

Navigating the Path to Sustainable Development: a Case Study of the Kyrgyz Republic

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Purpose

- To effectively achieve SD goals, it is crucial for each country to provide clear evidence that informs targeted actions. However, varying methodologies and data sources present challenges.
- To better understand how to promote SDG achievement, we conducted a study on the Kyrgyz Republic.

Research Questions (RQs)

- RQ1: What are the main priorities outlined in the strategic documents of the Kyrgyz Republic to achieve the SDGs?
- RQ2: To what extent do the country's strategic documents align with the SDGs' targets and indicators?
- RQ3: What is the relationship between the strategic documents and SDGs progress attainment?
- RQ4: What are the gaps in the coverage of SDGs in the strategic documents of the Kyrgyz Republic?

Literature review

- Country-level reports
- Regional reports
- Scientific articles
 - Various studies have attempted to fill the gaps in understanding the strategic documents required for the SDGs and the challenges countries face in improving their policy system (Korshunov, 2023). The studies have mainly focused on defining governance challenges (C Allen et al., 2018; Stafford-Smith et al., 2017) and the institutional conditions necessary for the implementation of the SDGs at the national and local levels (Biermann et al., 2022; Chimhowu et al., 2019; Fenton and Gustafsson, 2017).

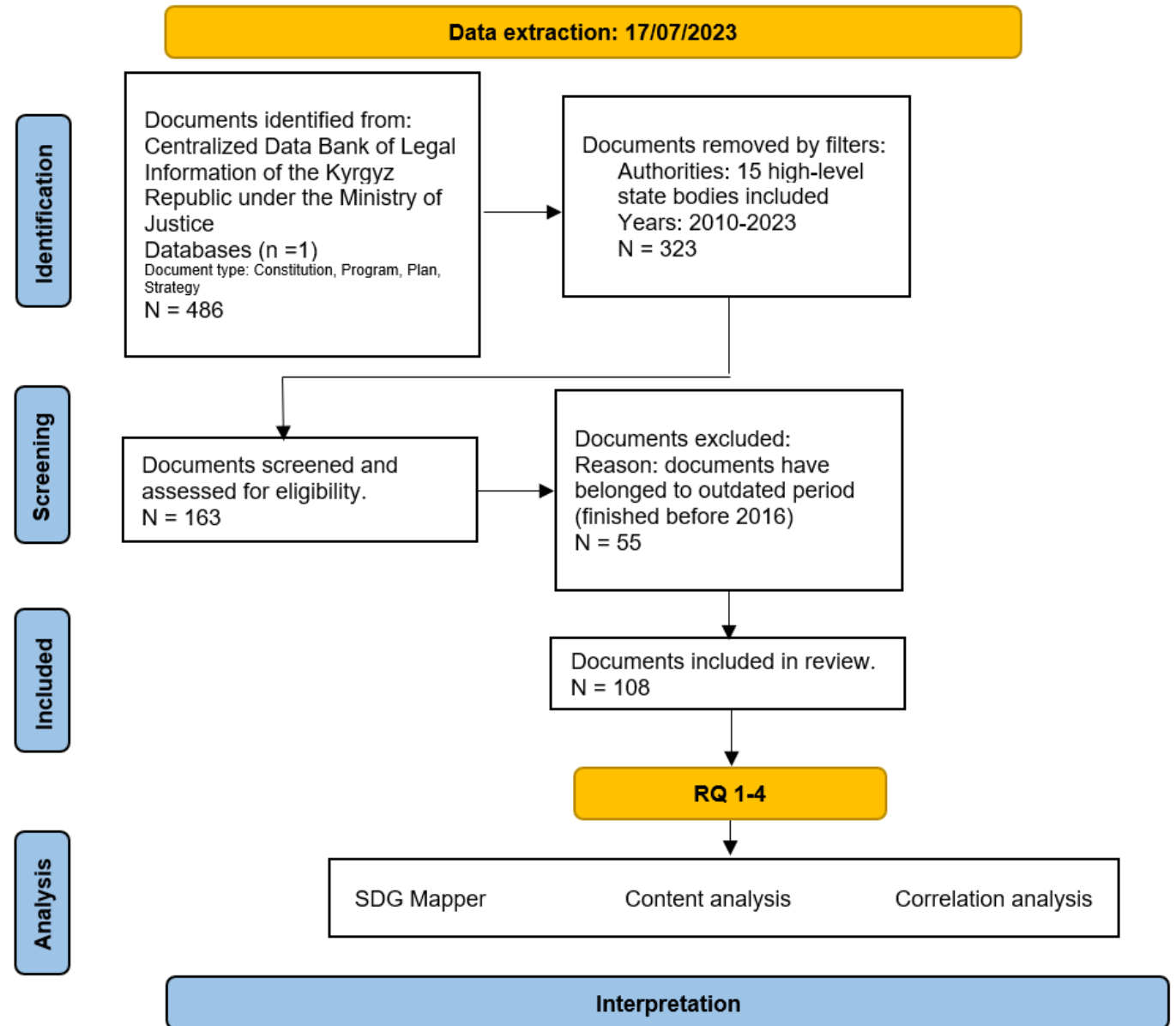
Business As Usual vs SD Trajectory

Country	1. Process Steps Taken								
	1.1 Governance & Coordination Mechanisms	1.2 Multi-stakeholder consultations	1.3 SDG Mapping & Alignment	1.4 Prioritise/adapt targets & indicators	1.5 Mainstreaming into existing/new strategies	1.6 SDG Roadmap or Action Plan	1.7 Assess interlinkages	1.8 Policy evaluation and design	1.9 Monitoring and review arrangements
●	96%	96%	92%	38%	19%	31%	0%	0%	27%
●	4%	4%	8%	35%	46%	15%	8%	0%	54%
●	0%	0%	0%	27%	35%	54%	92%	100%	19%
% OECD ●	100%	100%	86%	57%	29%	43%	0%	0%	43%
% non-OECD ●	95%	95%	95%	32%	16%	26%	0%	0%	21%
LDCs % ●	100%	100%	100%	50%	25%	0%	0%	0%	0%



Methods

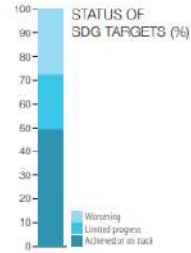
- SDG mapping
- Content analysis
- Correlation



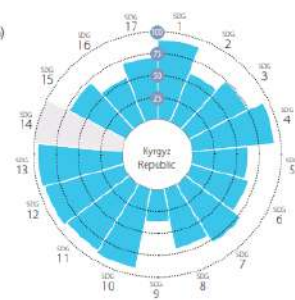
KYRGYZ REPUBLIC

Eastern Europe and Central Asia

OVERALL PERFORMANCE



AVERAGE PERFORMANCE BY SDG



SDG DASHBOARDS AND TRENDS



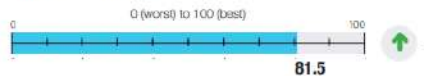
■ Major challenges ■ Significant challenges ■ Challenges remain ■ SDG achieved ■ Information unavailable
↓ Decreasing → Stagnating ↗ Moderately improving ↑ On track or maintaining SDG achievement ● Information unavailable

Note: The full list of each SDG is available here: <https://sustainabledevelopment.un.org/topics/sustainabledevelopmentgoals>

