

South Africa: Challenges & Experiences with the MRV Framework & Preparation for the ETF

CGE side-event
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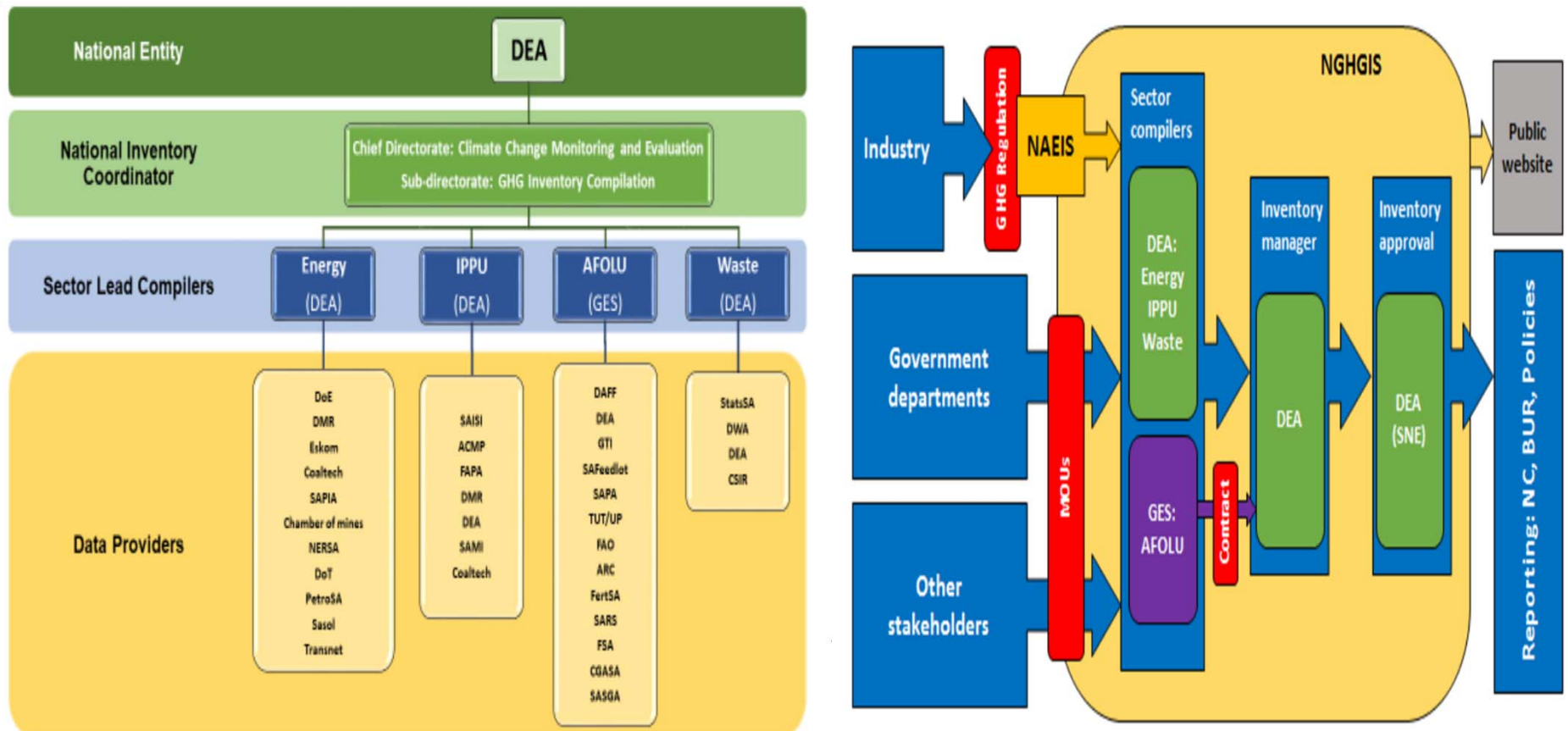
SA International Reporting Status

