





Agrifood Standards – Ensuring Compliance Increases Trade for Developing Countries (ASEC)

Presentation by NRI

- Ulrich Kleih: SPS Toolkit Causal Chain Analysis, Value Chain Analysis and Cost Benefit Analysis;
- Hanneke Lam: SPS Toolkit Institutional Analysis and Strengthening of SPS Coordination Systems;
- Dr Diego Naziri: Commodity Based Trade / Namibia project;
- Andrew Edewa UNIDO, Nairobi, and PhD student at NRI; contributed to SPS toolkit development.



ASEC Programme - Overview

- Supported by DFID Policy Division
- Three components
 - Public sector standards (e.g., Impact assessment of notifications – case studies; SPS toolkit to strengthen SPS coordination systems, assess the impact of SPS notifications, and analyse control measures);
 - Private standards (e.g., GLOBALGAP; National Technical Working Groups; National Interpretation Guidelines);
 - Commodity Based Trade (e.g., Namibia case study on the feasibility of meat exports from the Caprivi strip).





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Toolkit components

- Institutional Analysis and Strengthening of SPS Coordination Mechanisms
- II. Causal Chain Analysis and Sustainability Impact Assessment of SPS notifications
- III. Value Chain Analysis
- IV. Cost Benefit Analysis of Control Measures



Toolkit (I): Institutional Analysis and Strengthening of SPS Coordination Mechanisms

Part I aims to strengthen coordination between and amongst:

- Public sector, private sector and civil society
- National, regional, international and local level
- Food Safety, Animal Health and Plant Health
- ➤ In compliance with WTO SPS Agreement



Well-functioning coordination systems are key for increasing trade and enhancing food safety, animal health and plant health:

- Improve communication of SPS matters, including notifications
- Raise country's/region's ability to discuss and negotiate
 SPS matters at national and international forums
- Increase ability to interact with International Standard Setting Bodies CAC, OIE, IPPC
- Help to identify gaps/overlaps in stakeholders' mandates
- Minimise duplication of efforts
- Contribute to the reduction of costs

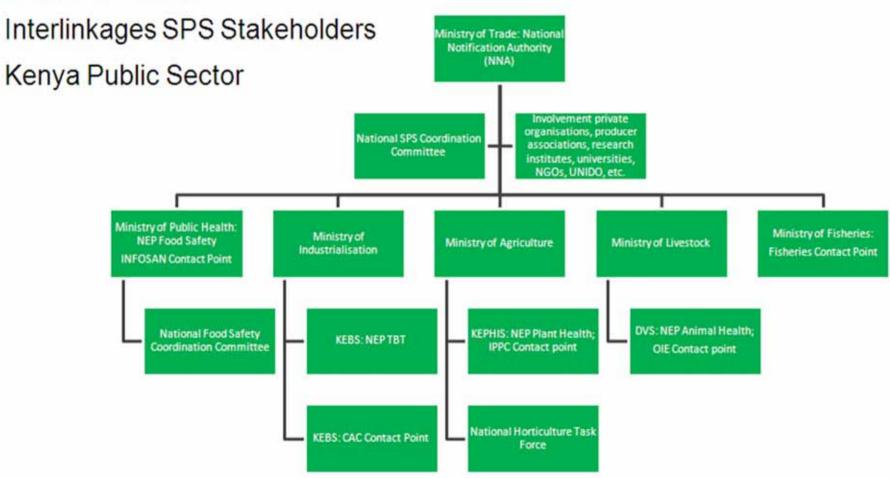


Toolkit (I) provides methods and techniques to:

- Acquire better understanding of the SPS institutional environment by mapping out:
 - (inter)national stakeholders related to food safety, animal health,
 plant health
 - their mutual relationships
 - regulatory system in which they are embedded
- Assess key elements within SPS coordination mechanisms
- Find solutions to overcome identified challenges
- Develop strategies to turn ideas for improvement into action



Mapping Example:



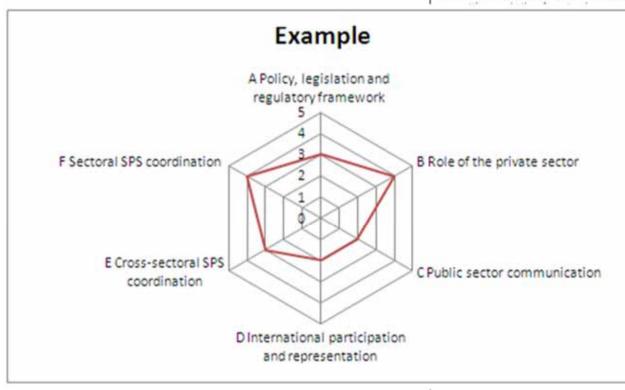


Circle your score

Example performance rating

A. Policy, Legislation and Regulatory Framework

Section A aims to assess the country's legal and regulatory framework in place: the laws, acts and regulations which are designed to govern SPS issues. A conducive regulatory framework starts with high-level buy-in: It is essential that Government officials, especially senior politicians, support and guide the development of efficient SPS coordination mechanisms. This includes the legal and regulatory framework, but also other aspects such as the coordination between concerned Ministries, Departments and Agencies (MDAs), and availability of resources (human, financial and technical). Whether the coordination system needs profound changes and re-design, or only small improvements, all cases require awareness rising (up to the highest levels) on the importance of SPS and the potential impact of related measures on trade and the wider economy. Once this is accomplished, SPS coordination should be integrated into policy and legislation. This is a complicated task as not only many SPS issues are



