



# Canadian Beef Advisors – Industry Goals to 2030

## Global Alignment on the Greenhouse Gas and Carbon Sequestration Goal

July 13, 2023

The Canadian beef industry goal on greenhouse gases (GHG's) is aligned with efforts underway at the Global Roundtable for Sustainable Beef (GRSB). There are two main streams of work to achieving the global and regional climate goals.

1. Data related to goal tracking (GRSB)
2. Implementation of strategies to help successfully meet the goals (regional efforts)

The GRSB is focused on addressing data issues of concern to their members to ensure that international alignment occurs.

### Methodology

In February 2022, the GRSB launched their Beef Carbon Footprint Methodology. This provided a standardized approach to Life Cycle Assessments (LCA) for monitoring greenhouse gas (GHG) and carbon-related goals. It addressed allocation questions and provided guidance on reporting all three GHGs separately, to allow for both Global Warming Potential, GWP-100 and GWP\* comparisons. In addition, GRSB has a [Metrics Fact Sheet](#), which outlines how different metrics are suited for different goals and should be used accordingly.

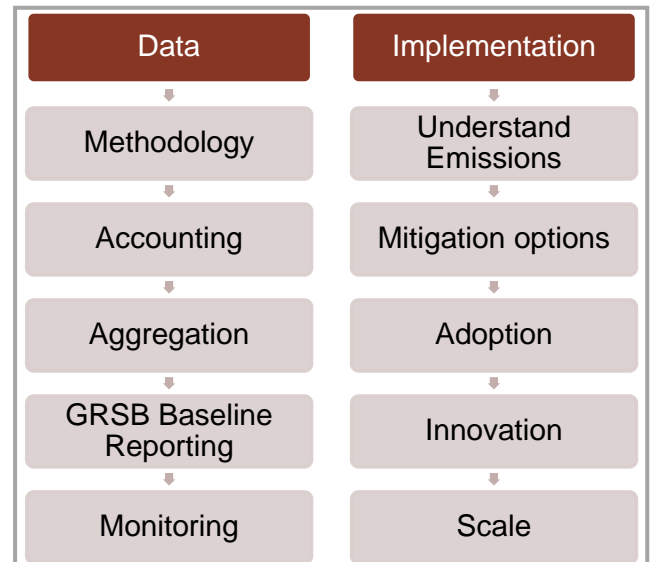
### Accounting

There are several outstanding questions about how GHG's will be accounted for through various standards and at different levels in the supply chain. As conversations around offset and inset carbon markets advances, clarity is needed for the various actors within the supply chain. GRSB is initiating an "Accounting principles and criteria" project with scoping to occur in the third quarter of 2023. Questions, priorities and solutions are expected to be different for the various stakeholders (e.g. Science Based Targets initiative commitments vs. not, banks vs. retail/foodservice/packers).

### Aggregation, Baseline Report and Monitoring

The Global Livestock Environmental Assessment Model (GLEAM) is a Geographic Information System (GIS) framework that simulates the bio-physical processes and activities along livestock supply chains under a life cycle assessment approach. The aim of GLEAM is to quantify production and use of natural resources in the livestock sector and to identify environmental impacts of livestock. This contributes to the assessment of adaptation and mitigation scenarios to move towards a more sustainable livestock sector.

The GRSB Climate working group is meeting with GLEAM developers to understand the capability and data limitations of this model for reporting. The current version 3, is based on 2015 data with a version 4 using 2020 data to be released in 2023. To use GLEAM for the GRSB baseline there would need to be both global and regional carbon intensity estimates, aggregated for GRSB membership countries, with reporting on total emissions and a weighted average emissions intensity.



## Mitigation Pathways

The Food and Agriculture Organization (FAO) has identified several mitigation pathways for beef. It should be remembered that from the 2015 baseline emissions that beef production (and therefore emissions) are projected to grow in order to serve a growing global population. However, various mitigation measures implemented could result in 2050 emissions from global beef production to be lower than the 2015 baseline with greater production.



Learn more about the 2030 Goals at [www.beefstrategy.com](http://www.beefstrategy.com).

*The National Beef Strategy and 2030 Goals are a collaborative effort by Canada's national beef sector organizations including the Beef Cattle Research Council, Canadian Beef Breeds Council, Canada Beef, Canadian Cattle Association (and its provincial member associations), Canadian Meat Council, Canadian Roundtable for Sustainable Beef, and the National Cattle Feeders' Association.*

*The National Beef Strategy promotes a united approach to best position Canada's beef industry to compete for a larger share of the world market and to produce the high-quality beef product of choice in the world.*