	Reports	BURs ICA (Technical Analysis)	BURs ICA (FSV)
2003	1 st National Communication with GHGi for 1990, 1994		
2004-2010	-	-	-
2011	2 nd National Communication with GHGi for 2000 (2006 IPCC Guidelines)		
2012	-	-	-
2013	-	-	-
2014	1 st Biennial Update Report with NIR for 2000-2010 (2006 IPCC Guidelines)		
2015		1 st BUR Technical Analysis and Summary Report	
2016			FSV for 1 st BUR
2017	2 nd Biennial Update Report with NIR for 2000-2012 (2006 IPCC Guidelines)		
2018	3 rd National Communication with GHGi summary for 2000-2012 (2006 IPCC Guidelines)	2 nd BUR Technical Analysis	
2019	3 rd Biennial Update Report for 2000-2015 (2006 IPCC Guidelines)	2 nd BUR TA Summary Report	FSV for 2 nd BUR



Key challenges & emerging needs

There were no legal mechanisms to formalize information flows through this institutional arrangement to ensure consistent and sustainable data input for the GHG inventory. This was addressed through the development of GHG reporting regulations and guidelines under the existing National Environmental Management Act: Air Quality (Act No. 39 of 2004, as amended) and the National GHG System described below. The National Greenhouse Gas Emissions Reporting Regulations were published in April 2017, thereby officially launching the company level GHG reporting program in South Africa



Challenges experienced in the Process Preparing National Communication/Biennial Update Reports

- Changes/Losses in key staff members/fewer personnel
 - Full implementation of QC procedures
 - Hence relied quite a lot on QA process to resolve inventory errors
 - Delays in submission of reports
- Some institutional arrangements not yet formalised (work in progress)
- Loss of contacts on data providers
- Using the NGHGIMS system (still new, not everyone has been trained)
- Lack of disaggregated data – GHG Reporting Programme
 - Data often collected at national levels rather than point or direct sources for some categories
 - Making it challenging to use higher tier methods for some key categories
 - Tracking progress (sectoral departments still require capacity with tracking of the mitigation actions as well as associated effects). Ongoing work on identifying sector specific indicators to track our NDC
 - Climate finance in SA is not centralised, thereby making it difficult to track



Addressing Challenges

- Recruiting more staff members (sector compilers of GHG Inventories)
- Capacity Building for key personnel
- Formalising data collection processes (MoUs)
- Mandatory GHG emissions Reporting Programme & Guidelines(including amendment)
- Using the NGHGIMS to document all GHG inventory compilation procedures including data archiving
- Improving the accuracy estimating our through the GHG Reporting Programme (In BUR-2, SA used country-specific emission factors for major fuels such as coal, used country-specific data for estimating emissions from F-Gases, used tier 3 methodologies in Aluminium production & working towards inclusion of all categories)
- Development of the climate change tracking and evaluation system of South Africa. Also incorporate tracking of climate finance. Continue to track progress towards achievement of our NDC, ie remaining with the PPD trajectory range & evaluate the effectiveness of our PAMs.



Preparation for the ETF

- Use of 2006 IPCC guideline
- Country specific emission factor- higher Tier methodologies for key categories
- Recalculation of entire time series (introduction of new methodologies)
- Consistent time series, 2000 base year. Draft 2000-2017 NIR to be submitted with BUR-4 in December 2020. 1st attempt at X-3?
- Tables on Support Received & Needed
- Some more work needs to be done

Support Needed

- Development of sectoral indicators to track progress (financial and technical support needed)
- Operationalisation of the M & System (SA's CBIT Project)
- Incorporation of Climate Finance tracking into the system (financial support needed)
- In country analysis of Draft NIRs, BURs (Secretariat assisted with the 2000-2017 NIR)



Thank You

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Climate Change; Air Quality and Sustainable Development

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International Reporting on Climate Change: BURs & NCs, CBIT, ETF



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