

Southern Technical University - SDG 12

Benchmarking Report

This report provides an in-depth benchmarking analysis of Southern Technical University's (STU) alignment with SDG 12: Responsible Consumption and Production. 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 sustainable consumption and production practices.

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 12 alignment.

2. Descriptive Statistics Overview

The following table summarizes key descriptive statistics for SDG 12 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.

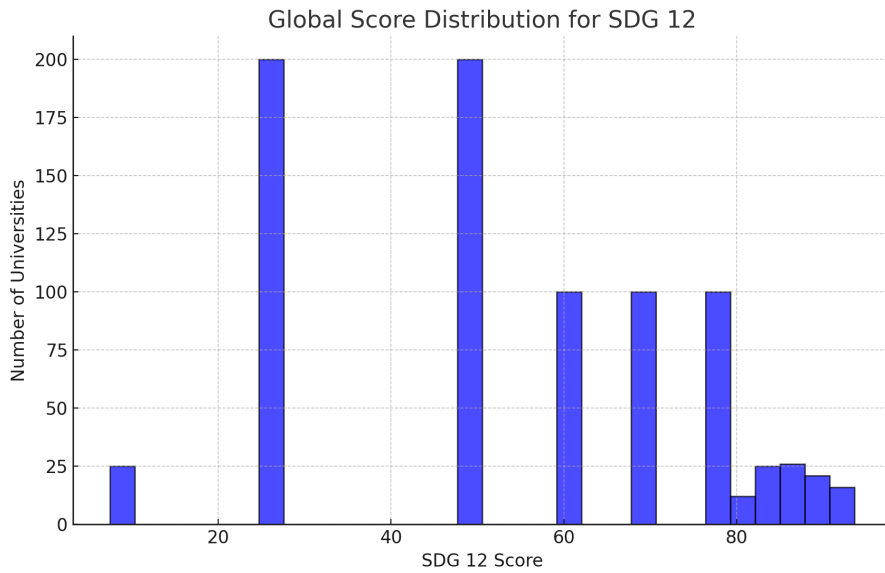
Statistic	Global	Arab Region	Iraq
Count	825.00	94.00	20.00
Mean	54.50	43.95	33.99
Std	21.80	19.45	12.29
Min	7.50	7.50	7.50
25%	27.30	27.30	27.30
50%	49.25	49.25	27.30
75%	69.30	49.25	49.25
Max	93.60	87.90	49.25

3. Visualizations

The following visualizations show the distribution of SDG 12 scores at global, Arab region, and Iraq levels, illustrating STU's position.

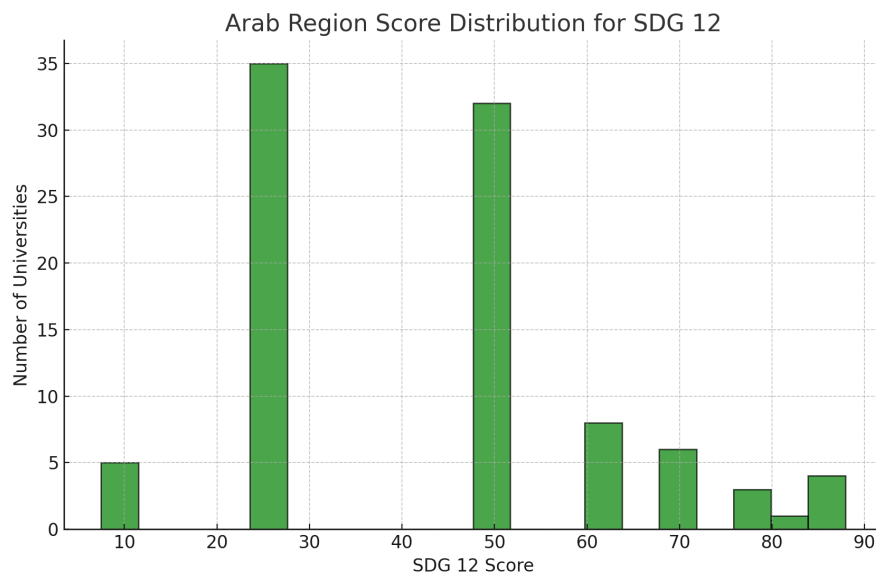
3.1 Global SDG 12 Score Distribution

This histogram shows the distribution of SDG 12 scores among universities worldwide.



