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Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

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ON AGRICULTURE, FOOD
AND NUTRITION SECURITY
AND CLIMATE CHANGE

Livestock Production: The Private Sector in support of Climate Smart Practices and Food Security

by

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GENERAL COMMENTS

1. Farmers, Processors, Retailers, Investors and Policy Makers should have common goals and responsibilities in ensuring Best Practices and adhere to similar Codes
2. Private Sector is interested in investment and profit and therefore Climate Smart and Best Practice Projects must be attractive in that context

CODE OF BEST PRACTICE

Best Practices implies Sustainability and which in future scenarios and projects should include three components:

- Environmental stewardship
- Social responsibility
- Economic viability

Capper (2013)

Environmental stewardship refers to:

- GHG reduction
- Less water use / clean water
- Maintaining ecosystems and biodiversity
- Limiting waste and pollution

Social responsibility refers to:

- Support to the poor (nations)
- Training and extension
- Job creation
- Food security
- Animal welfare
- Consumer choices and protection

Economic viability refers to:

- Investment
- Start-up costs
- Efficiency of production
- Markets

GHG Emission of Beef production

Mill. ton CO₂ eq / year

East and South-East Asia	380
Latin America and Caribbean	880
Sub-Saharan Africa	190
North America	400
Oceania	90
Western Europe	180

FAO (2013)

GHG Emission of Beef Production

Kg CO₂ eq / kg carcass

East and South-East Asia	47
Latin America and Caribbean	72
Sub-Saharan Africa	71
North America	29
Oceania	36
Western Europe	18

FAO (2013)

EFFICIENCY MEASURES IN PROJECT

- Kg CO₂ eq / kg carcass is a measure of efficiency
- Almost all elements of the three components described can be evaluated as measures of efficiency to establish/predict the viability of the project

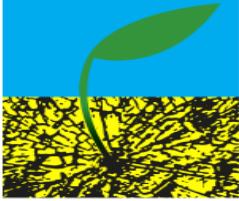
INVESTMENT CAPITAL

- 70% of climate smart agricultural projects in developing countries are from private sector investment PwC (2013)
- Financial incentives (FAO, 2013):
 - Carbon markets: Kyoto-compliant, Clean Development Mechanism (CDM), voluntary carbon (providing credits) etc
 - Multilateral sources: Green Climate Fund, World Bank, Global Environment Facility etc
 - Government / Private Sector Alliance

PROJECTS IN DEVELOPING COUNTRIES

- Large livestock production types from farm to market:
 - Requires an exit strategy
 - Markets often inaccessible by trade barriers and stringent OIE measures (commodity trading)
- Mitigation: carbon and water footprint
- Waste and effluent with value-addition goal

**GROW SMART
TOGETHER
DAY**



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I thank you for your attention!