

Southern Technical University - SDG 13 Benchmarking Report

This report provides an in-depth benchmarking analysis of Southern Technical University's (STU) alignment with SDG 13: Climate Action. Through comparisons at global, regional, and national levels, this report identifies areas for improvement and strategic opportunities. The document includes an action plan, key activities, key metrics, and suggested KPIs for supporting climate resilience and sustainability.

1. Benchmark Analysis

This section compares STU's performance with other institutions globally, within the Arab region, and within Iraq. Benchmarking offers insights into STU's position and areas where it can improve its SDG 13 alignment.

2. Descriptive Statistics Overview

The following table summarizes key descriptive statistics for SDG 13 scores at global, Arab region, and Iraq levels. These statistics provide a baseline for STU to assess its relative standing and identify targets for improvement.

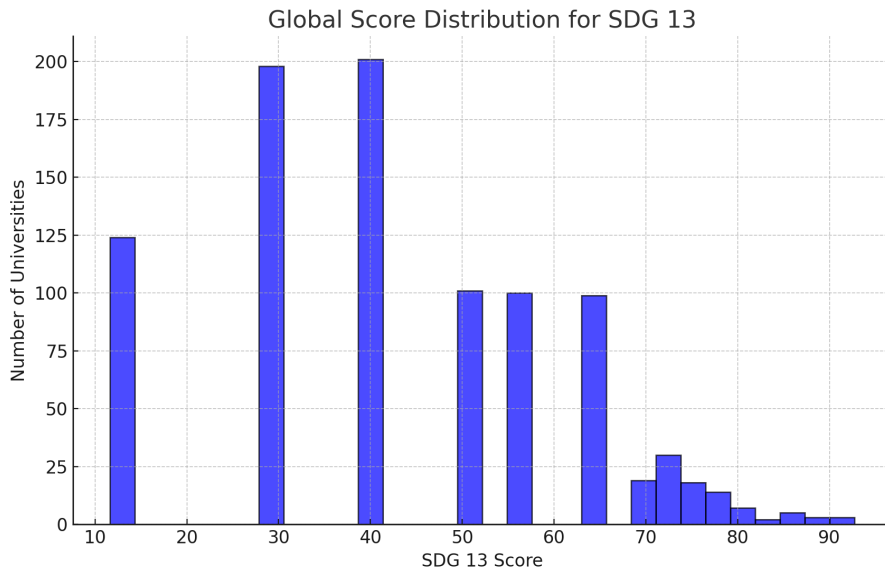
Statistic	Global	Arab Region	Iraq
Count	924.00	122.00	24.00
Mean	43.60	37.29	35.66
Std	19.38	16.60	15.00
Min	11.65	11.65	11.65
25%	28.75	28.75	28.75
50%	41.30	41.30	41.30
75%	57.05	50.05	41.30
Max	92.70	76.00	70.30

3. Visualizations

The following visualizations show the distribution of SDG 13 scores at global, Arab region, and Iraq levels, illustrating STU's position.

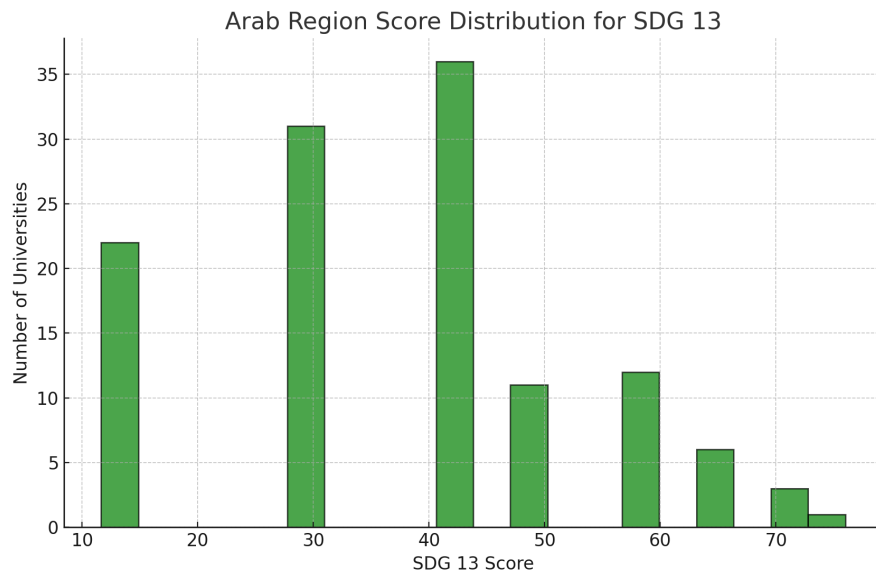
3.1 Global SDG 13 Score Distribution

This histogram shows the distribution of SDG 13 scores among universities worldwide.



