Swaziland

National GHG Inventory Management System and Use of the 2006 IPCC Guidelines

Experiences, challenges and lessons learned in setting up the national GHG inventory system and use of the 2006 IPCC Guidelines

14 - 18 March 2016, Maseru, Lesotho

Presentation outline

GHG Profile

Institutional Arrangements

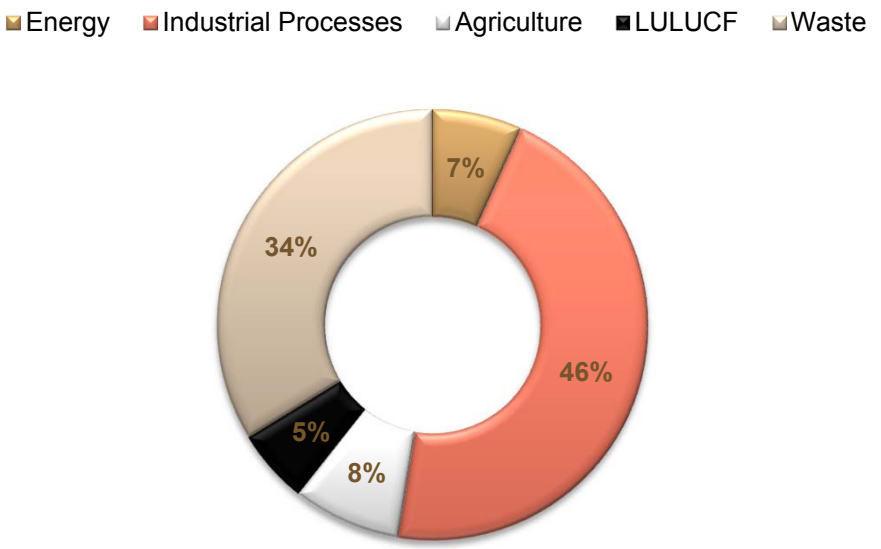
Experiences in Using 2006 IPCC guidelines

