



STOU

SUSTAINABILITY ANNUAL REPORT 2023



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Message from STOU President



ASSOC. PROF. DR. MANIT JUMPA
Distinguished Member of the University Council
Acting President
Sukhothai Thammathirat Open University

At Sukhothai Thammathirat Open University, “Green” has become a buzzword over past few years and “Sustainability” is more concerned with the future. Across our lifetime in a world that is constantly changing, the direction for driving Thailand towards the “Security, Prosperity, Sustainability” goal is set in the 20-year National Strategic Plan. Thailand has also made considerable strides in the area of inclusive and sustainable development.

To embrace the opportunities of this ever-shifting world, STOU has emerged the stronger identity of the university. Sustainable Development Goals become an integral role in our university’s sustainability strategy since we have leveraged our position as a sustainable university.

We focus on provision of academic services through knowledge integration for the communal, societal and national prosperity and sustainability. We are committed to raising our personnel and students’ awareness, promoting sustainable development, operating sustainable campus, activating research and imbedding sustainability into our teaching and daily life.

STOU continue to confront pandemic, climate change as well as social, economic, environmental and structural disparities. We are now beginning to see beyond the complicated and intertwined challenges of SDGs in order to achieve our sustainable internationalization and value creation.

Introduction

"STOU IS COMMITTED
TO PROVIDING
EQUITY AND
QUALITY LIFELONG
LEARNING FOR ALL
TO RESPOND TO
SUSTAINABILITY
IN THE DIGITAL AGE."



University Strategy for Sustainability



Mission 5

Develop the university to achieve security, prosperity, and sustainability under good governance principles

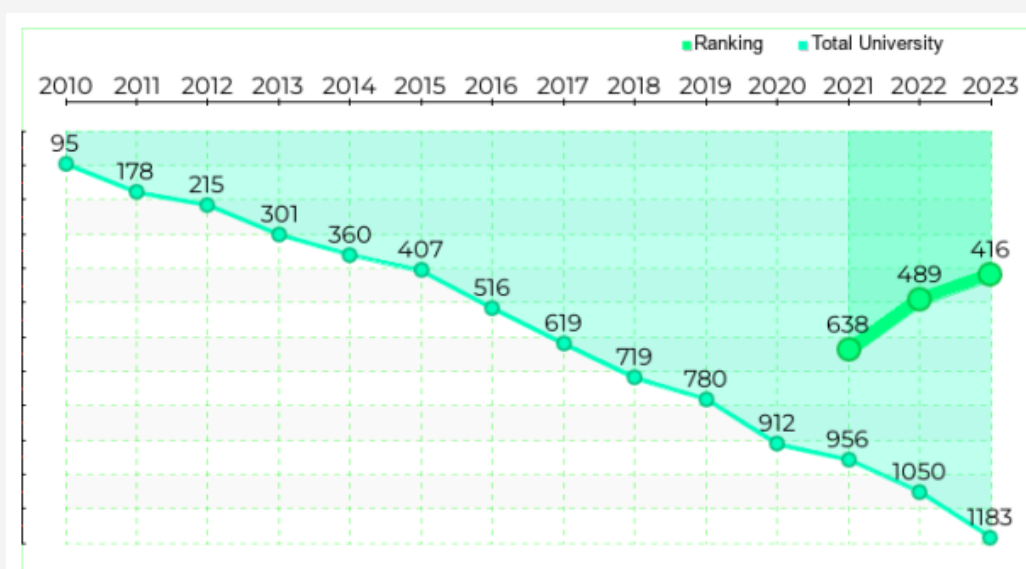
Strategy 12

- Physical Infrastructure Development for Sustainable University
- STOU Green & Clean
- Smart Campus
- Infrastructure Development

Certificate for UI GreenMetric E-waste Campaign



World Rankings in 2023 (1,183 Universities)



World Ranking	SI Ranking	EC Ranking	WS Ranking
416	656	477	509
	WR Ranking	TR Ranking	ED Ranking
	274	406	400

Thailand Rankings in 2023 (55 Universities)

