

Figure 1 LCA of beef supply chain

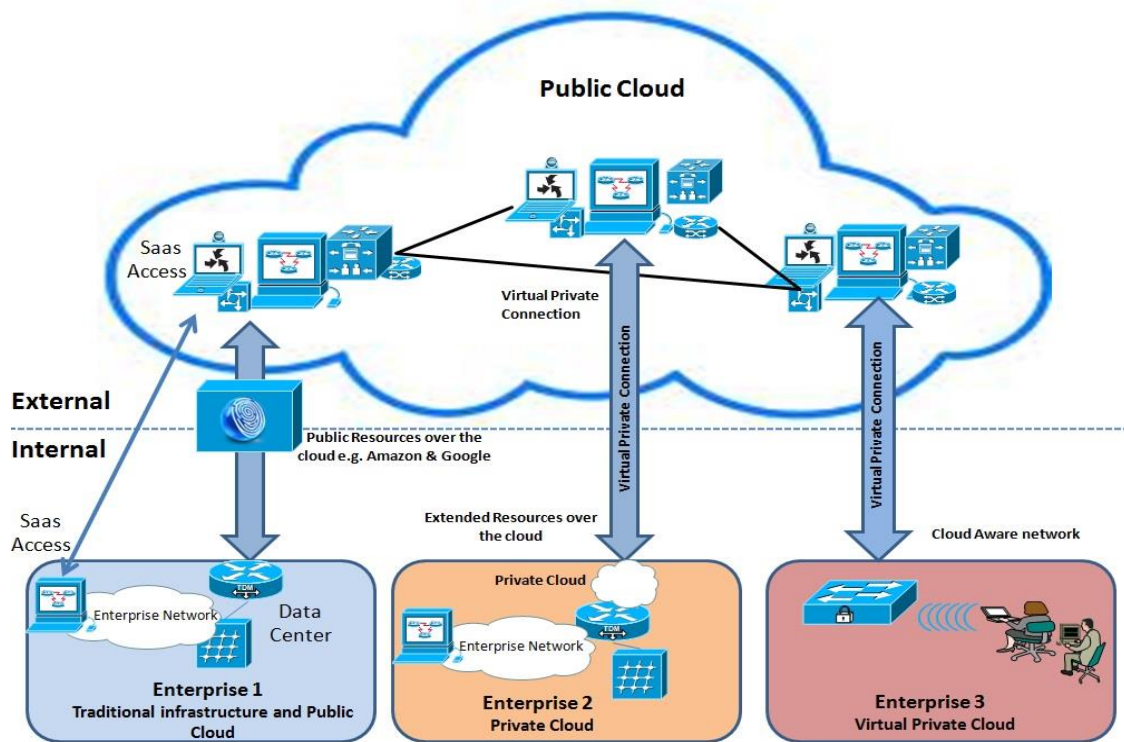


Figure 2 CCT deployment model

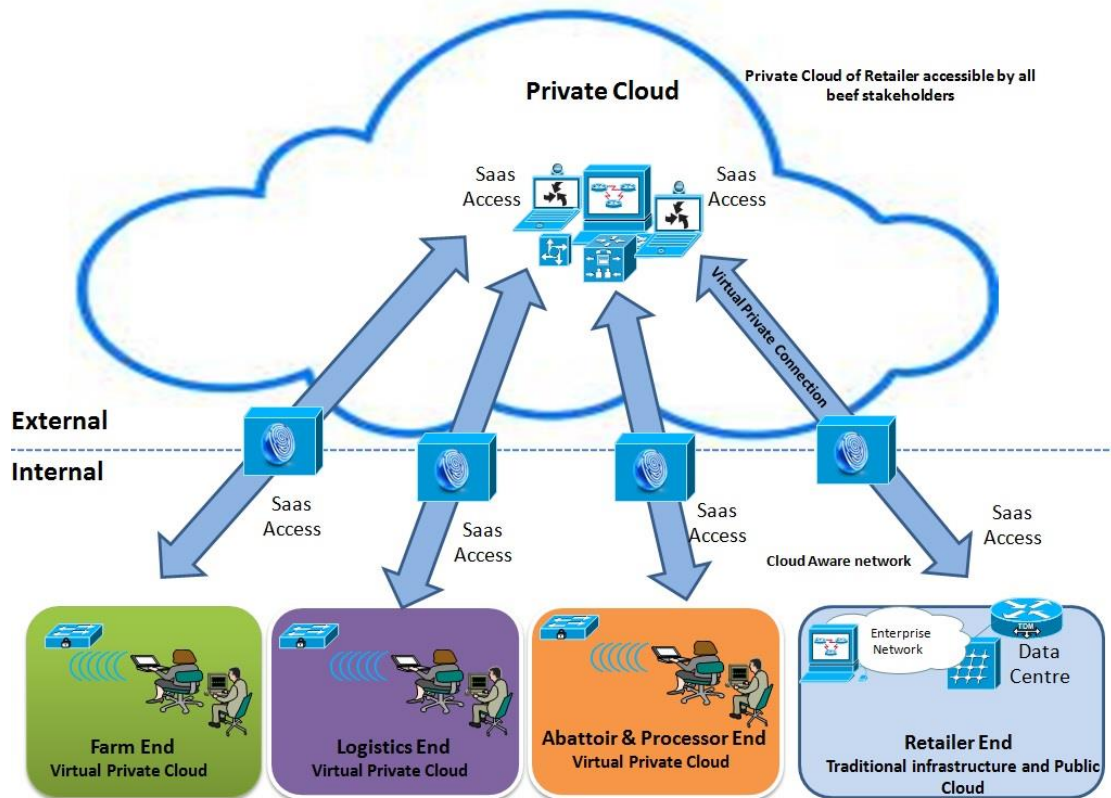


Figure 3 Cloud based conceptual model for beef supply chain

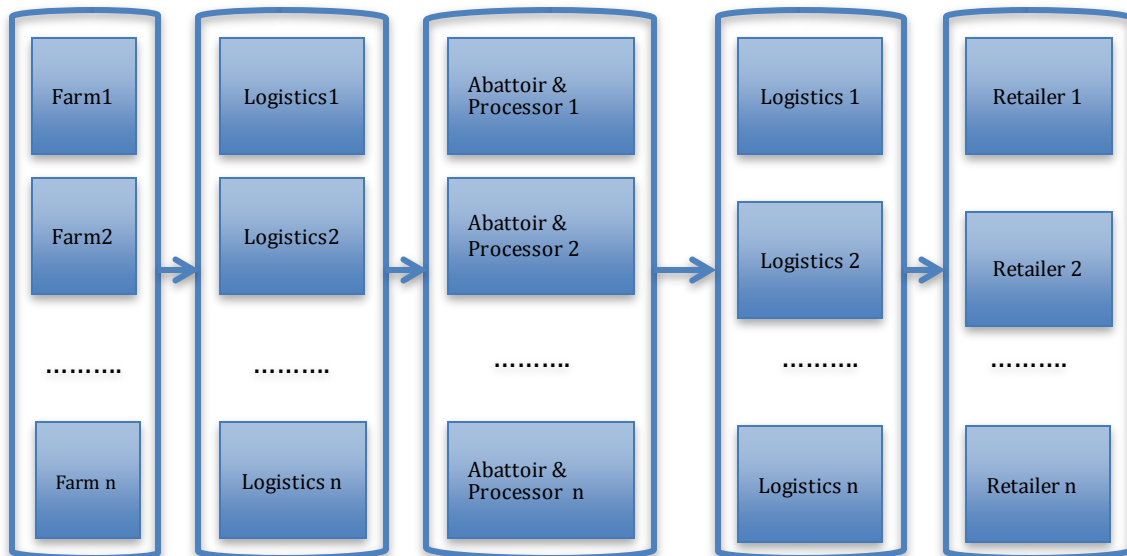


Figure 4. Showing beef supply chain

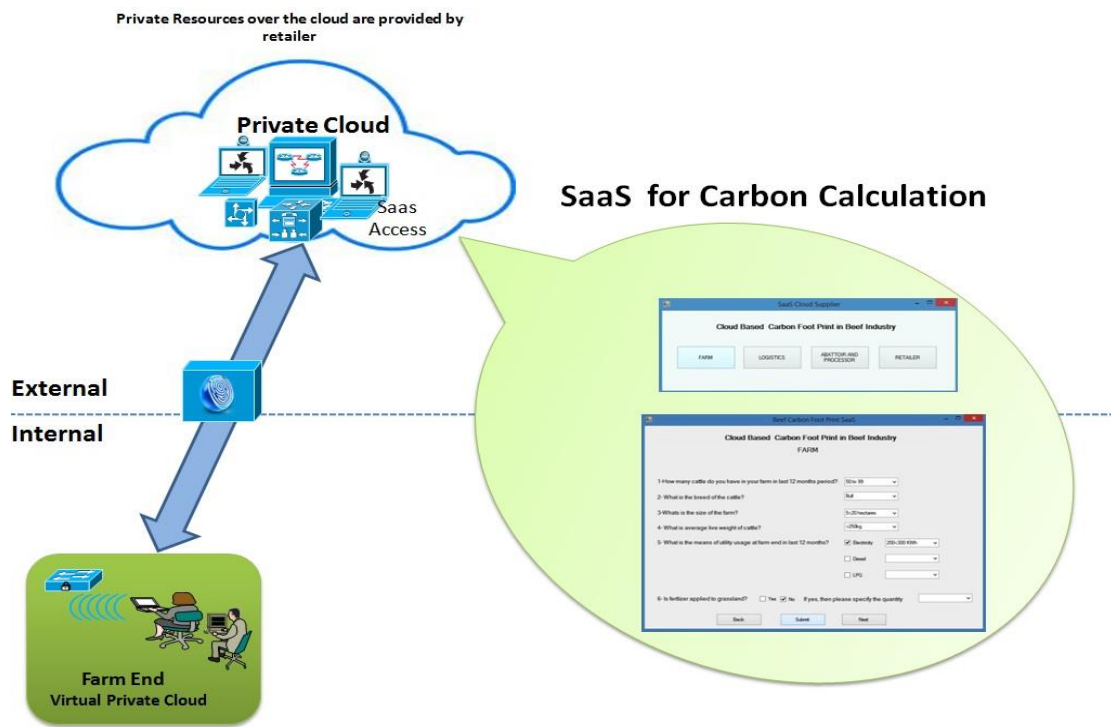