Key Challenges

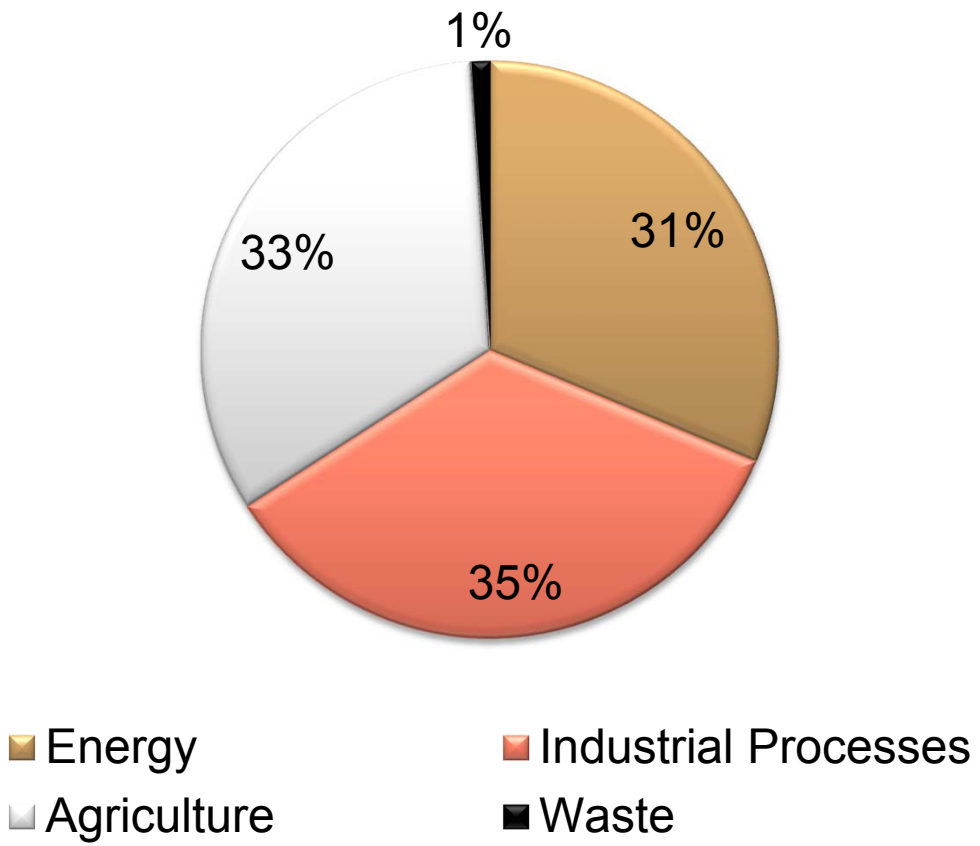
Net steps

GHG INVENTORY PROFILE

Source	CO_2	CH_4	N_2O	HFCs	PFCs	SF_6	Total
	CO_2 equivalent (Gg)						
Energy	1,172.33	121.17	40.30				1,333.80
Industrial Processes				9,053.20		10.30	9,063.50
Agriculture		849.41	753.50				1,602.91
Land Use, Land Use Change and Forestry	1,102.19	2.94					1,105.13
Waste	559.06	366.82	5,731.90				6,657.78
Total	**2,833.58**	**1,340.34**	**6,525.70**	**9,053.20**	**0.00**	**10.30**	**19,763.12**

