/in-action/food-for-cities-programme/overview/what-we-do/en/>

<http://www.fao.org/in-action/food-for-cities-programme/toolkit/introduction/en/>

<http://www.ruaf.org/projects/developing-tools-mapping-and-assessing-sustainable-city-region-food-systems-cityfoodtools>

Tool summary:

Brief description	This table is an example of how data can be summarized based on the Toronto CRFS project.
Expected outcome	More comprehensive understanding of the available data collected along the food chain for sustainability.
Expected Output	Table that summarizes available data for a CRFS project.
Scale of application	Project level
Expertise required for application	Project management
Examples of application	Toronto and Greater Golden Horseshoe
Year of development	2015
References	-

Tool description:

To guide data collection, a CRFS Data Framework was been developed, following the key research questions asked as part of the CRFS scan. It uses a whole food system approach and covers the areas of food production, processing, wholesale and distribution, retail and catering, consumption and waste. It also considers different sustainability dimensions of the CRFS. It gives an extensive overview of relevant data for each of these areas that may help respond to the key questions that help characterising the CRFS. Its aim is not to collect

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** Growth rates as pressures on land prices
** Number of farms owning land
** Number/ % of rental farmland
** Import and trade regulations
** Land use regulations
** Support levels for different types of agriculture
PROCESSING
** Type, number and geographic spread of food storage/processing/manufacturing in the city region
** Amount of locally produced product that is processed/ stored/ manufactured locally
** Amount of redundant trade in processed product (same product exported and imported)
** Number of food processing related jobs and businesses per 100 000 population
** Total production in city region of value-added product by product category
** Carbon footprint of sectors
** Energy consumption, including oil
** Greenhouse gas emissions (in manufacturing and related transportation)
** Transportation impacts
** Water use; waste water production (amount and management); “water footprint”
** Food quality and safety for consumers
** Number of workers in different processing businesses for selected food categories (e.g. number employed in meat processing; in fish processing etc.)
** Wage levels
** Government support programs for value-added processing (local markets or export)
** Policies for worker safety in sector
** Presence of policies that encourage local processing, such as flexible food regulation and certification policies, and industrial land use planning.
** Scale-appropriate processing regulations
WHOLESALE
** Geographic spread of distributors
** Number of wholesale/ distribution points
** Number of food distribution/ wholesale related jobs and businesses per 100,000 population
** Food waste production (volumes/share) and management
** Carbon foot prints food processing and manufacturing
** Emissions from transportation associated with distribution
** Level of wages paid and wage trends over period of time
** Number of workers for different wholesale and distribution points for selected food categories (egg fruit & veg; meat; dairy wholesale/distribution)
** Trade agreements, including provisions against promoting local over imports
** CFIA regulations and practices
** Food safety regulations
RETAIL
** Extent of food deserts and food swamps
** Type, number and geographic location/spread of different food retail outlets in the city region
** Type, number and geographic location/spread of different catering/ restaurant outlets in the city region
** Number of food retail related jobs and businesses per 100,000 population
** Number of catering related jobs and businesses per 100 000 population



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** Food waste production (volumes/share) and management in i) retail and ii) catering
** Carbon and water foot prints in food retail and catering
** Number and type of public and institutional food procurement policies
** Number of farm supply initiatives to school/farm to institution/ farm to restaurant programs; type and number of school feeding programs
** Policies around street food catering and markets (e.g. licenses, food safety & hygiene, infrastructure support)
** Policies that require labeling of food origin / food miles etc.
** Policies that support healthy food retail e.g. not allowed to locate fast food outlets near schools; support for fruit and veg shops etc.
** Wage levels for workers
CONSUMPTION
** Consumption of key foods per capita
** Total healthy food requirements for the city population.
** Amount of produce and number of households served by food banks
** Availability and accessibility of charity food to those in need
** Consumer processed and fast food consumption
** Number of food banks/ soup kitchens
** HH/local income (including government/institutional) spent on food
** Map of the city to show levels of deprivation or income levels across different neighbourhoods
** Distance from HH to store with health (local) food (per wealth class) or access to healthy/local food stores within 500 m/ 1km
** Food security/ insecurity levels
** Nutritional status and rate of diet related diseases (malnutrition/Obesity/ others) for different income groups/ for rural-urban areas
** Relative consumption of food categories (dairy, meat, etc.)
** Existence and support for public health and nutrition education efforts
WASTE
** Food waste production (volumes/share) and management
** Waste by supply chain link
** Economic value of food that is thrown away (from supermarkets; wholesale markets etc.)
** Job/revenue creation in waste management per 100.000 population
** Greenhouse gas emissions
** Impact on watershed
** Impact on air pollution
DEMOCRATIC ENGAGEMENT
** Degree of citizen and stakeholder participation in these structures
** Food charters
** Food policy councils, regional alliances, local food networks
** Access and consultation with people and stakeholders for environmental planning
** Programs for new entrants to agriculture, including vulnerable groups
** Programs to support and protect farmworkers, and provide access to the full spectrum of Canadian worker supports
EDUCATION
** Consumer education for healthy food shopping, basic cooking, etc.
** Consumer education on farm sector practices and issues





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** Number of community-based training venues (e.g. FoodShare SNP, catering/ kitchen programs)
** Number of formal training venues (e.g., George Brown, Conestoga food)
** Subsidized food safety trainings by sector
** Trainings available for specific sectors
** Availability of training for sustainable or alternative forms (organic farming, co-ops, etc.)
** Consumer education on environmental issues related to food

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