INTERNATIONAL SPILLOVER INDEX



STATISTICAL PERFORMANCE INDEX

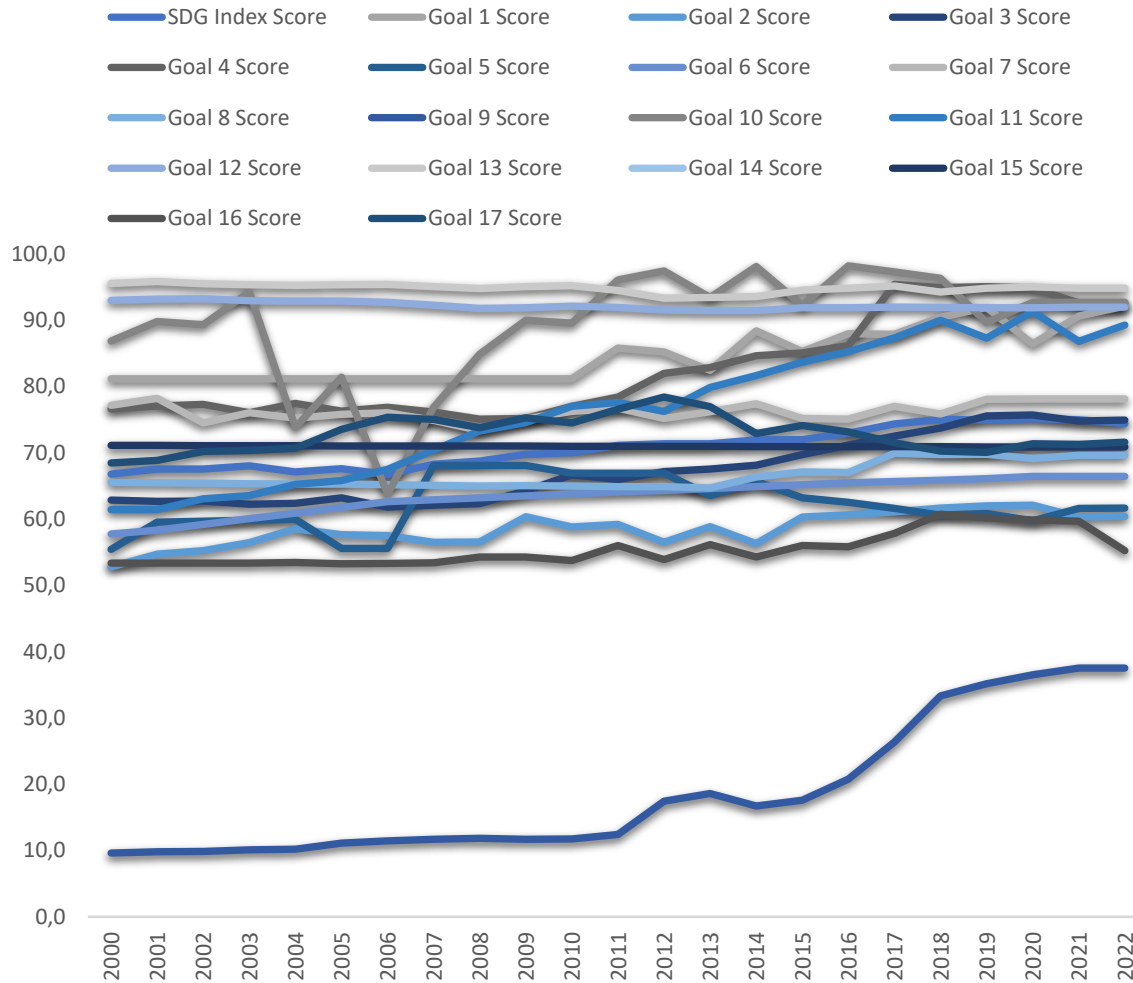


MISSING DATA IN SDG INDEX

2%

Where does the Kyrgyz Republic stand halfway to 2030?

