

# Translation of NDCs to national and local action plans

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## Research purpose

The traceability/translation of international climate commitments to national and local climate plans.

# Data collection

- ▶ Action plan
- ▶ Policy documents (development strategies)
- ▶ Law

# Data analysis tools

- ▶ R/Rstudio, packages: ggplot2, tidyverse, collapsibleTree, treemapify
- ▶ MAXQDA

# Action plan documents



## 2021-2023 Action Plan of Georgia's 2030 Climate Strategy

Action Plan is prepared in accordance with the Government of Georgia Ordinance No 629, 20 December 2019, on the "Approval of Planning, Monitoring and Evaluation of Policy Documents." Historical and National GHG Inventory, "Reference Scenario Projection" is calculated in different models, and the results are aggregated in the LEAP model. It refers to the indicator's expected index in case the intervention the indicator. The "Baseline" of output indicator of the objective refers to the latest existing and available data, and it is compared to intermediate and final target indexes of the output indicator of the objective Georgia's 2030 Climate Change Strategy. Although many activities in the Climate Action Plan are carried out by the private sector, they are implemented with the high involvement of the public sector, particularly amount of direct, additional costs is included. Consequently, the budget does not indicate indirect costs, including time allocated by the public servants. Due to the specifications of climate change mitigation measures, amounts are not included in the total budget of the Climate Change Strategy and Action Plan.

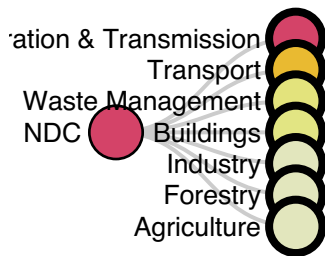
Vision			Reduce the domestic GHG emissions to 35% below 1990 levels in 2030 (as per 2021 Updated NDC)							
Goal 1			Reduce the GHG emissions to 15% in the energy generation and transmission sector compared to reference scenario							
Link to SDGs			SDGs 1, 2, 3, 7, 9, 11							
Impact indicator 1.1:	Amount of GHG emissions from energy generation and transmission sector (ktCO <sub>2</sub> e)		Historical	Baseline	Medium-term target	Medium-term target	Reference scenario projection	Final target	Sources of verification	
			Year	1990	2015	2024	2028	2030	2030	2030 National GHG Inventory
			Value	19,855	3,654	4,425	5,212	6,691	5,687 (-13%)	
Impact indicator 1.2:	Proportion of the population that predominantly uses clean energy sources and technologies		Year	2018	2022	2026	2028	2030	Sources of verification	
			Value	92.1%	93%	96%	97%	98%	Multiple Indicators Check	
			Objective 1.1			Renewable energy (wind, solar, hydro, biomass) generation support				
Outcome indicator of the objective 1.1.1:	Share of renewable energy in Georgia's electricity generation		Baseline	Medium-term target	Medium-term target	Medium-term target	Medium-term target	Final target	Sources of verification	
			Year	2018	2022	2024	2026	2028	2030	Ten-year National GHG Inventory
			Value	78%	72%	76%	82%	85%	87%	
Risk	Delay/cancellation of works by construction companies/investors due to population protests. Delays in conducting research required for projects due to the pandemic (including mobilization of a group of									
Activity	Short description	Links to EU-Georgia Association Agreement and SDGs	Output indicator of the activity	Sources of verification	Responsible institution	Partner institution	Period of implementation	Budget		
1.1.1. Technical and procedural support for wind power (WP) generation	Until 2024 includes the following WP plants: Inereti- 104 MW	Support implementation of Directive 2009/28/EC of the Association	Until 2024, 9 Wind Power Plants (WPP)	Annual report of the Ministry of Economy	Ministry of Economy and Sustainable Development	JSC "Georgian Energy Development Fund"	2023 Q4	2,178,000,000 GEL		

# Action plan table

Goal		Objective	
All		All	
1	Energy Generation & Transmission	Support renewable energy (wind, solar, hydro, biomass) generation	
2	Energy Generation & Transmission	Support renewable energy (wind, solar, hydro, biomass) generation	
3	Energy Generation & Transmission	Support renewable energy (wind, solar, hydro, biomass) generation	
4	Energy Generation & Transmission	Improve average efficiency of thermal power plants	
5	Energy Generation & Transmission	Improve average efficiency of thermal power plants	
6	Energy Generation & Transmission	Strengthen the capacities of renewable energy integration in the transmission network of	