Country Ranking	SI Ranking	EC Ranking	WS Ranking
27	38	22	36
	WR Ranking	TR Ranking	ED Ranking
	21	30	26

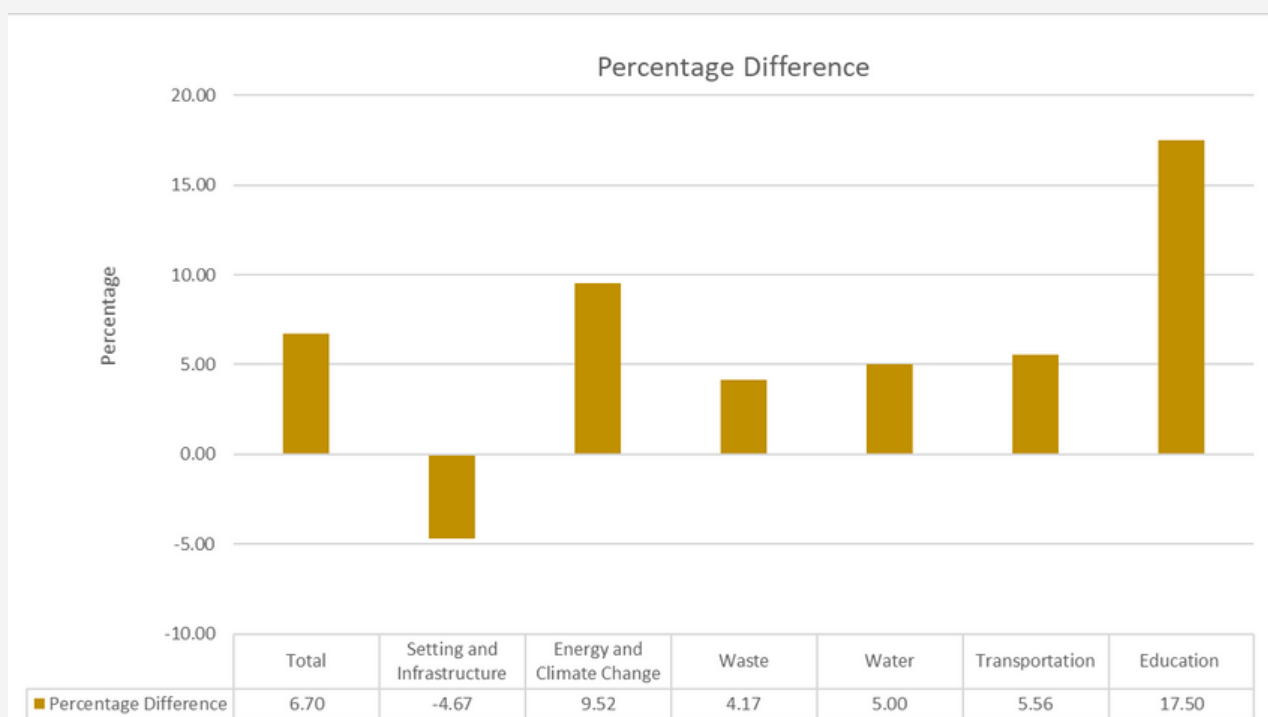
Top 10

Rank 2023 ↑↓	University	Country	Total Score	Setting & Infrastructure	Energy & Climate Change	Waste	Water	Transportation	Education & Research
38	Kasetsart University	Thailand	8775	1275	1675	1575	900	1750	1600
49	Mahidol University	Thailand	8625	1200	1600	1575	950	1625	1675
50	King Mongkut's University of Technology Thonburi	Thailand	8625	1275	1550	1575	800	1700	1725
65	Suranaree University of Technology	Thailand	8575	1350	1600	1650	850	1475	1650
76	Siam University	Thailand	8525	1175	1525	1425	900	1700	1800
83	Walailak University	Thailand	8475	1400	1550	1425	900	1700	1500
102	Maharakham University	Thailand	8335	1350	1625	1350	800	1460	1750
103	Mae Fah Luang University	Thailand	8325	1300	1675	1275	850	1550	1675
114	Rajamangala University of Technology Thanyaburi (RMUTT)	Thailand	8250	1100	1550	1500	950	1550	1600
131	University of Phayao	Thailand	8200	1225	1525	1350	850	1625	1625

