



Ministry of the Environment
& Climate Change



FACILITATIVE SHARING OF VIEWS – SOMALIA

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60 sessions of SBI, FSV Presentation

5 June 2024, Bon, Germany

PRESENTATION OUTLINE:

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Background

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**Green House Gases
(GHG) Inventories**

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**Proposed Mitigation
Actions & Effects**

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Proposed MRV

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**ETF Transition &
Implementation**



Geographic Location

Somalia is situated in the Horn of Africa, between latitudes 2° south and 11°59' north and longitudes between 41° and 52° east,

Land area: 637,540 km².

Coastal line

3330 km long with the width of 200 nautical miles.

Population

Approximately 20 million



Climate Vulnerability, and Somalia's contribution to global warming

- ➔ Somalia is one of the most vulnerable countries to climate change and climate variability- dependent on climate-sensitive agriculture and pastoralism (70%)
- ➔ It contributes ~ 0.03 % of global GHG emissions that responsible increasing temperature of the global earth.





National Policy and Institutional Frameworks



Number of policies and Strategies relevant to Climate Change Adaptation and Mitigation have been developed/drafted including:

- ▶ National Water Resource Strategy 2021–2025
- ▶ National Development Plan-9 (2020 – 2024)
- ▶ National Climate change policy (2020)
- ▶ Somalia National Action Programme for the UNCCD (2016)
- ▶ National Environmental Policy (NEP) (2020)
- ▶ National Voluntary Land Degradation Neutrality Targets (2020)
- ▶ Environment and Social Impact Assessment Regulation (2021)
- ▶ National Food Security and Nutrition Policy (2020)
- ▶ National Drought Plan (2020)
- ▶ National Biodiversity Strategy Action Plan (NBSAP) (2015)



Institutional Framework

Federal Ministry Of Environment and Climate Change; (UNFCCC focal point and NDA)

**National Climate Change Committee (NCCC);
coordinating and supervising the implementation of the climate change policy**