Showing 1 to 7 of 77 entries

## Action plan|Data analysis and visualisation



## Action plan|Data analysis and visualisation

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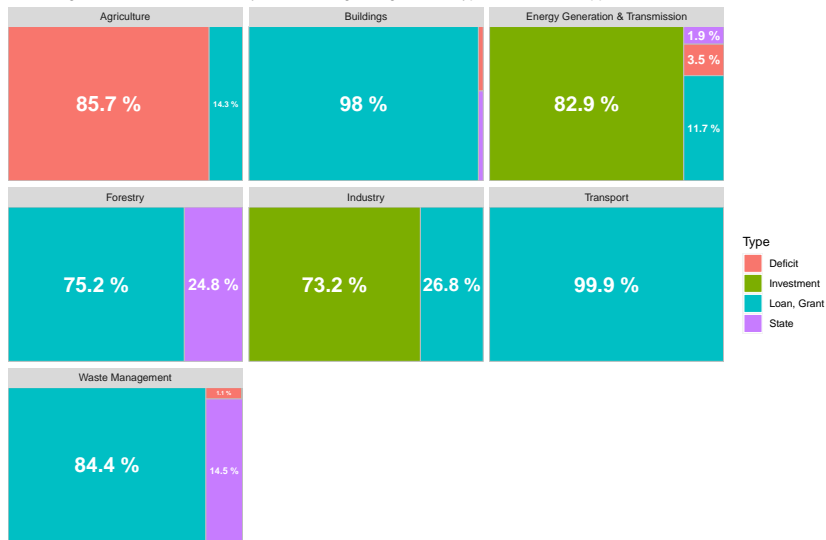
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# Action plan|Data analysis and visualisation

Percentage distribution of finances by NDC...s mitigation goals and types of financial support



Note: Administrative costs by Government are not included

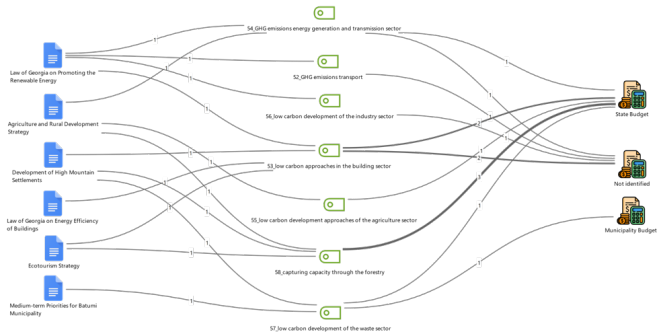
# Coding in MAXQDA

The screenshot displays the MAXQDA software interface, which is used for qualitative data analysis. The interface is divided into several sections:

- Top Bar:** Contains tabs for Home, Import, Codes, Memoes, Variables, Analysis, Mixed Methods, Visual Tools, Reports, MAXDicts, Store, and TeamCloud. Below these are icons for New Project, Open Project, Reset Activations, Document System, Code System, Document Browser, Retrieved Segments, Logbook, Teamwork, Merge Projects, Save Project As, Save Anonymized Project As, Project from Activated Documents, External Files, and Archive Data.
- Document System:** A tree view on the left showing the hierarchy of documents. It includes folders for Documents, National Development Strategies, Georgia's Contribution, and Sets. The right pane shows the content of the selected document, "Law of Georgia", which includes text about the Georgian National Energy and Water Supply Regulatory Commission and Article 16 - Access to a network and its operation.
- Code System:** A tree view on the left showing the hierarchy of codes. It includes folders for Code System, Mitigation, and Adaptation. The right pane shows the content of the selected code, "Retrieved Segments", which includes a list of codes and their corresponding document segments.

The interface is designed to facilitate the organization and analysis of qualitative data, allowing users to create and manage documents, codes, and segments within a structured system.

# Findings in MAXQDA



# Challenges of policy analysis

Challenges of policy analysis:

- ▶ Missing information about
  - ▶ Financial resources
  - ▶ Responsible institutions
  - ▶ Unstructured documents
- ▶ Availability latest version of the policy document

# Thank you | Questions?

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Info about project

The data and visualizations are available at GitHub