

Application of the Multi Criteria Decision Analysis (MCDA) in Malawi

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Presentation Outline

 Introduction – Malawi

 Previous SPS Capacity Building Needs Assessments

 Application of the MCDA Framework

- The process

 The MCDA Analysis

- Benefits

- Challenges

 Conclusion

- Message to Interested Countries

- Message to the STDF Secretariat

Introduction – Malawi



Land Area: 118,484 Km²

Population: 15.3 million

Capital City: Lilongwe

Climate: Tropical (cooler in highlands)

Official language: English

Currency: Kwacha

GDP (2011): US\$5, 621m

Merchandise Trade , 2011:

- Imports (US\$2,428million);
- Exports (US\$1,425million)

**Rank in world trade, 2011
(Merchandise):**

- Imports (148);
- Exports (143)

Trade to GDP ratio (2009–2011):
72.7

Previous SPS Capacity Building Needs Assessments

- ❏ The World Organization of Animal Health's (OIE) Performance, Vision and Strategy (PVS) and PVS Gap Analysis for animal health capacity have been applied.
- ❏ The International Plant Protection Convention's (IPPC) Phytosanitary Capacity Evaluation (PCE) of plant health capacity was completed in 2009 by the University of Pretoria
- ❏ A National Bio-security Capacity Assessment was carried out by the Food and Agriculture Organisation (FAO) in 2009, which reviewed food safety, plant and animal health.
- ❏ Others include
 - EIF DTIS
 - WTO Policy Review, etc.
- ❏ The status of implementation of these evaluations are not clear or little has been done due to the general focus of these recommendations =Value for money for investment???

Application of the MCDA Framework

The Process

1. Compilation of information dossier

2. Stakeholder Workshop

- Identification of SPS Capacity Constraints/building options
- Setting of the Decision Criteria
- Setting of Decision Weights

3. Compilation of Information Cards - elimination of perceived SPS constraints that are not and SPS constraints that are already being addressed

4. Analysis – D-Sight Tool

5. Validation Workshop

Application of the MCDA Framework (Cont)

- ☞ Stakeholders Workshop held 8th February 2012
- ☞ 37 participants:
 - Public sector (17)
 - Private sector (9)
 - Donors (6)
 - Research (5)
- ☞ Identified 31 capacity-building options
- ☞ Only 16 Made it through after compilation of information cards
 - perceived SPS constraints and/or options already being addressed were eliminated
- ☞ Detailed data collected by a national support team through face-to-face interviews and working sessions
- ☞ Validation Workshop held on 29th June 2012

E.g. Decision criteria and weights – defined at stakeholder workshop

Criterion	Weight
Cost and difficulty of implementation	
Up-front investment	11%
On-going costs	9%
Difficulty of implementation	8%
Trade impact	
Change in value of exports	20%
Trade diversification	11%
Domestic agri-food impacts	
Agricultural/fisheries productivity	12%
Domestic public health	8%
Environmental protection	7%
Social impacts	
Poverty impacts	9%
Impact on vulnerable groups	6%

The MCDA Analysis



The Result

- **Top 4 Options**, which appear relatively robust irrespective of changes in the weights or the decision criteria:
 - Pesticide controls for tea.
 - Compliance with SPS requirements for chilli sauce exports.
 - Virus indexing capacity for planting material
 - Aflatoxin controls for groundnuts



The Benefit:

- A clear and objective SPS Capacity Building Options prioritized, based on justifiable impacts

The MCDA Analysis (Cont)

- Unlocked funding for two options (underlined above) for programme development with clear objectives
- Feeding into a National Export Strategy and Trade Facilitation Programme



The Challenges

- Data availability
- Stakeholders commitment to share information
- Costing of options
- Those present define the options
 - The result is, somehow, options delinked from the National Development Agenda/focus of export diversification

Conclusion

Message Countries interested in applying the framework.

- Data availability
- Stakeholders commitment to share information
- Costing of options – relevant agency must be ready to take responsibility
- Need to clearly define the link between SPS capacity building and national development agenda,
 - critical that the right stakeholders related to national development agenda attends the stakeholders workshop

Message to the STDF.

- Thanks for introducing us to the framework
- Thanks for supporting us use the PPG
- Thanks for your staff dedication to support us technically



Thank you for your attention