

# Update on the NAEIS implementation:

10<sup>th</sup> National Air Quality Governance Lekgotla 2015

Bloemfontein, Free State

Tsietsi Mahema: Department of Environmental Affairs

29 September 2015: Session 8 .3



Climate Change and Air Quality



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# Presentation Outline

- NAEIS Capacity Development and Support
- 2015 Emission Reporting Summary – WGII
  - Process
  - Progress and Statistics
  - Baseline Auditing by AELA
  - Draft Emission Inventory Report
  - Lessons Learnt
- 2016 Reporting Process
  - Preparation of Master List
  - E-notification for 2016 Reporting
- NAEIS Proposed Plan for Non-Industrial Sectors



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# NAEIS Capacity Development and Support to Industries

Ferro Alloys Producers Association	16 May 2014	12
Busa Representatives	09 June 2014	8
South African Petroleum Industry Association	21 July 2014	18
NMBM Industry	10 July 2014	45
Engen Petroleum	08 August 2014	35
Cement Production Industry	14 August 2014	16
Sasol	20 August 2014	8
NW Industry, NAPCof	03 September 2014	25
NMDM Industry	10 November 2014	28
Mining Sector	29 October 2014	22
Clay Bricks Manufacturing Sector	17 November 2014	8
Pulp and Paper Sector	27 November 2014	18
Gauteng Industries	02 December 2014	22
Eden District Municipality Industries	20 January 2015	25