AVERAGE PERFORMANCE BY SDG for 2000-2022

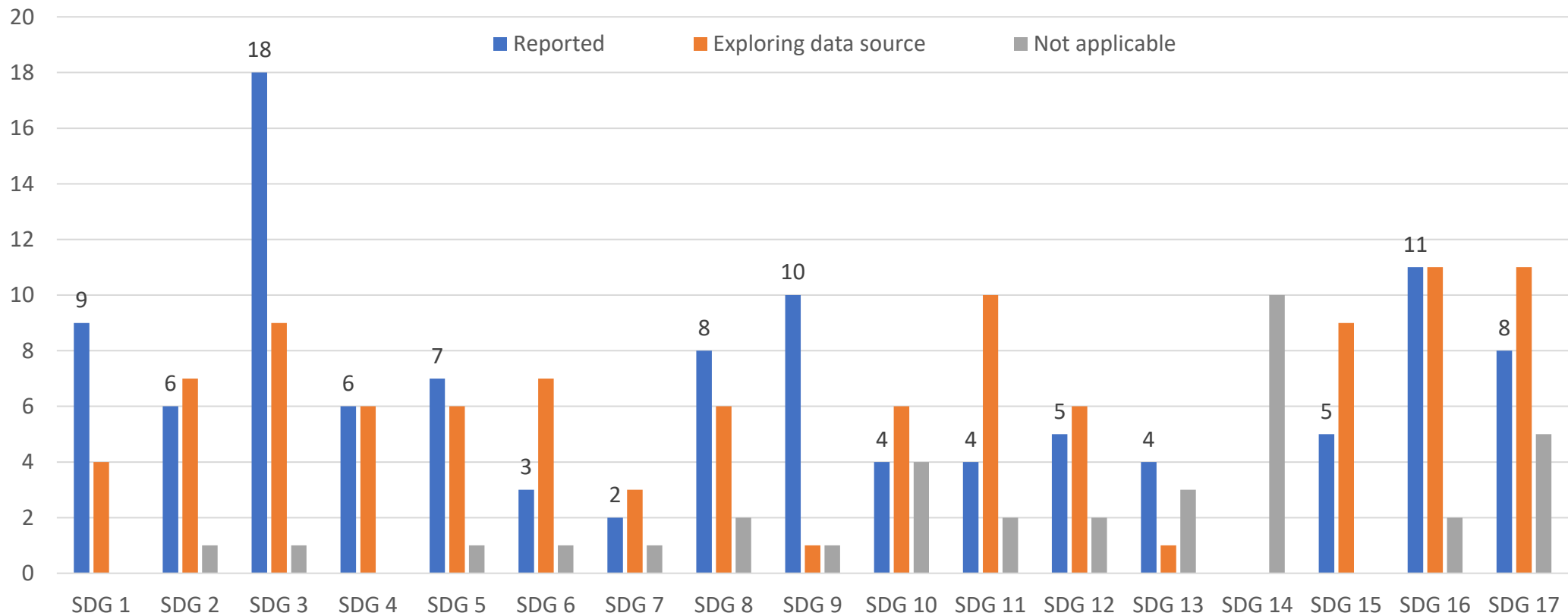


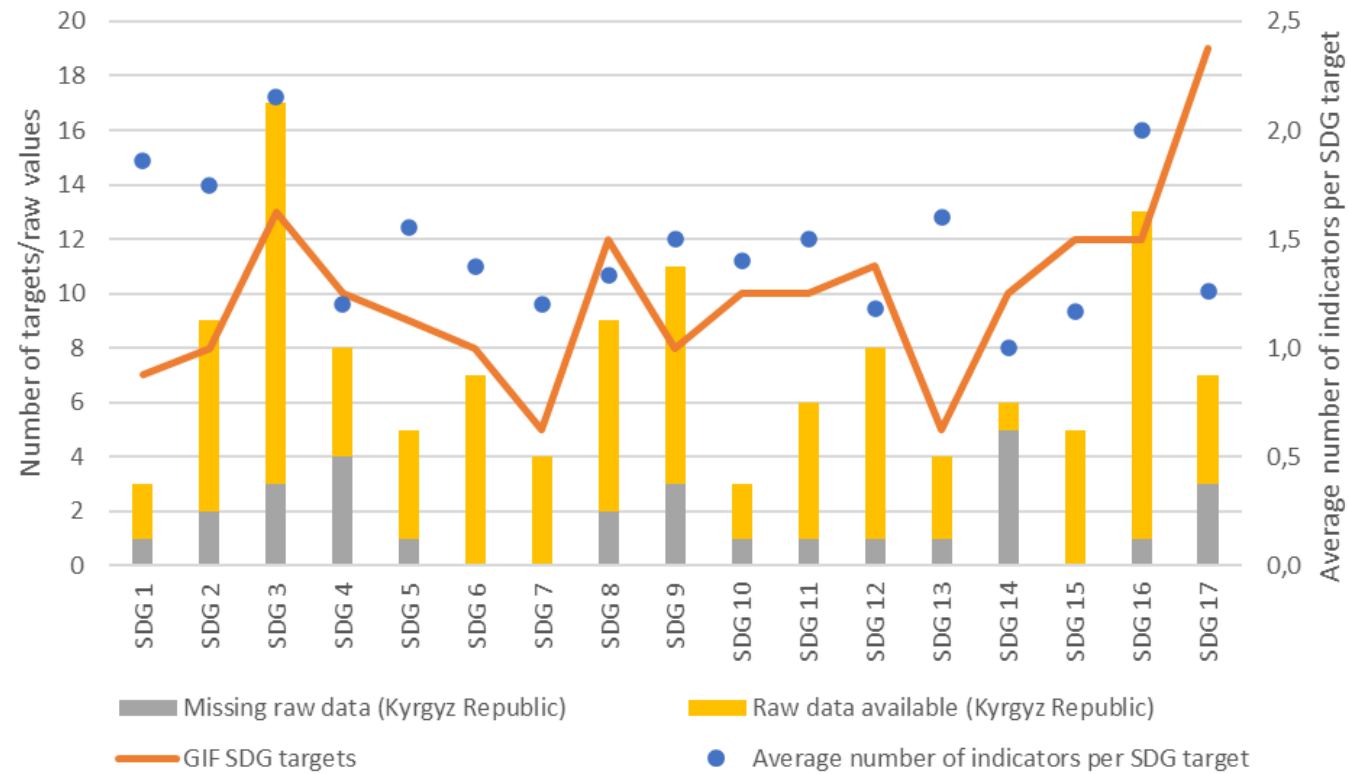
Where does the Kyrgyz Republic stand halfway to 2030?



Stat.kg open data

Open data of National Statistical Committee (Kyrgyz Republic)