ironmental policy, private sector ilicy is developed in accordance with						
ommitment of senior Government integrated SPS coordination?	Rating 5 4 3 2 1 0					
nation integrated into policy and	_		_	ting		_
hytosanitary policy which provides 5 issues in a holistic manner)?	5	4	3	-		0
re laws, acts and regulations within	Rating					
d safety, animal health and plant	5	4	3	2	1	0
regulations reflecting international		4	Rat 3	ting		0
policy stipulate which Ministries, sponsible for the enforcement of P5 matters?			_	ting		
extent are research institutes or	Rating					
lopor improve SPS related policy,	5	4	3	2	1	0
Total score for section A						
arsection A (divide total score by 6)						
omments						



Tools and techniques (2)

- III. Recommendations and strategy development to overcome identified institutional gaps
 - Problem Tree Analysis
 - Development of a Strategy
- IV. Development and implementation of action plan and/or project
 - Development of an Action Plan
 - Logical Framework Approach
 - Development of a Project Proposal
- V. Monitoring and evaluation



Coordination: Novel approach

- The SPS Toolkit recognises existing SPS Capacity Evaluation Tools, which are widely adopted and applied (e.g. OIE PVS, IPPC PCE, IICA PVS Tools, etc)
- Part I of the Toolkit complements these as it aims to:
 - address (inter)national SPS coordination, and communication between public and private sector organisations in a more holistic manner
 - help develop a regulatory framework which facilitates integrated and effective SPS policy in accordance with WTO SPS agreement
 - put project management tools in an SPS context: from analysis of current situation to implementation of action plans and projects



Toolkit (II): Causal Chain Analysis and Sustainability Impact Assessment of SPS notifications

Baseline scenario

Changes in trade measures (e.g. SPS notification)

Predicted initial outcomes (e.g. changes in trade flows)

Predicted longer term effects (econ, social, env, process)

Flanking measures (prevention, mitigation, enhancement)





Toolkit (III): Value Chain Analysis in an SPS context

- Most goods and services are the result of a sequence of activities > value chain;
- Some key concepts of value chain analysis (VCA): governance; benchmarking; innovation & upgrading; positioning of the product and the value chain;
- Why value chain analysis is important in an SPS context:
 - ➤ to upgrade the value chain and position the product at a higher level, i.e. access markets where higher prices can be fetched.



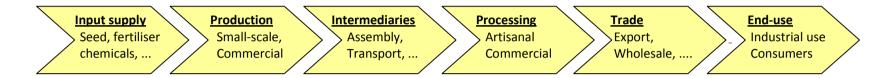
Tools and techniques used for VCA

- Checklist for assessing SPS compliance > understanding:
 - The market (e.g., price premiums for SPS compliance)
 - Value chain and SPS requirements
 - Costs and benefits of control measures
 - Service requirements and providers;
- Mapping the chain > functioning of the chain in terms of end-markets, actors, and their functions;
- Identification of SPS related issues and control measures;
- Financial implications for farmers and other actors in chain;
- Improved SPS service delivery.

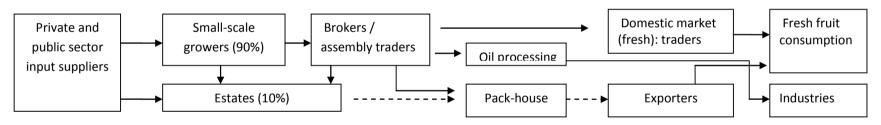


Value chain map - example

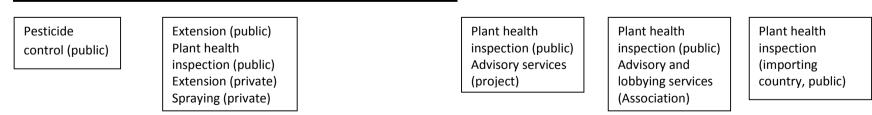
Stages in the Value Chain - Overview of functions



Detailed map of sub-channels and actors within the chain (example)



Map of SPS related service providers and their roles (example)





Toolkit (IV): Cost Benefit Analysis of Control Measures

- Two models: (a) short version; (b) long version;
- Incremental cash-flow analysis for private and public sectors;
- Financial indicators: Net Present Value (NPV), and Internal Rate of Return (IRR);
- Short version: additional sales on export or local markets;
 cost of control measures; other additional costs (pre & p-h);
- Long version:
 - Comparison of all sales and costs for situations with and without SPS control measures;
 - Analysis of three production systems / value chains possible;
 - Sensitivity analysis (i.e. change of key variables);
 - Currency conversion of summary results possible.