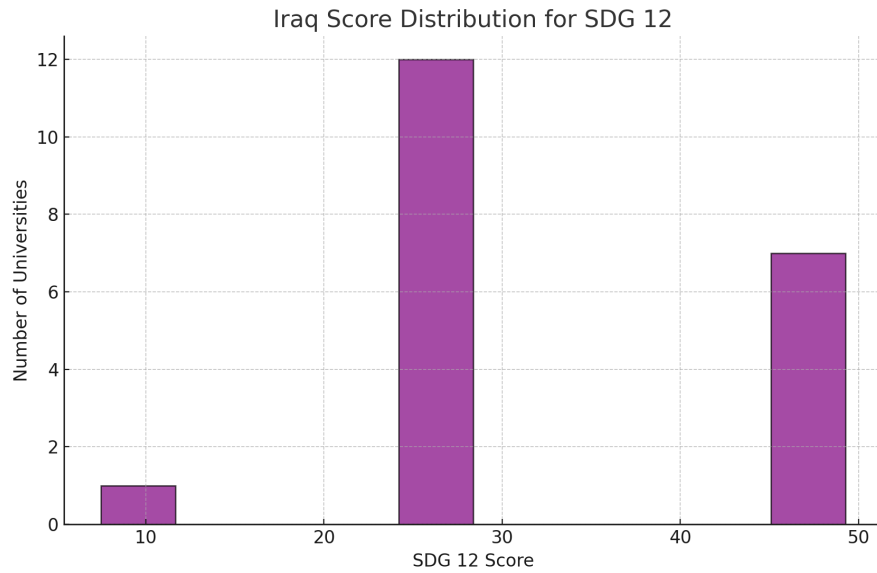
3.2 Arab Region SDG 12 Score Distribution

This histogram illustrates SDG 12 score distribution for universities in the Arab region.



3.3 Iraq SDG 12 Score Distribution

The histogram below presents the SDG 12 score distribution among universities in Iraq, providing national context for STU's position.



4. Action Plan for SDG 12 Alignment

The action plan provides strategic steps STU can implement to enhance its alignment with SDG 12. The initiatives cover sustainable resource management, waste reduction, and responsible consumption practices.

Action	Responsible Unit	Timeframe	Expected Outcome
Implement campus-wide recycling and waste reduction programs.	Facilities Management	Short-term (6 months)	Reduces waste generation and promotes sustainable resource management.
Organize workshops on responsible consumption for students and staff.	Sustainability Office	Ongoing	Promotes awareness and practices for responsible consumption.
Establish partnerships with local sustainable businesses.	Community Engagement Office	Medium-term (1-2 years)	Supports sustainable local economies and responsible purchasing.
Monitor and report resource consumption on campus.	Institutional Research Office	Ongoing	Tracks and reduces the environmental footprint of campus operations.

5. Key Activities for SDG 12 Alignment

The following key activities outline specific steps that STU should undertake to support SDG 12. These activities focus on promoting sustainable resource use, waste reduction, and responsible consumption.

Activity	Objective	Expected Impact
Conduct training on waste management and resource conservation.	To educate the campus community on reducing waste and conserving resources.	Enhances resource efficiency and reduces environmental impact.
Establish a campus store for sustainable and reusable items.	To encourage the purchase of sustainable products.	Promotes responsible consumption and reduces single-use items.
Engage in community projects focused on sustainable production practices.	To support local sustainability initiatives and raise awareness.	Fosters community engagement and supports responsible production.

6. Suggested KPIs for Monitoring SDG 12

The following Key Performance Indicators (KPIs) provide measurable targets to track STU's progress toward responsible consumption and production. These KPIs support effective tracking of SDG 12 alignment and resource sustainability goals.

Metric	KPI	Description
Waste reduction rate on campus.	Year-over-year decrease in campus waste generated	Measures STU's commitment to reducing waste generation.
Participation rate in responsible consumption training.	Percentage of campus community attending training annually	Tracks engagement in responsible consumption practices.
Sustainable purchasing rate for campus supplies.	Percentage of campus purchases meeting sustainability standards	Monitors STU's sustainable procurement practices.
Recycling rate on campus.	Percentage of total waste recycled annually	Measures effectiveness of waste separation and recycling efforts.
Resource usage per capita on campus.	Yearly average resource consumption per person	Assesses STU's efficiency in resource usage across campus facilities.