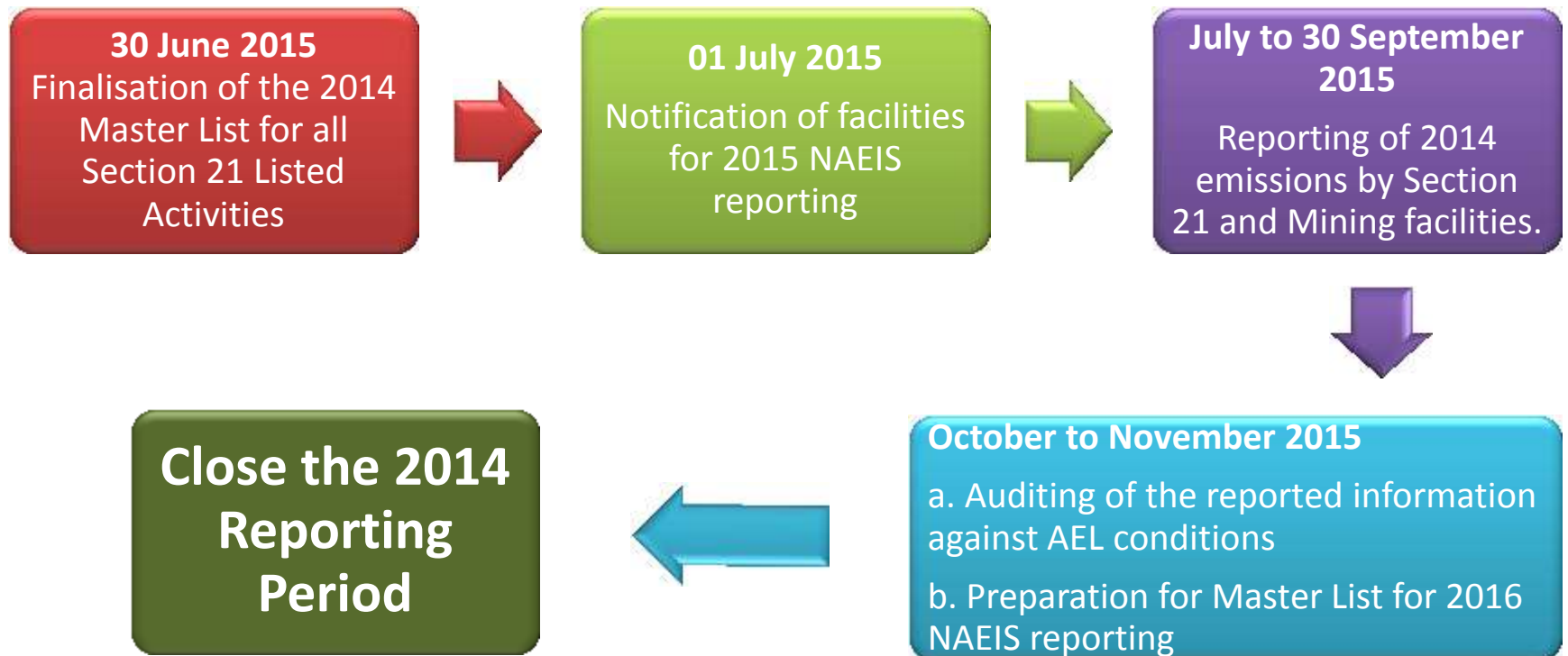


# NAEIS Capacity Development and Support to Industries

Eden District Municipality Industries	20 January 2015	25
Chemical Allied Industry Association (CAIA)	29 January 2015	9
Uthungulu District Municipality Industries	04 March 2015	20
Ethekwini District Municipality Industries	05 March 2015	65
Amajuba District Municipality Industries	21 April 2015	30
Kumba Iron Ore	22 April 2015	6
Transnet (All Business Units)	17 June 2015	15
Glencore and Exxaro	30 June 2015	20
Petroleum Sector (SAPIA)	03 August 2015	19
Ekurhuleni District Municipality Industries	03 September 2015	16
Eskom	02 September 2015	2
West Coast District Municipality	15 September 2015	26
Cement Production Industry	21 September 2015	16
Mpumalanga	23 September 2015	60
<b>Total</b>		<b>594</b>



# 2015 Emission Reporting: 1 Process



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# 2015 Reporting: 2. Progress and Statistics

Activity	Number of Facilities	Comments
Facilities notified (both Section 21 and Mines)	<b>1032</b> facilities	<b>924</b> Section 21
Facilities confirmed emails	<b>522 (% of total facilities)</b>	Using this confirmation to update AO details in NAEIS
Facilities reported 2014 emissions	<b>57 (as of 1230 this afternoon)</b>	Voluntary reporting hence there are no NAEIS compliance implications for those that didn't report