Cost-Benefit Analysis of SPS Measures (Plant Health) - Short Version of Model

Overall Overview

Summary of Results

Browse Worksheets

Private sector

Benefits & Costs of Control Measures

Benefits of Control Measures

Costs of Control Measures

Cost of Control Measure 1

Cost of Control Measure 2

Cost of Control Measure 3

Additional Production and Post-harvest Costs

Additional Production Costs

Additional Post-harvest Costs

Residual Value of Investments

Public sector

Additional Income and Costs

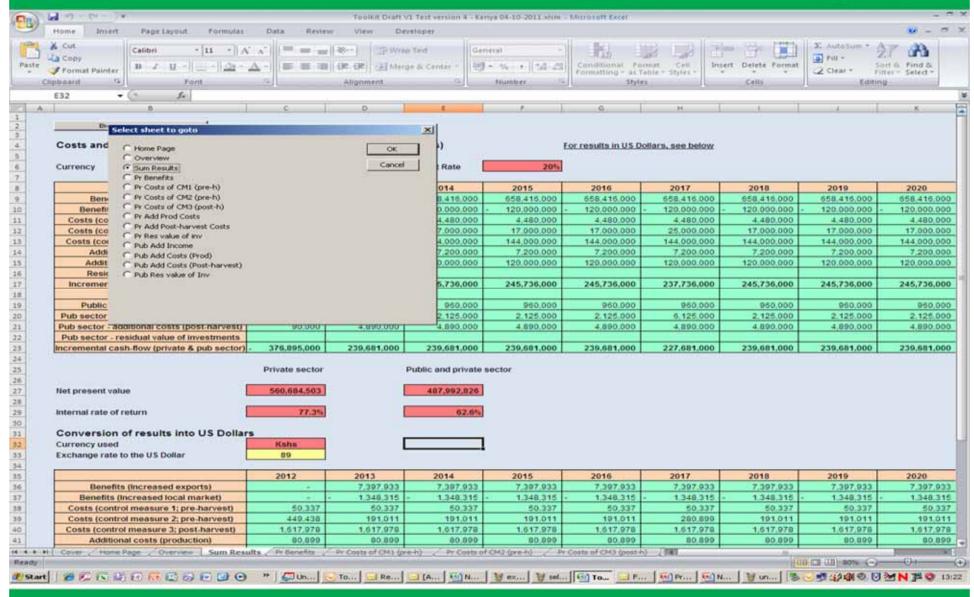
Public sector - Additional Income

Public sector - Additional Costs (Pre-harvest)

Public sector - Additional Costs (Post-harvest)

Public sector - Residual Value of Investments







Cost Benefit Analysis – Long Model, Home Page

ASEC - Theme A: Toolkit to Assess the Costs and Benefits of SPS Control Measures (CM) in the Plant Hea

		Home Page	Browse Worksheets		
		Overall Overview	CM = Control Measures		
		Summary - Overall	CM = Control Measures		
Production systems	Traditional: A	Semi-intensive: B	Intensive: C		
	Summary of results: A	Summary of results: B	Summary of results: C		
Private sector	Sales	Sales	Sales		
	Sales - no CM	Sales - no CM	Sales - no CM		
	Export Domestic market	Export Domestic market	Export Domestic market		
	Sales - with CM	Sales - with CM	Sales - with CM		
	Export Domestic market	Export Domestic market	Export Domestic market		
	Costs	Costs	Costs		
	Production costs - no CM	Production costs - no CM	Production costs - no CM		
	Production costs - with CM	Production costs - with CM	Production costs - with CM		
	Post-harvest costs - no CM	Post-harvest costs - no CM	Post-harvest costs - no CM		
	Post-harvest costs - with CM	Post-harvest costs - with CM	Post-harvest costs - with CM		
	Residual value of investments - no CM	Residual value of investments - no CM	Residual value of investments - no CM		
	Residual value of investments - with CM	Residual value of investments - with CM	Residual value of investments - with CN		
Public sector	Additional income due to control measures	Additional income due to control measures	Additional income due to control meas		
	Additional income - with CM	Additional income - with CM	Additional income - with CM		
	Additional costs due to control measures	Additional costs due to control measures	Additional costs due to control measu		
	Production costs - with CM	Production costs - with CM	Production costs - with CM		
	Post-harvest costs - with CM	Post-harvest costs - with CM	Post-harvest costs - with CM		
	Residual value of investments	Residual value of investments	Residual value of investments		



SPS Toolkit: Challenges and way forward

- Availability of data (some data may be confidential, some may be time-consuming to collect);
- User-friendliness of model;
- Staff may lack understanding of financial calculations;
 - > Guidance notes are required (currently being produced).
- Way forward
 - > Feedback and evaluation required;
 - Packaging of toolkit (soft and hard copies);
 - Dissemination, awareness raising and mentoring activities.