26-30

Rank 2023 ↑↓	University	Country	Total Score	Setting & Infrastructure	Energy & Climate Change	Waste	Water	Transportation	Education & Research
393	King Mongkut's Institute of Technology Ladkrabang	Thailand	6850	1125	1350	750	650	1475	1500
416	Sukhothai Thammathirat Open University	Thailand	6740	840	1275	1125	800	1275	1425
423	Phranakhon Si Ayutthaya Rajabhat University	Thailand	6710	850	1160	1275	550	1450	1425
428	Prince of Songkla University	Thailand	6690	1005	1075	1125	850	1185	1450
433	Kamphaeng Phet Rajabhat University	Thailand	6660	785	1225	1275	800	1025	1550

Results Comparison Year 2021 - 2023



Setting and Infrastructure



Type of higher education institution
Comprehensive

Climate
Tropical Wet

Number of Campus
13

Sukhothai Thammathirat Open University (Headquarters in Nonthaburi)

Regional Academic Resources and Community Engagement Centers

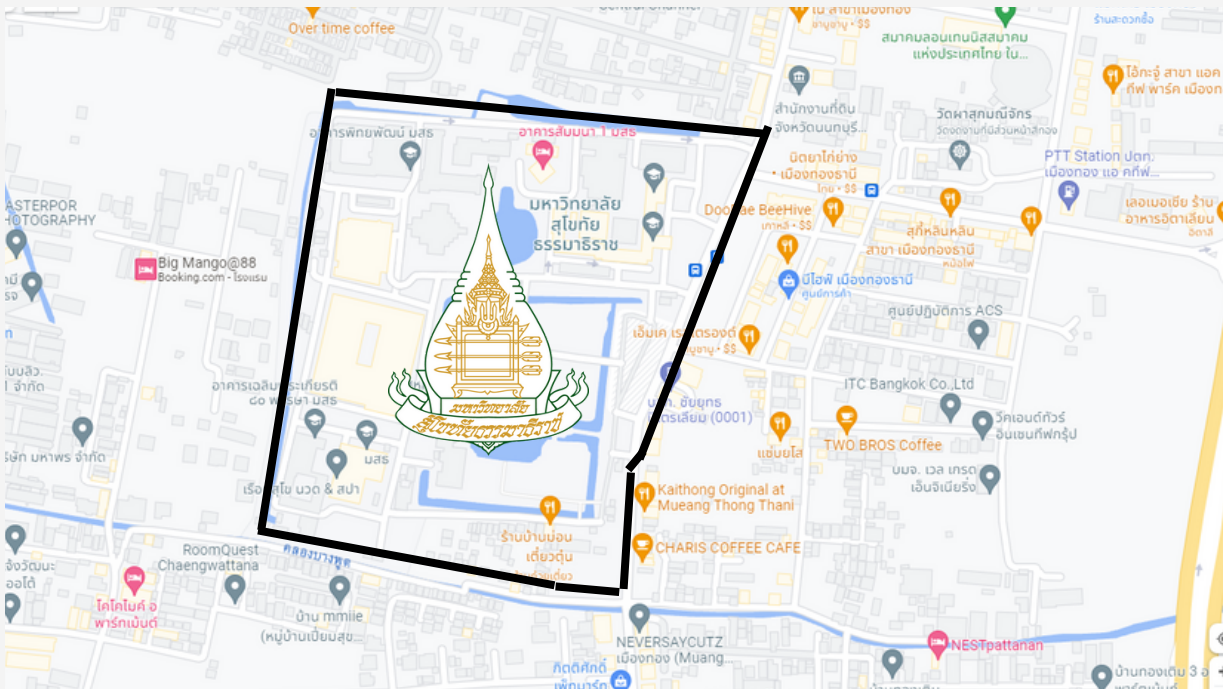
- Nonthaburi (Vicinity Central Provincial Cluster)
- Kanchaburi (Lower Central Provincial Cluster 1)
- Phetchaburi (Lower Central Provincial Cluster 2)
- Lampang (Upper Northern Provincial Cluster 1)
- Sukhothai (Lower Northern Provincial Cluster 1)
- Nakhon Sawan (Lower Northern Provincial Cluster 2)
- Nakhon Si Thammarat
(Southern Gulf of Thailand Provincial Cluster)
- Yala (Southern Provincial Cluster)
- Chanthaburi (Eastern Provincial Cluster 1)
- Nakhon Nayok (Eastern Provincial Cluster 2)
- Udon Thani
(Upper North-Eastern Provincial Cluster 1)
- Ubon Ratchathani
(Lower North-Eastern Provincial Cluster 2)