Figure 5 Software as a Service at farm end.

Farm End Carbon Foot Print SaaS

Cloud Based Carbon Foot Print in Beef Industry
FARM

1-How many cattle do you have in your farm in last 12 months period?

2- What is the breed of the cattle?

3-Whats is the size of the farm?

4- What is average live weight of cattle?

5- What is the means of utility usage at farm end in last 12 months?

Electricity

Diesel

LPG

6- Is fertilizer applied to grassland? Yes No If yes, then please specify the quantity

Figure 6 CCT interface at farm end.

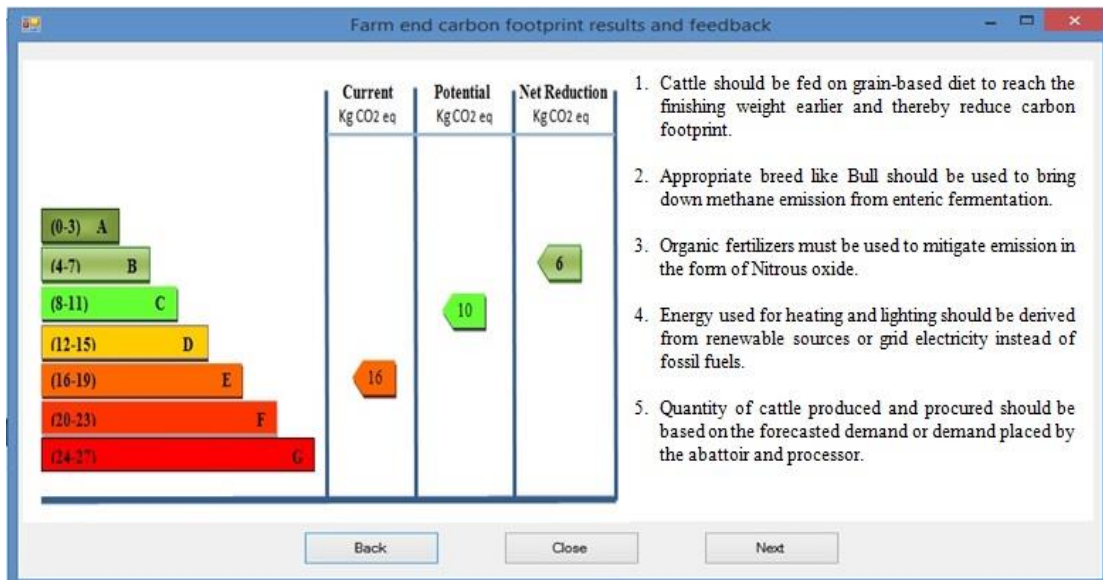


Figure 7 Result of carbon footprint and feedback at farm end.