**Federal Member States line Ministries
(MoECC); implementing agencies**

Centre for Climate Change Research

**Private Sector, Civil society and academic
Institutions; implementing agencies**



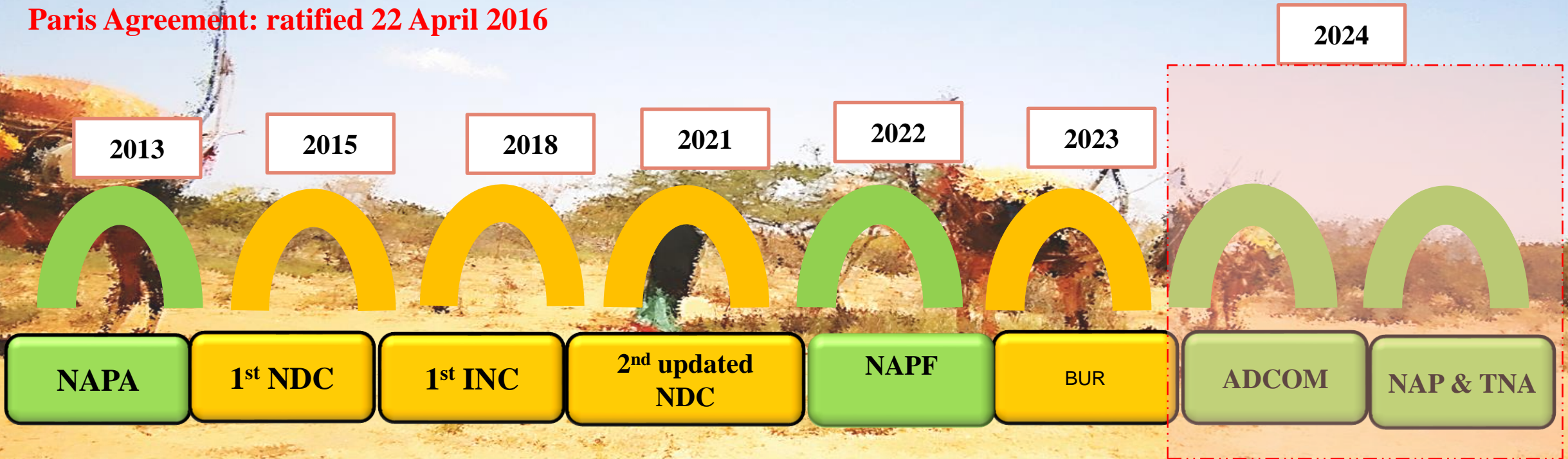


Somalia's Compliance to the UNFCCC

Party: Non – Annex 1

Kyoto Protocol: ratification 26 July 2010

Paris Agreement: ratified 22 April 2016



NAPA= National Adaptation Plan of Action; NDC= Nationally Determined Contribution; INC=Initial National Communication; BUR=Biennial Update Report; ADCOM=Adaptation Communication; NAPF=National Adaptation Plan Framework; NAP = National Adaptation Plan; TNA=Technology Need Assessment



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Effective Coordination &
Strengthen Partnership



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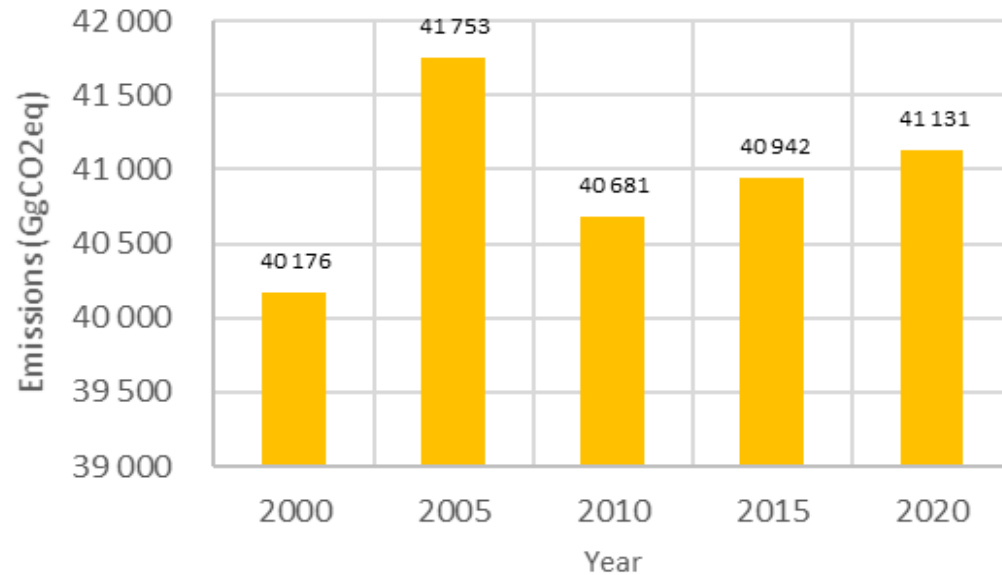
Greenhouse Gases inventory: National trends in Somalia's emissions and removals

- ▶ GHG emissions and removals by sinks for the period between 2000 and 2019 was prepared using IPCC 2006 guidelines.
- ▶ The Inventories were based on the five IPCC sectors: Energy (including transport), Industrial processes, Agriculture, Forestry, Land Use and Waste.
- ▶ In 2020, the total greenhouse gas emissions were equivalent to 41, 131 Gg CO₂eq including the LULUCF Sector.
- ▶ Agriculture, Forestry, and other Land use (AFOLU) contribute to over 92% of the country's emissions while the energy sector, waste and IPPU contribute 4%, 3% and 1% percent respectively.