Setting and Infrastructure

Campus Setting Urban

Headquarters in Nonthaburi



Total Campus Area
424,589 M2

Headquarters in Nonthaburi and Regional Academic Resources
and Community Engagement Centers

Total campus ground floor area of buildings
64,720 M2

Total campus buildings area
220,787 M2

The ratio of open space to total area
85.22%

Setting and Infrastructure

Total area on campus covered in forest vegetation
0%

Total area on campus covered in planted vegetation
33.54%



Total area on campus for water absorption
besides forest and planted vegetation
38.60%



Setting and Infrastructure

Total number of regular students
56,366

Total number of online students
56,366

Total number of academic and administrative staff
1,721

The total open space area divided by
total campus population
6.20 m² /person



Setting and Infrastructure

Total university's budget (in US Dollars)
66,576,783

University's budget for sustainability effort
6,156,975 USD

Percentage of University's budget for sustainability effort
9%

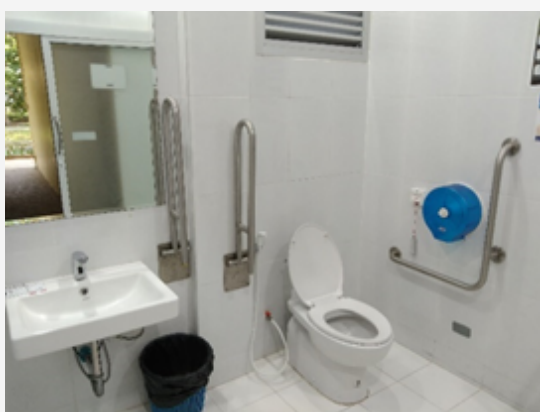
Percentage of operation and maintenance activities of building
100%



Setting and Infrastructure

Campus facilities for disable and maternity care

Facilities exits in all buildings
and are fully operated



Setting and Infrastructure

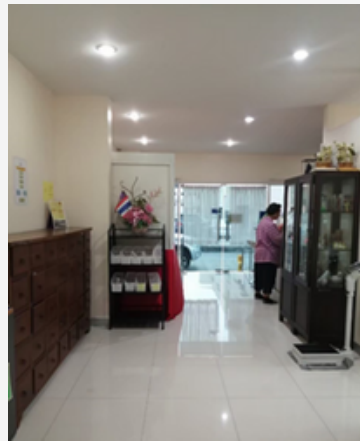
Security and safety facilities
Security infrastructures are available with
security responding time to accidents,
crime, fire, and natural disasters
is less than 10 minutes.



Setting and Infrastructure

Health infrastructure facilities for students and academic and administrative staff wellbeing

Health infrastructure (first aid, emergency room, clinic, hospital and certified personnel) system and accessible for public.