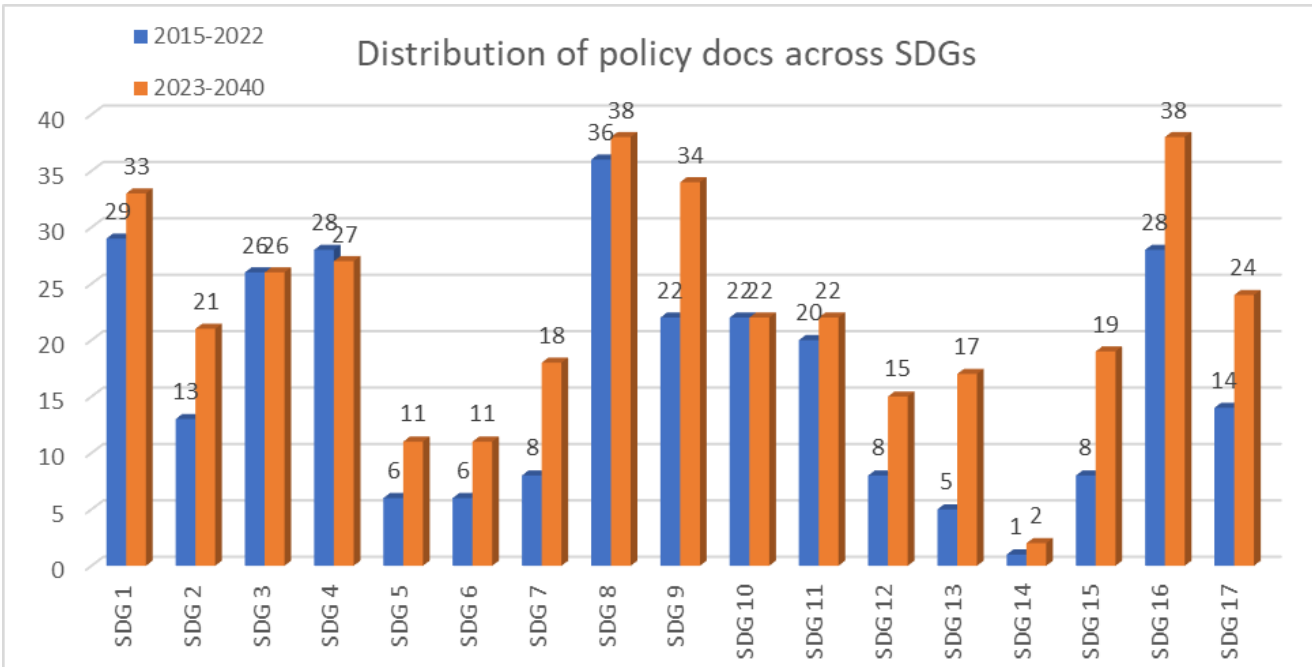




SDG targets

- The number of SDG targets (presented by line) and raw values (presented by stacked column) and the average number of indicators used per target (represented by markers, with an average of 1.47).