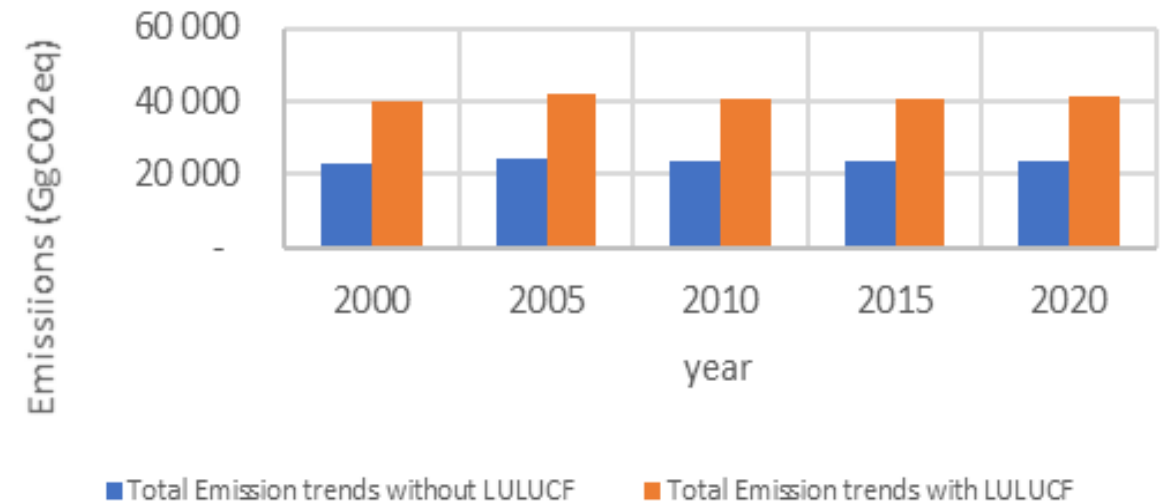


GHG Inventory cont...

Total GHG emission trends in Gg CO₂eq



Trends in emissions (Gg CO₂eq) comparison with and without LULUCF



LULUCF = Land Use, Land-Use
Change and Forestry

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Mitigation Actions & Effects

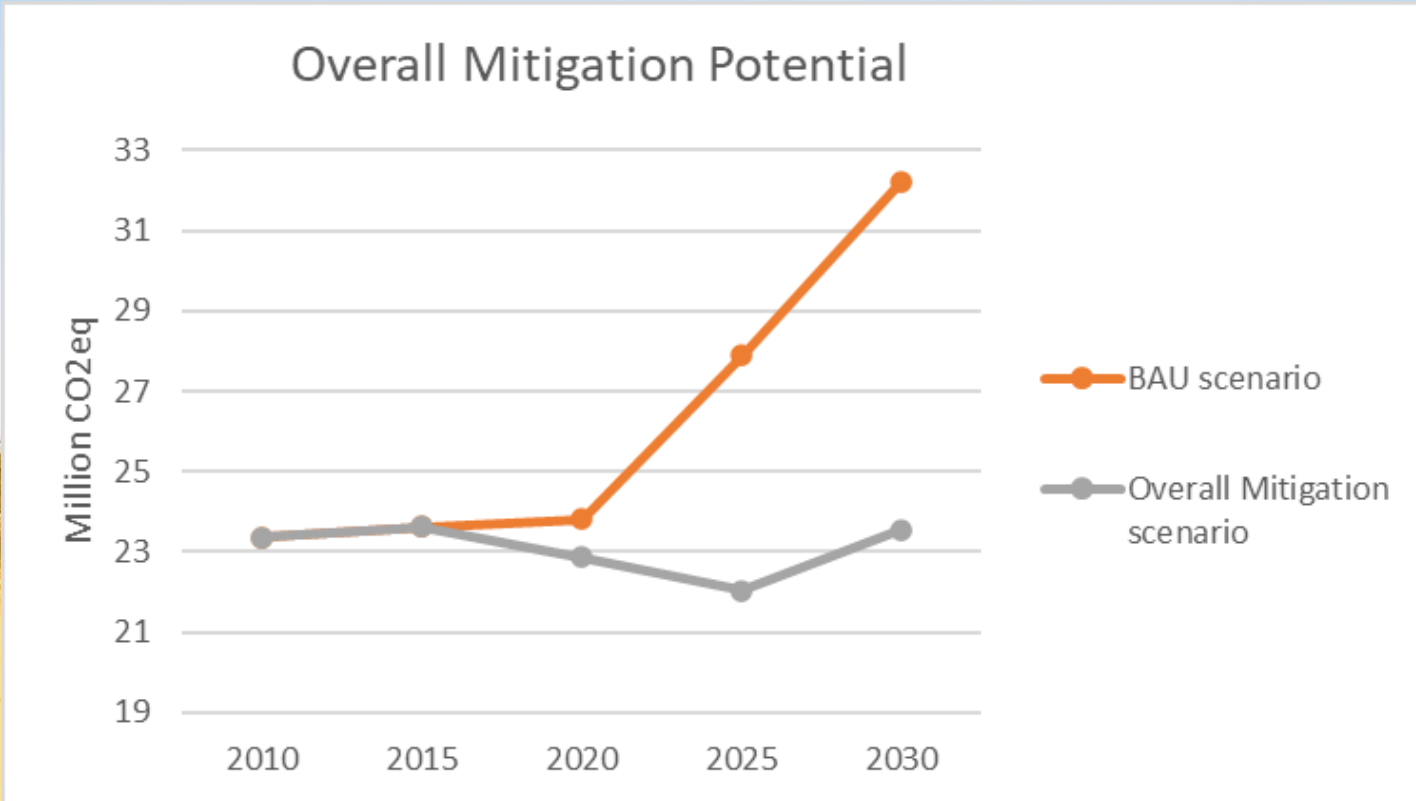
- ▶ Use of atmospheric nitrogen fixing plants to reduce fertilizer usage and conservation of existing forests.
- ▶ Sustainable Management and utilization of natural resources
- ▶ Energy efficiency in residential, commercial, and industrial sectors as well as reduction of transmission and distribution losses
- ▶ Development of renewable energy electricity (Solar and Wind) and distributed systems
- ▶ Promote standalone solar home system by reducing tax on solar PV products
- ▶ Afforestation, agroforestry and Reforestation of degraded including mangrove restoration
- ▶ Improvement of road conditions/road investments.
- ▶ Sustainable waste management practices