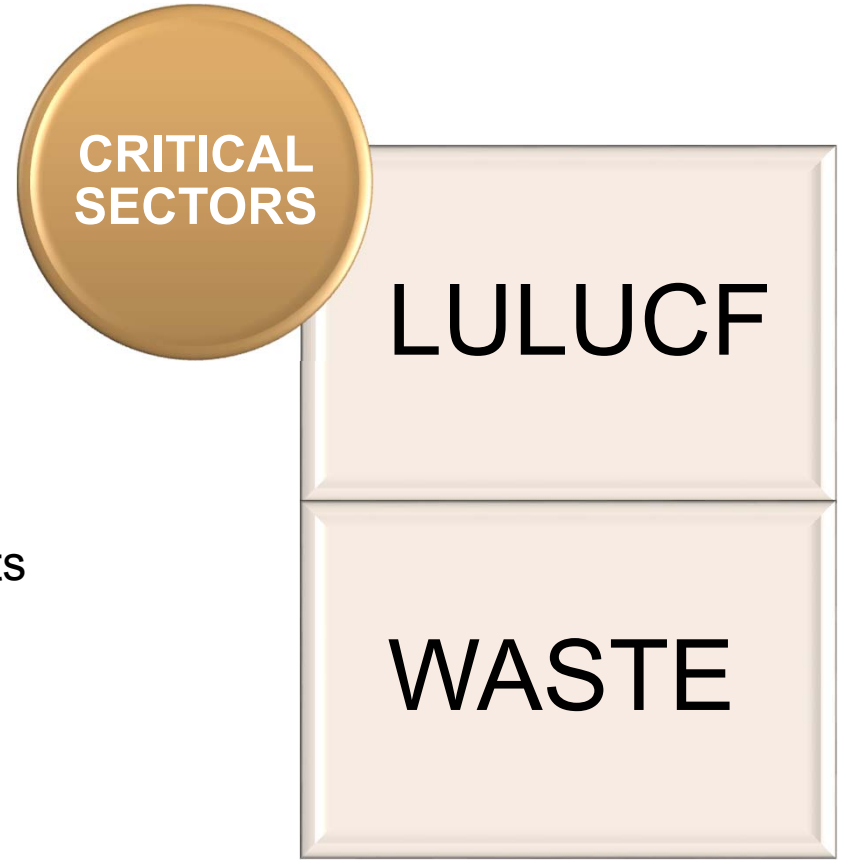


2010 GHG Inventory by Sector

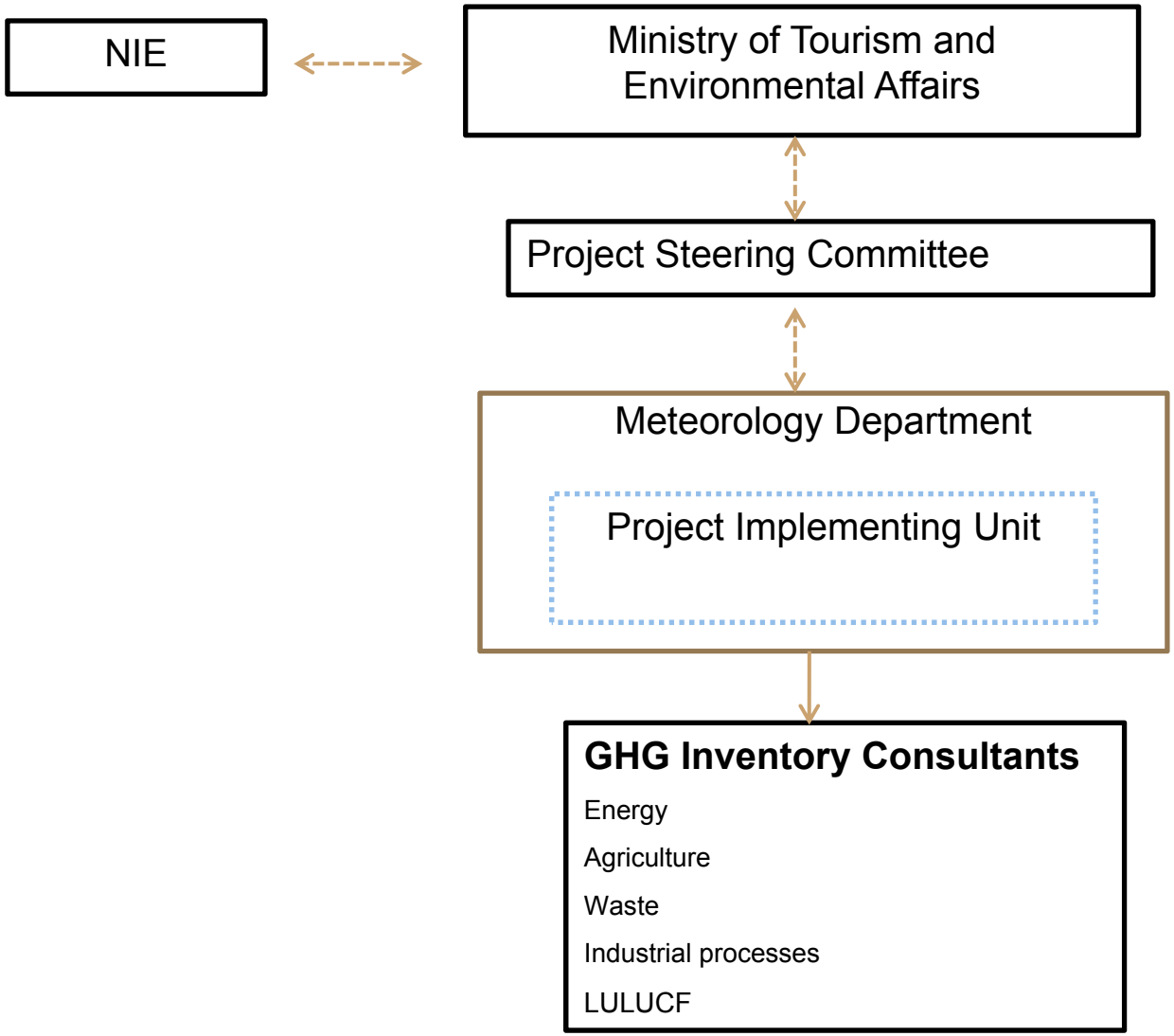


Challenges

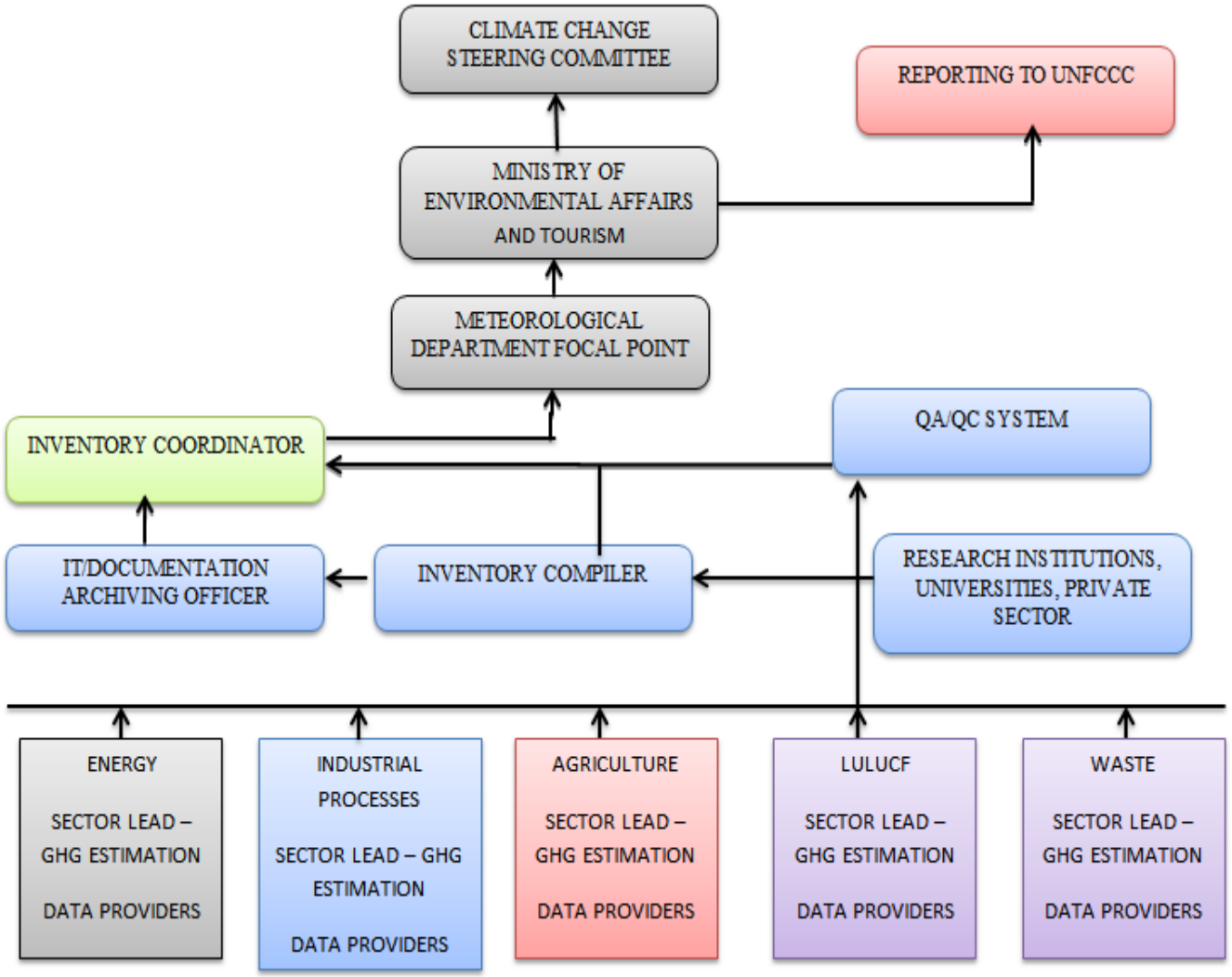
- Data Availability
- Inadequate expertise
- Heavy reliance on external consultants
- No country specific emission factors
- Lack of data Management system



