
# Comparison of evaluation approaches

For question :
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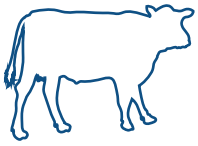
| | Carbone balance | GHG inventory | LCA Life Cycle Assessment |
|---|---|---|---|
| **Scale** | A farm  |  Quebec and Canada | The entire cattle industry  |
| **Goal** | To determine how much CO2 a farm emits and sequesters  | To determine an area's GHG emissions  | To assess all environmental impacts of a product (e.g., beef cattle)  |
| **How it's done** | Measure outputs (emissions) and inputs (sequestration) on the farm  | Record all of Canada's emissions and subtract what is absorbed  | Review everything needed to produce the animal from the field to slaughter  |
| **What it's good for** | Making improvements on the farm and targeting good actions  | Tracking the country's emissions and setting targets  | Seeing where the production impacts are in order to act  |
| **Limits** | › Covers only the farm<br>› Totalling to create an industry-wide portrait not possible | › Does not include imports<br>› Results sometimes misunderstood or misinterpreted for agriculture<br>› Uses a coefficient to calculate the number of units | › Applies only to a product, not a business<br>› Results vary according to the methods chosen |