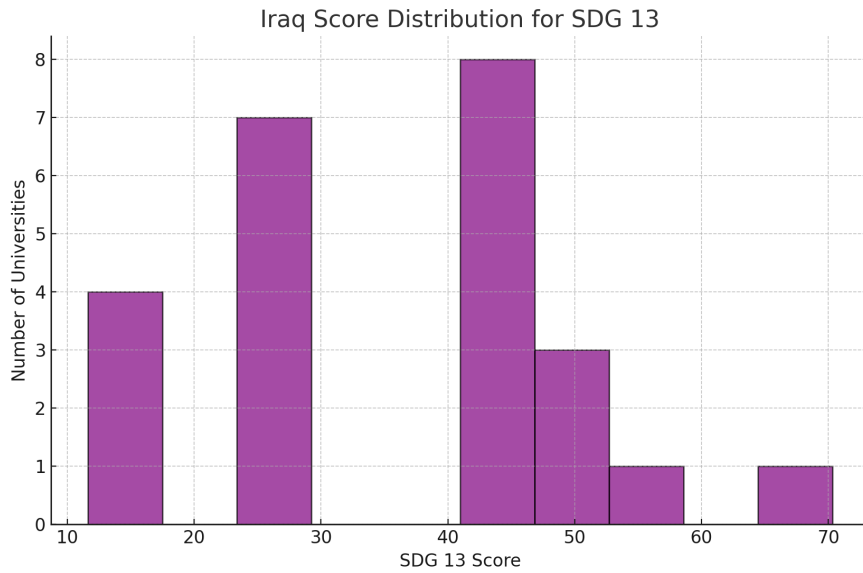
3.2 Arab Region SDG 13 Score Distribution

This histogram illustrates SDG 13 score distribution for universities in the Arab region.



3.3 Iraq SDG 13 Score Distribution

The histogram below presents the SDG 13 score distribution among universities in Iraq, providing national context for STU's position.



4. Action Plan for SDG 13 Alignment

The action plan provides strategic steps STU can implement to enhance its alignment with SDG 13. The initiatives cover climate resilience, carbon footprint reduction, and campus sustainability practices.

Action	Responsible Unit	Timeframe	Expected Outcome
Implement a carbon footprint tracking system on campus.	Sustainability Office	Short-term (6 months)	Monitors and reduces greenhouse gas emissions from campus activities.
Organize climate action workshops for students and staff.	Sustainability Office	Ongoing	Increases climate awareness and engagement in climate action.
Partner with environmental organizations for climate resilience projects.	Community Engagement Office	Medium-term (1-2 years)	Enhances STU's contribution to regional climate resilience efforts.
Increase green energy usage on campus.	Facilities Management	Long-term (2-5 years)	Reduces reliance on non-renewable energy sources and lowers emissions.

5. Key Activities for SDG 13 Alignment

The following key activities outline specific steps that STU should undertake to support SDG 13. These activities focus on promoting climate action, carbon reduction, and campus sustainability.

Activity	Objective	Expected Impact
Conduct training on carbon footprint reduction for the campus community.	To educate on reducing emissions and enhancing environmental stewardship.	Promotes climate-friendly behaviors and reduces STU's carbon footprint.
Develop a campus garden for carbon sequestration and student involvement.	To support biodiversity and create a carbon sink on campus.	Enhances campus sustainability and engages students in climate action.
Organize Earth Day events to promote climate awareness.	To engage the community in discussions on climate change and action.	Raises climate awareness and encourages community participation.

6. Suggested KPIs for Monitoring SDG 13

The following Key Performance Indicators (KPIs) provide measurable targets to track STU's progress toward climate action and sustainability. These KPIs support effective tracking of SDG 13 alignment and climate resilience goals.

Metric	KPI	Description
Greenhouse gas emissions reduction rate.	Year-over-year decrease in campus emissions	Measures STU's efforts to reduce its carbon footprint.
Participation rate in climate action events.	Percentage of campus community involved in climate events annually	Tracks engagement in climate awareness and action initiatives.
Green energy adoption rate.	Percentage of total campus energy sourced from renewables	Monitors STU's shift towards renewable energy.
Waste reduction rate through sustainable practices.	Annual decrease in waste generated on campus	Reflects STU's commitment to sustainable waste management.
Campus biodiversity initiatives.	Number of biodiversity and carbon sequestration projects initiated	Supports carbon sequestration and environmental resilience on campus.