Distribution of policy docs across SDGs

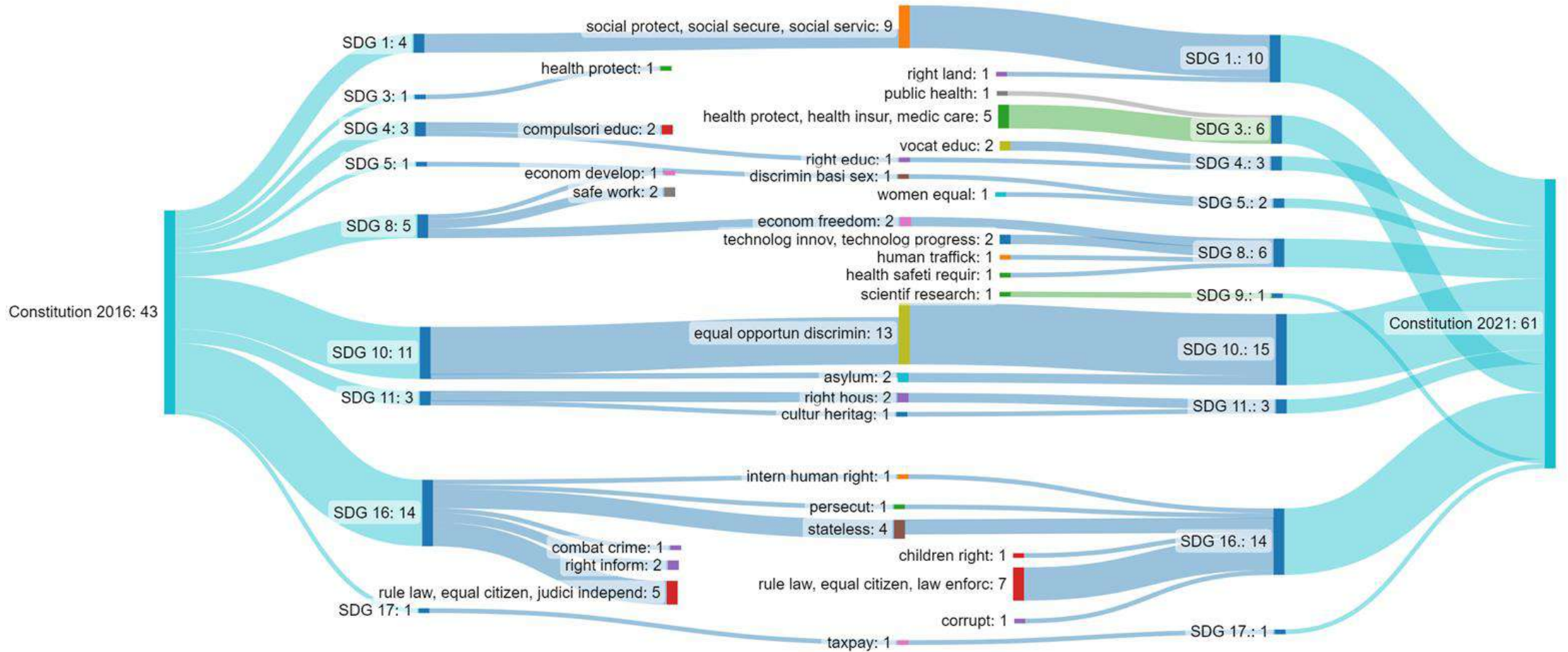


Row Labels	2015-2022	2023-2040	Grand Total
Constitution	2		2
Decree	2		2
Plan		4	4
Program	42	37	79
Strategy	7	14	21
Grand Total	53	55	108

Overview of the main strategies and policy documents

The SDG Mapper detected five documents where specific SDG targets are mentioned: National Strategy to Achieve Gender Equality until 2030 – 3 occurrences of SDG 5; Program Food Security and Nutrition 2019-2023 – 1 occurrence of SDG 2; Program Green Economy 2019-2023 - 1 occurrence of SDG 7 and 2 occurrences of SDG 8, 11 and 12 each; Program for the development of Drinking Water Supply and Sanitation Systems until 2026 - 1 occurrence of SDG 6, Program for the development of Education 2021-2040 - 1 occurrence of SDG 1 and 7 occurrences of SDG 4.