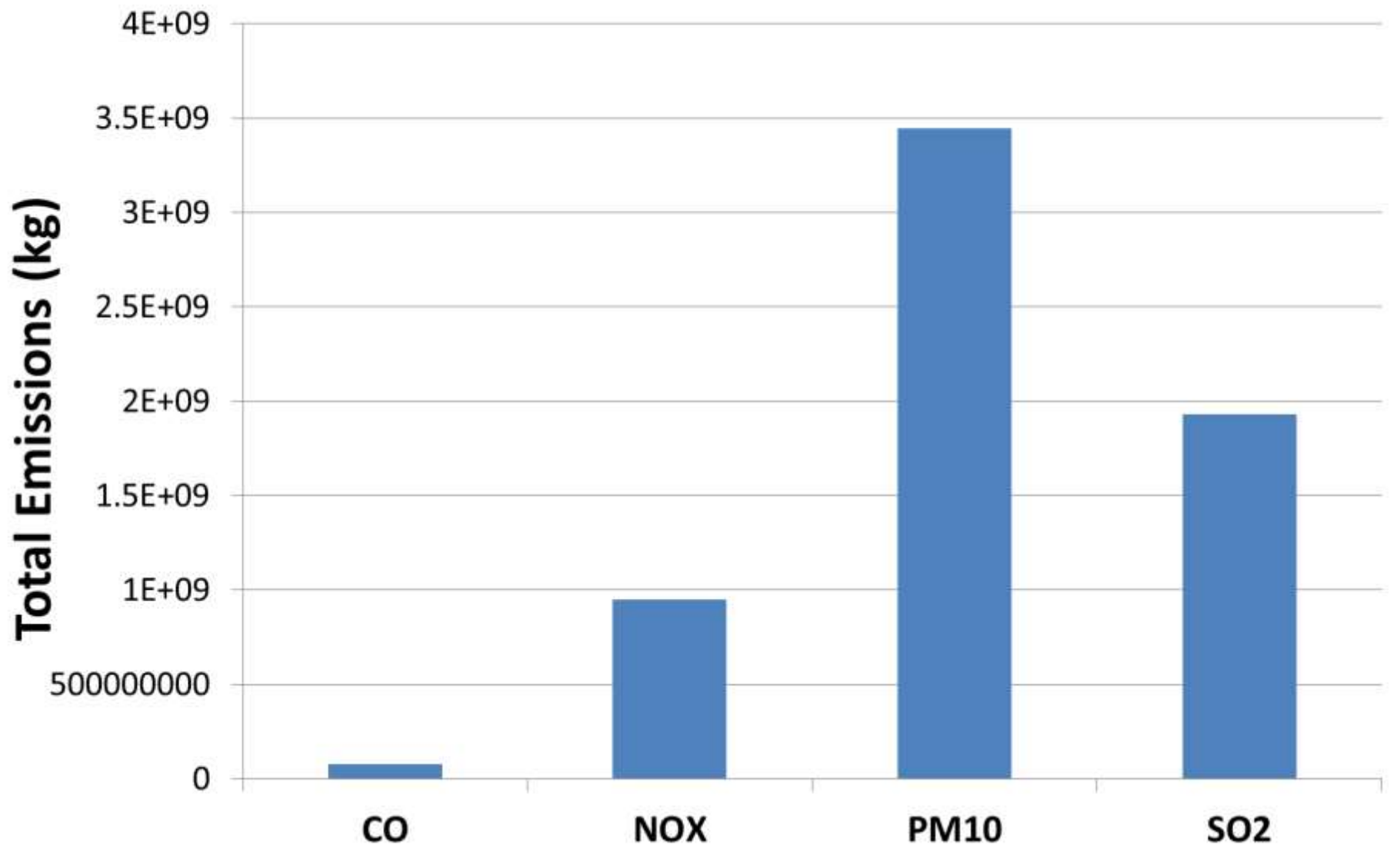


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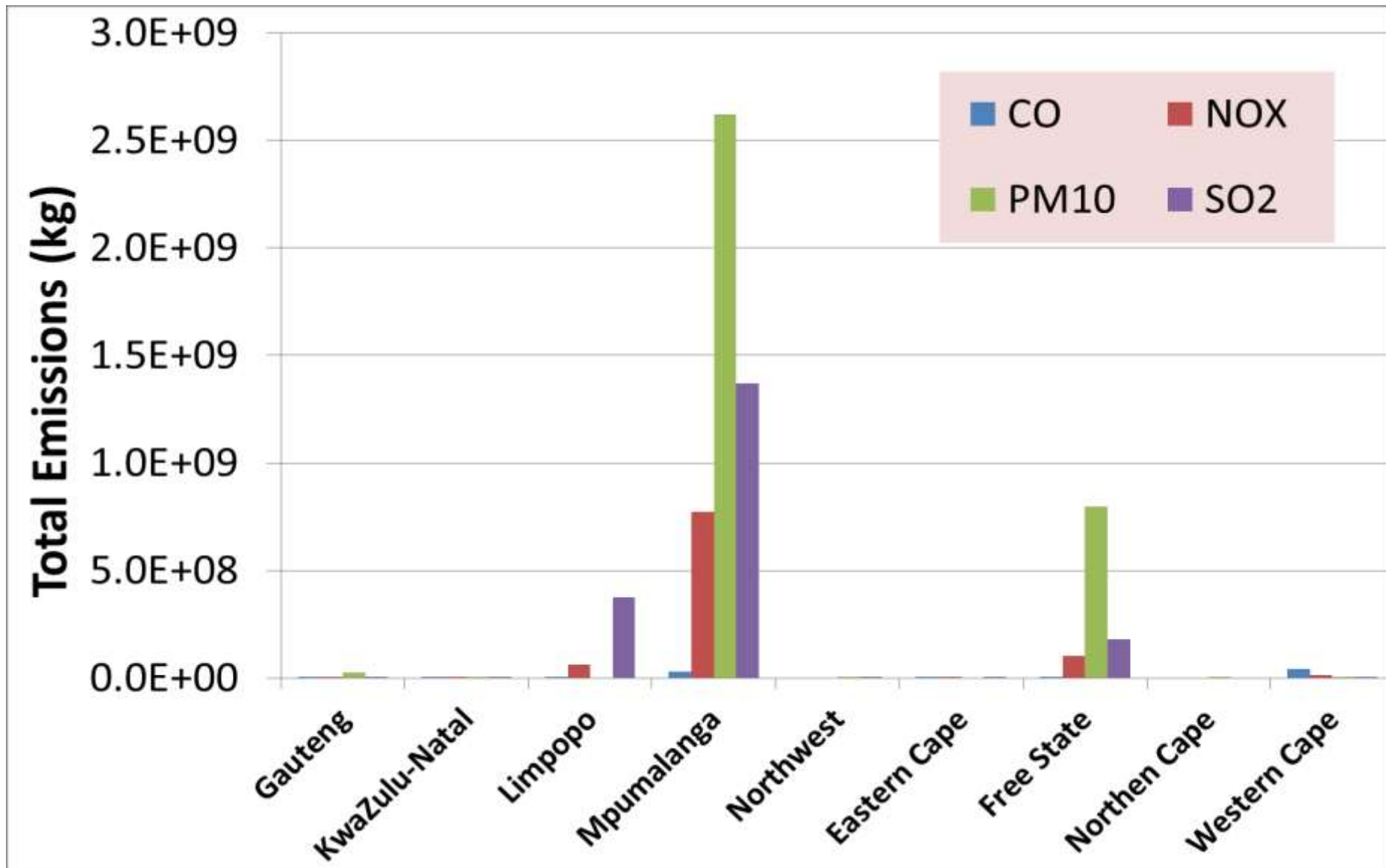
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# 2014 **Draft** Emission Inventory Profile