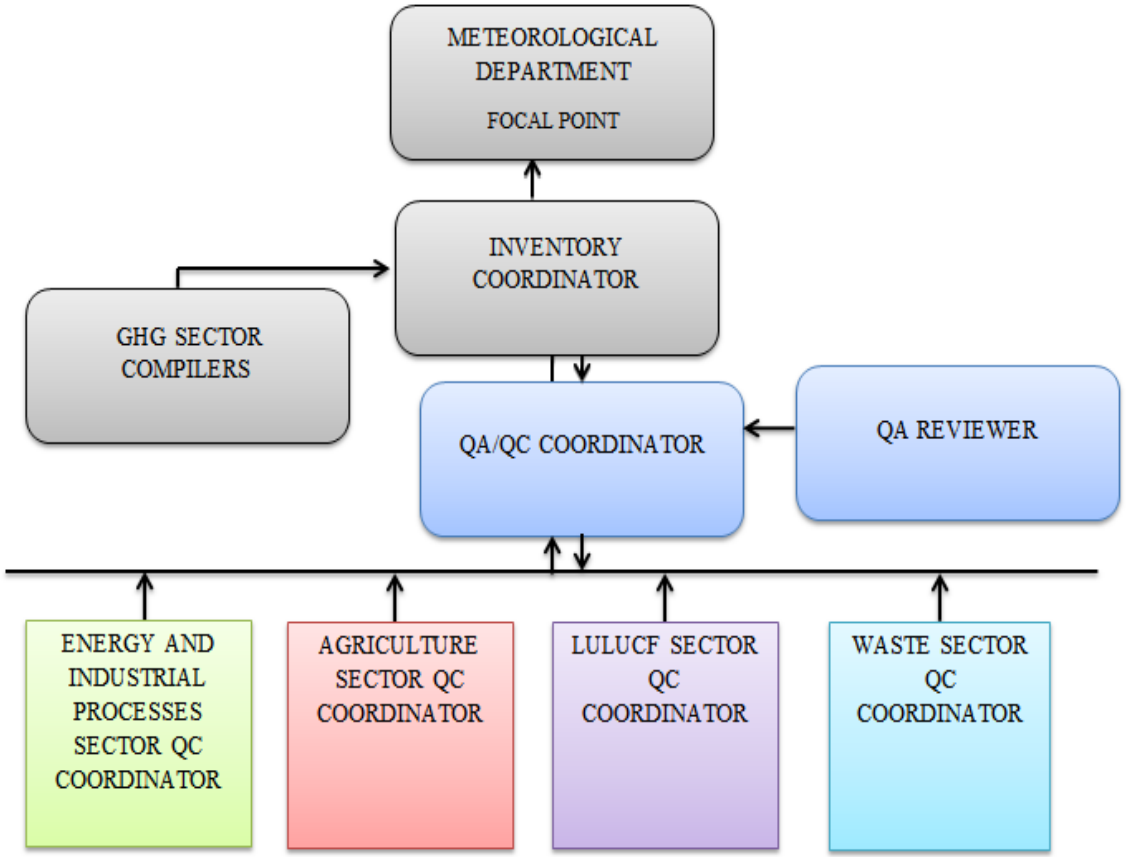
Experiences – INSTITUTIONAL ARRANGEMENTS



Proposed Institutional arrangements



Proposed Institutional Arrangements – QA/QC



DRAFT CLIMATE CHANGE POLICY

GREENHOUSE GAS INVENTORY UNIT

TO PREPARE AND UPDATE ANNUALLY A NATIONAL GHG INVENTORY

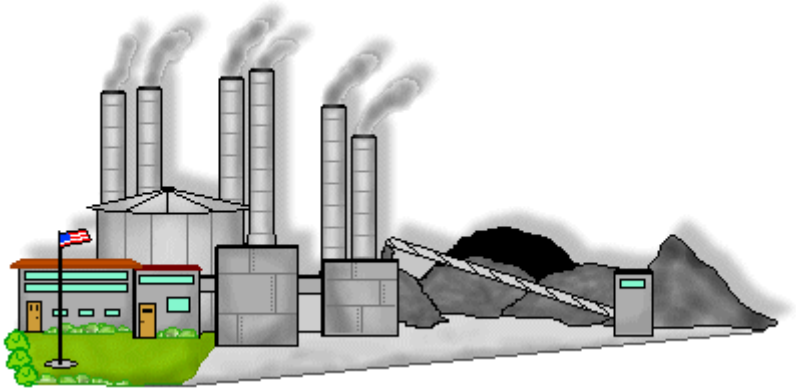
The inventory should conform to the IPCC's 2006 or later guidelines as guided by any COP decisions relevant to GHG inventories

POLICY STATEMENTS

- Enhance national capacity on the aspects of measurement, reporting and verification (MRV), including GHG emissions and climate change actions.
- Collect, manage and use accurate and scientifically sound climate change data and information.
- Collect analyze and compile national periodic greenhouse gas inventory for all sectors as required by the National Greenhouse Gas Inventory Unit.

Experience in the use of the 2006 IPCC guidelines

WASTE



INDUSTRIAL
PROCESSES AND
PRODUCT USE

Key Challenges - experienced in the process of the establishing a national GHG inventory management system

- Inadequate institutional capacity
- Inadequate human resource capacity
- Financial capacity challenges

Next Steps

- Finalize the climate change policy
- Conduct sector workshops for data providers
- Detailed institutional mandates and data-sharing agreements that include work schedules
- Processes to archive inventory information and retain institutional memory
- Next Inventory to use 2006 IPCC guidelines

Thank you