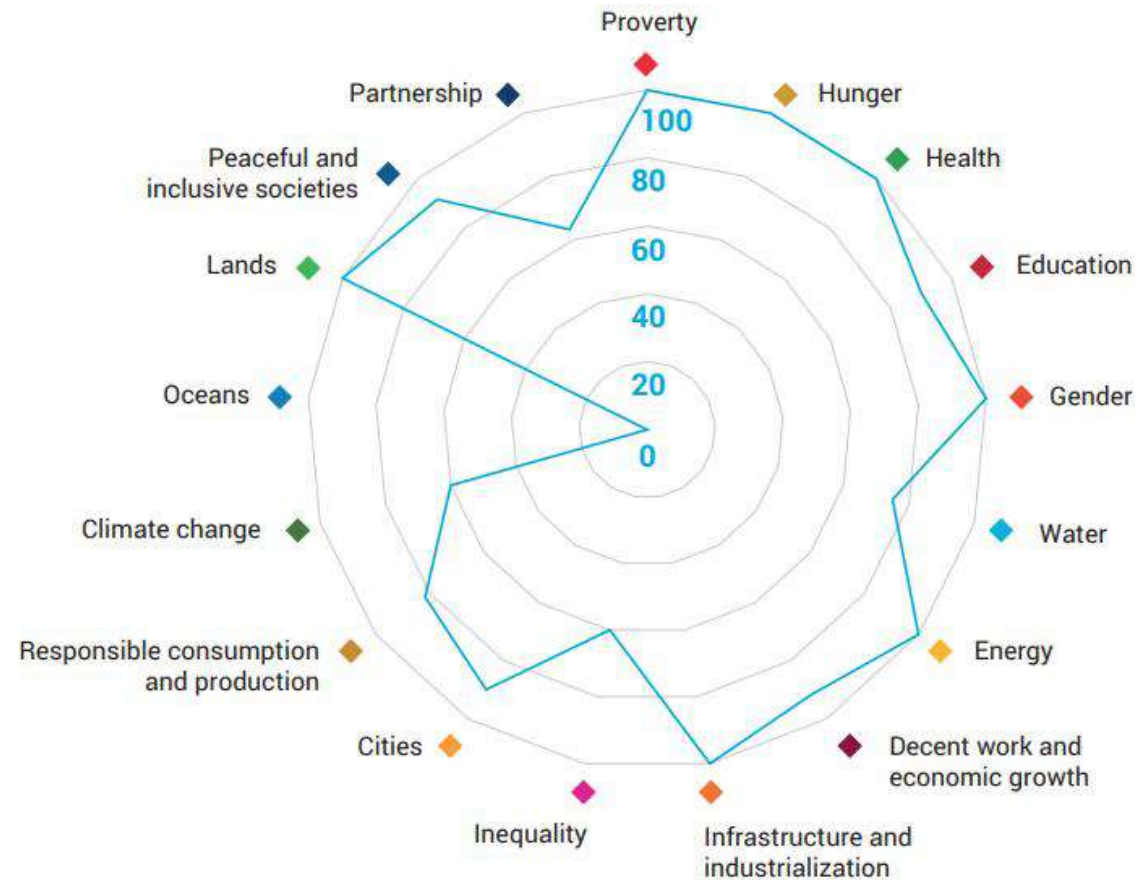
Mapping strategic documents to align with the SDG goals and targets