# 2014 **Draft** Emission Inventory Profile





# 2015 Emission Inventory: 3. AEELA Auditing

- AEELA **URGED** to audit submitted reports as was agreed in the WGII Implementation Plan
- This auditing should focus on ensuring that all information below is captured correctly
  - Stack parameters
  - Emission Units at the facility producing emissions are
  - Control devices – abatement devices used to reduce the amount of pollutants into environment
  - Ensuring that the **RIGHT** Section 21 categories are captured in the NAEIS reports
- In order to support AEELA, DEA has developed the **Technical Guidance Document on NAEIS Auditing**



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# 2014 EI Reporting: Lessons Learnt

- Accounting Officers are an **EVER CHANGING** component of NAEIS Master List
  - **AELA** need to **TAKE CHARGE** of managing NAEIS ensure that reports are timely submitted (**not DEA**)
  - **PROVINCIAL SUPPORT ESSENTIAL** – e.g., experience from EC, WC, Ethekewini are playing pivotal roles in supporting their municipalities/facilities
  - Need to have consistency in translating AEL activities into NAEIS as AELA have defined EU, stacks differently in AELs across the country – WGII discussion



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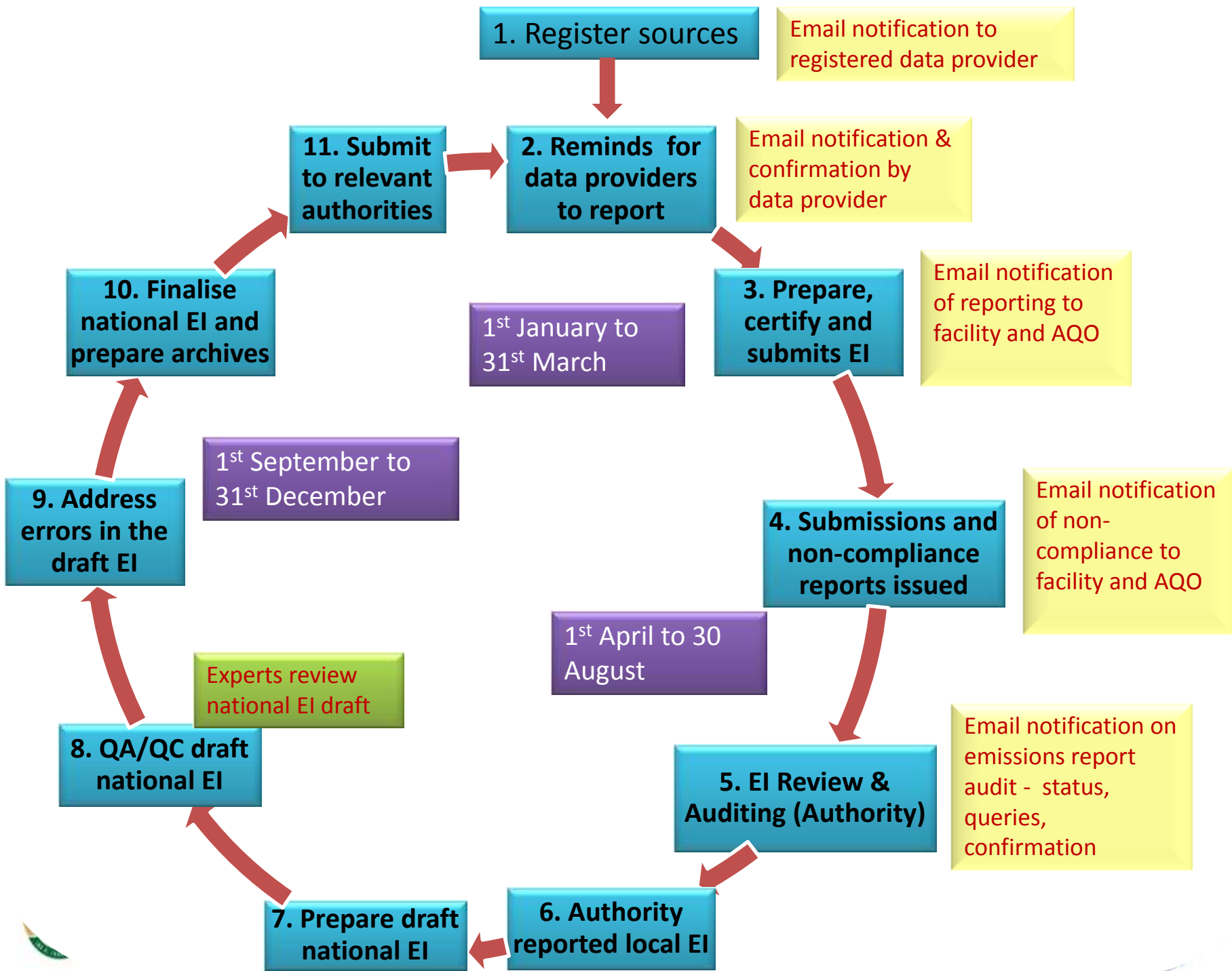
# NAEIS Reporting Cycle: 2016 and Beyond



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# 2016 Reporting Process

- 2016 Reporting Process and Beyond
  1. Preparation of Master List
  2. Enotification for 2016 Reporting by **15 Dec 2015** and for subsequent **years: 15 December of every year**
  3. Check for compliance against NAEIS Reporting Regulations
  4. Audit EI Reports from Section 21 and Mining Facilities
    - *DEA to Draft the National Emissions Inventory Report*
    - *DEA to conduct the Expert Review of NAEIS and EI Reports*
    - *Share outcomes with authorities and facilities*
    - *Identify and address review findings*
    - **NAEIS SOPS finalised and will be online by end of October 2015**



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# NAEIS Proposed Plan for Non-Industrial Sectors

**2016**

**First NAEIS reporting:**

Section 21

Section 23

Mine and Quarries

**2016-17**

**Developing guidelines for sectors:**

- Residential  
Agriculture and Fishing  
(biomass burning included)
- Transport
- Waste
- Land Use and Forestry
- Natural Sources

**2018**

**NAEIS Implementation  
for Non- Industrial Sector  
Reporting**

# NAEIS Focus: Low Hanging Fruits

- Focus on getting Section 21, Mining and Section 23 reporting **efficiently**
- Getting ALL in the Master List
- Improving Auditing of Emission Reports
- Improving Emission Factors and other estimation methods
- ENSURING that Section 21 emission reports are based on **CREDIBLE DATA / TRUSTED**



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# NAEIS Reporting Recognition

- Annual Recognition
- Based on Best Province/Municipality /Metro
- For 2015 we have
  - First NAEIS Emissions Report – ACSA Cape Town
  - First NAEIS Authority Audit – Mr Ed Filby



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**Thank You**

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