Proposed Mitigation Actions & Effects



- ▶ Energy Efficiency in power transmission
- ▶ Clean and Energy efficient Cookstoves
- ▶ Distributed Renewable lamps/Portable solar lanterns
- ▶ Sustainable agriculture
- ▶ Agroforestry
- ▶ Rangelands restoration and rehabilitation
- ▶ Sustainable Land Management & Conservation
- ▶ Afforestation and Reforestation of Degraded Forests
- ▶ Improvement of road conditions
- ▶ Improving vehicle stock efficiency
- ▶ Development of properly engineered sanitary landfills



In these Mitigation Actions; the country will potentially reduce combined reduction of 9MtCO₂ equivalent which is 20% abatement potential from key sectors.



- ▶ **The FRS has no elaborate Measurement, Reporting and Verification (MRV) system in place.**
- ▶ **The country is in the process of developing an adaptation action monitoring tool.**
- ▶ **A Web-based platform is proposed that integrates adaptation, mitigation and support that help tracking, analysis and enhancement of progress towards Somalia's transition to a low-carbon economy and climate-resilient pathway.**



Integrated Monitoring, Reporting and Verification (MRV) Framework

Component 1: National GHG Inventory

- GHG emission sectors
- Monitoring and data collection
- GHG emission calculation
- Analysis and reporting
- Results and communication

Component 2: NDC Implementation/ Mitigation Actions

- NDC implementation roadmap - Priority mitigation actions
- Tracking mitigation actions
- Monitoring and reporting
- Results and communication

Component 3: NDC Adaptation Actions

- NDC implementation roadmap - Priority Adaptation actions
- Tracking NDC adaptation actions
- Monitoring and reporting
- Results and communication

Component 4: Climate Finance Flow

- Climate finance for NDC implementation actions
- Finance & resources deployment schedule
- Monitoring and reporting
- Results and communication

Component 5: Sustainable Development Goals (SDGs) Benefits

- SDGs mapping and Monitoring for NDC actions
- Data for SDGs impact monitoring
- Review and analysis
- SDGs Impact Reporting

Integrated MRV Report, National GHG Inventory Report (NIR), National Communications (NC), Biennial Update Reports (BUR), International Financial & Technical Support



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ETF Transition & Implementation

- ▶ **Development of country program**
- ▶ **Updating National Determined Contribution**
- ▶ **Completion of the formulation of National Adaptation Plan and Technology Need Assessment**
- ▶ **Starting First BTR**
- ▶ **Establishing GHG unit**
- ▶ **Somalia Green Initiatives**





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Thank you Very Much