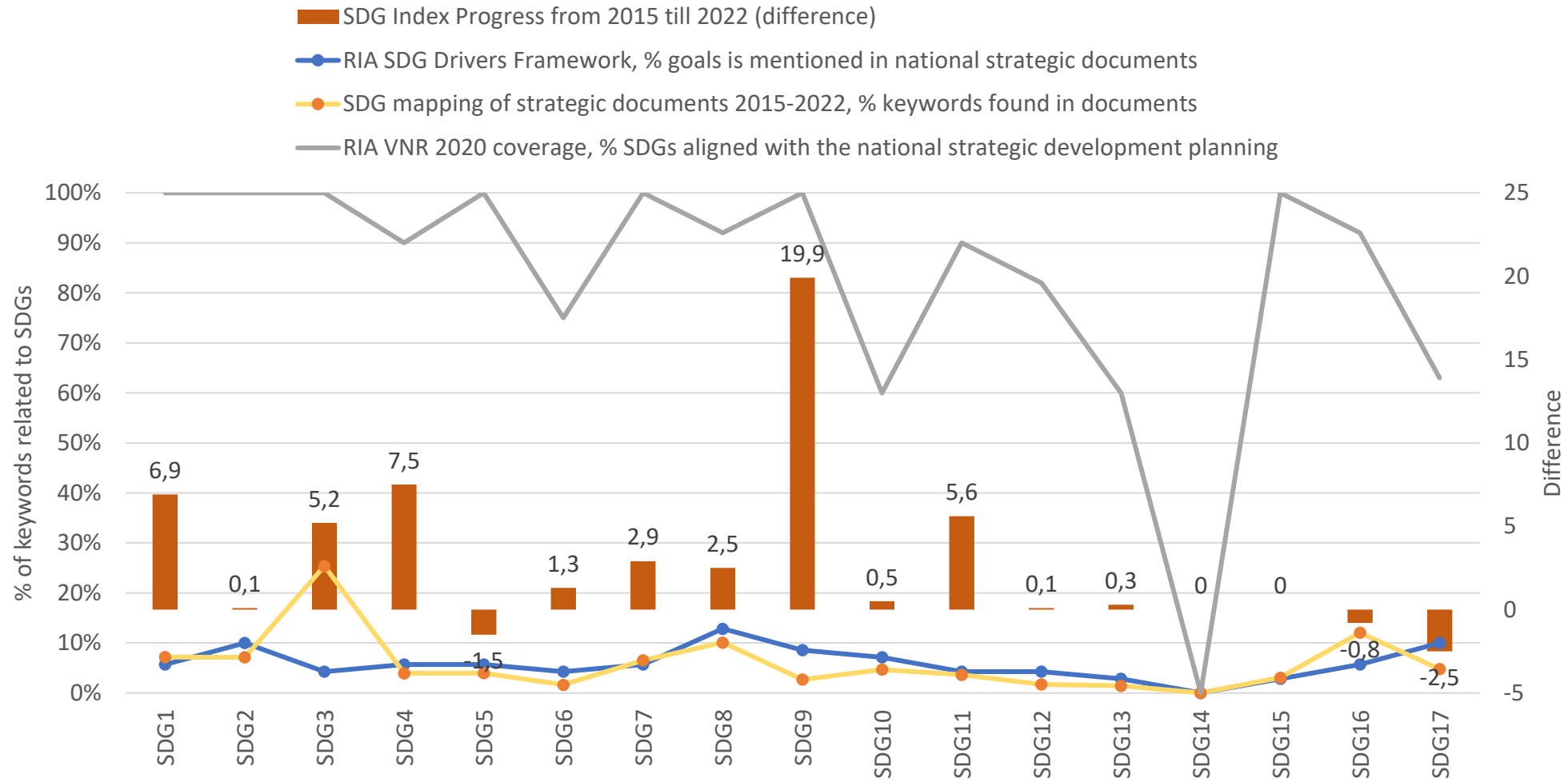
Voluntary National Review 2020

- The Rapid Integrated Assessment of 36 strategic documents suggests that the alignment of the SDGs with the national strategic development planning in the Kyrgyz Republic is 82%

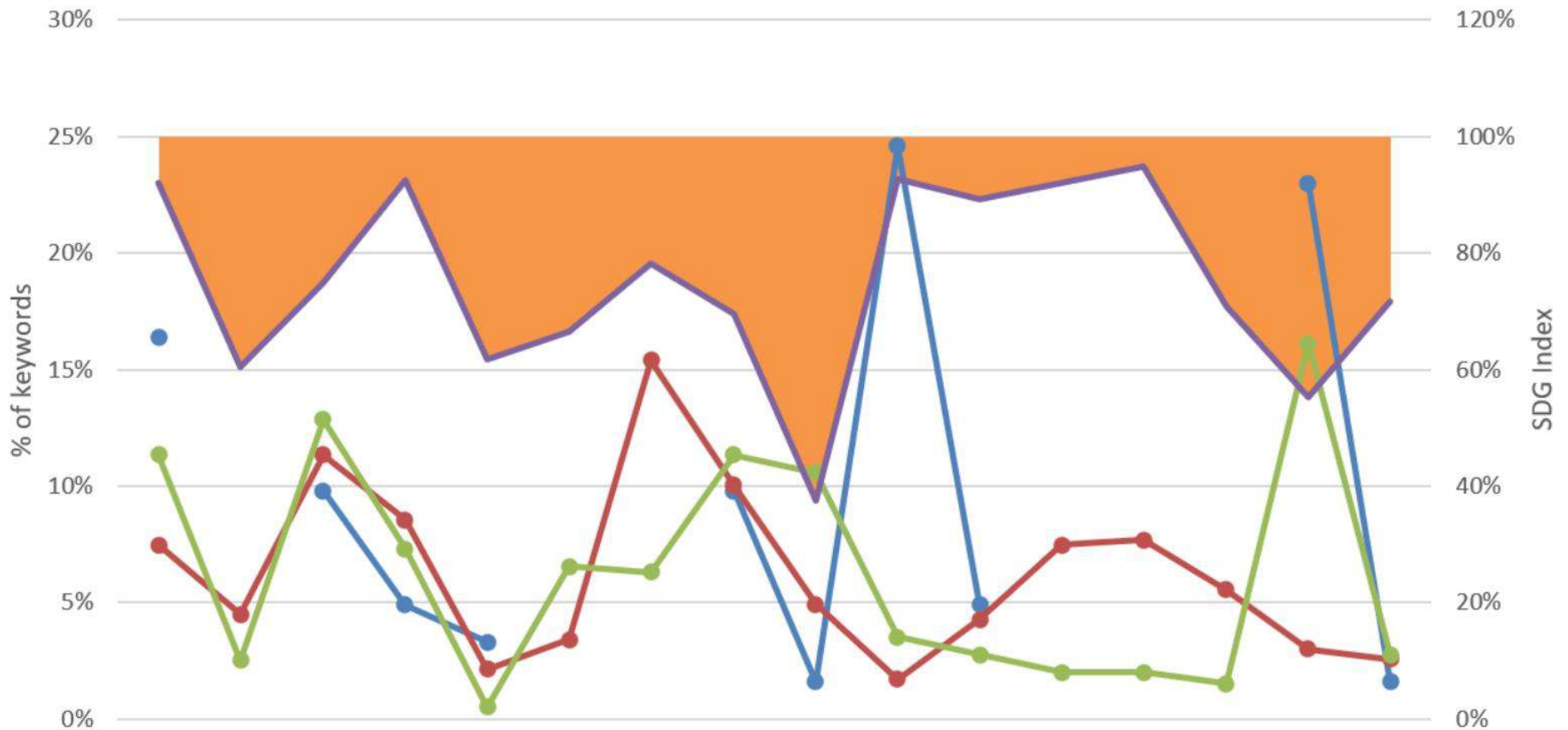
Figure 2. Percent (%) alignment of 36 development planning documents of the Kyrgyz Republic with global SDGs



Dynamic of SDG Index Progress and occurrences of keywords



Country's priorities vs SDGs Index Progress



- Targeted SDGs Index 2030
- % of keywords, Constitution 2020
- % of keywords, Plan on the implementation of the National Development Program until 2026.pdf
- % of keywords, National Development Strategy for 2018-2040.pdf
- SDG Index 2022

Correlation analysis

	Goal 1 Score	Goal 2 Score	Goal 3 Score	Goal 4 Score	Goal 5 Score	Goal 6 Score	Goal 7 Score	Goal 8 Score	Goal 9 Score	Goal 10 Score	Goal 11 Score	Goal 12 Score	Goal 13 Score	Goal 14 Score	Goal 15 Score	Goal 16 Score	Goal 17 Score
Goal 1 Score	1																
Goal 2 Score	0,650188	1															
Goal 3 Score	0,911745	0,787467	1														
Goal 4 Score	0,900602	0,732365	0,96214	1													
Goal 5 Score	0,036953	0,132776	0,013261	-0,1097	1												
Goal 6 Score	0,768635	0,840924	0,827396	0,757668	0,371381	1											
Goal 7 Score	0,524513	0,21543	0,54373	0,545067	-0,34295	0,209554	1										
Goal 8 Score	0,862275	0,687456	0,899356	0,948052	-0,21491	0,641387	0,551948	1									
Goal 9 Score	0,887462	0,735028	0,954605	0,949389	-0,07573	0,774175	0,557359	0,924934	1								
Goal 10 Score	0,533849	0,27646	0,552896	0,481198	0,33094	0,387821	0,254148	0,364842	0,398088	1							
Goal 11 Score	0,851562	0,840478	0,933333	0,877091	0,272919	0,953166	0,336938	0,775799	0,863172	0,537495	1						
Goal 12 Score	-0,55622	-0,55388	-0,58848	-0,49358	-0,6541	-0,85148	-0,03559	-0,29916	-0,49227	-0,50418	-0,79599	1					
Goal 13 Score	-0,38624	-0,20816	-0,3285	-0,28706	-0,50264	-0,56123	0,075786	-0,02641	-0,25372	-0,47197	-0,49445	0,815441	1				
Goal 14 Score	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1			
Goal 15 Score	-0,86045	-0,81343	-0,91549	-0,84731	-0,22257	-0,96296	-0,36698	-0,75265	-0,85737	-0,44975	-0,96293	0,758182	0,481829	#DIV/0!	1		
Goal 16 Score	0,77116	0,778152	0,873109	0,884402	-0,03309	0,718209	0,433471	0,835883	0,870969	0,428538	0,822826	-0,49525	-0,26075	#DIV/0!	-0,76732	1	
Goal 17 Score	-0,17651	0,087372	-0,16133	-0,26706	0,595681	0,330766	-0,40887	-0,46094	-0,23045	-0,03866	0,105367	-0,54483	-0,57681	#DIV/0!	-0,15152	-0,2105	1

Gaps in the Coverage of SDGs in Kyrgyzstan's Strategic Documents Hindering Achievement of the SDGs

Year	# SDG targets available	% of available data	Average raw data per goal
2015	68	54,8%	4
2016	64	51,6%	4
2017	67	54,0%	4
2018	79	63,7%	5
2019	59	47,6%	4
2020	50	40,3%	3
2021	39	31,5%	2
2022	17	13,7%	1

- In 2015, there were 68 SDG indicators available, covering 54.8% of the data, with an average of 4 indicators per goal. There was a decline in availability and coverage from 2019 onwards.
- Although there were expectations on our part that the amount of available data would increase, this did not happen.

Conclusion

- This analysis of 108 documents revealed that the most prevalent types of documents were programs (79) and strategies (21).
- The numerous strategies and programs, including the Constitution of the Kyrgyz Republic, have undergone substantial modifications, resulting in profound transformations.
- The main priorities: SDG 8 (economic growth), SDG 16 (peace, justice, and strong institutions), and SDG 1 (poverty reduction).
- SDG mapping revealed a higher presence of keywords related to SDGs 3, 8, and 16, especially in sector-level strategic documents.
- However, the overall alignment of SDGs with national planning remains uneven. The Kyrgyz Republic in 2018 moved to the strategy “Business as Usual”.

Conclusion

- The analysis of strategic documents in the Kyrgyz Republic reveals a complex relationship with progress towards the Sustainable Development Goals (SDGs). While these documents cover a wide array of SDGs, they often do not reflect the actual progress made toward these goals.
- The gaps in the coverage of certain SDGs are SDGs 2, 5, 8, 15, and 17.
- These SDGs require particular attention and priority in the development of long-term programs.
- The absence of comprehensive long-term strategic documents for these critical SDGs highlights the need for focused efforts to address these gaps.
- Insufficient data used in measuring progress can result in biased results.
- While indexes can be helpful for ranking countries, they may not account for sudden policy shifts, which can create complications when making comparisons.

Thank You for Attention!