Setting and Infrastructure

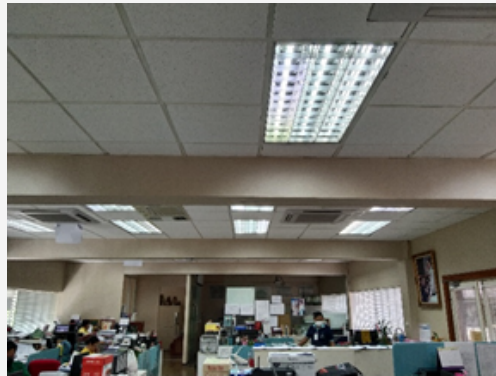
Conservation: Plant, animal and wildlife, genetic resources for food and agriculture secured in either medium or long term

Conservation program 25-50% implemented



Energy and Climate Change

Energy efficient appliances usage
> 50 - 75% (73%)



Number of renewable energy sources on campus
1 source (Solar Power)
Capacity produced 1,000 kWh



Energy and Climate Change

Electricity usage per year
1,037,202 kWh

Total electricity usage divided by total campus' population
< 279 kWh

The ratio of renewable energy production divided by total energy usage per year
< 0.5%

Elements of green building implementation as reflected in all construction and renovation policies
> 3 elements



**Natural Ventilation
for Air Circulation**



**Natural Lighting
for Daily Source**



**Natural Features to
Provide Natural Shade
for the Buildings**



**Less Glass Windows to
Reduce Solar Radiation**



**Green Building awarded as
"Building Energy Code"**

Energy and Climate Change

Greenhouse gas emission reduction program
Program(s) aimed to reduce three scopes
emissions (Scope 1, 2 and 3)



Total carbon footprint (CO₂ emission)
1,888.72 metric tons

Energy and Climate Change

Total carbon footprint divided by
total campus' population
< 0.1 metric tons per person

Impactful university program(s) on climate change
**Provide training and educational materials for
surrounding communities and at national level**

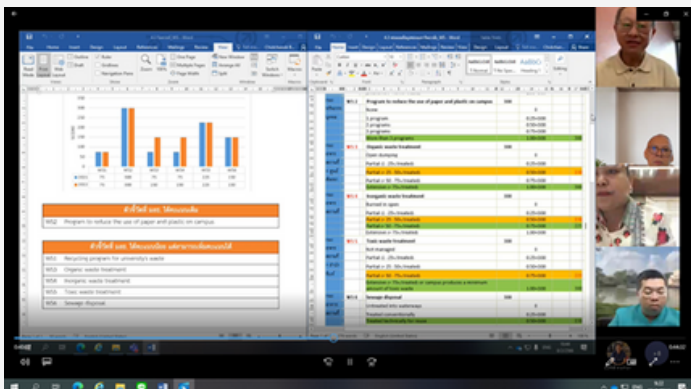


Waste

3R program for university's waste Extensive (> 75% of waste)



Program to reduce the use of paper and plastic on campus More than 3 programs



Waste

Total Volume Organic Waste produced
312 tons

Total Volume Organic Waste treated
312 tons

Organic Waste treatment
Extensive (> 75% treated)



Waste

Total Volume Inorganic Waste produced
181 tons

Total Volume Inorganic Waste treated
181 tons

Inorganic Waste treatment
Extensive (> 75% treated)



Waste

Total Volume Toxic Waste produced
4.5 tons

Total Volume Toxic Waste treated
4.5 tons

Toxic Waste treatment
Extensive (> 75% treated)

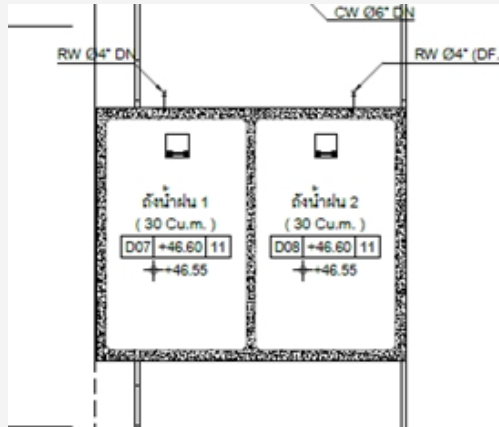


Sewage disposal
Treat with tertiary treatment



Water

Water conservation program & implementations
> 50% water conserved



Water recycling program implementation
> 25 - 50% water recycled



Water

Water efficient appliances usage
> 50% of water efficient appliances installed



Consumption of treated water
> 75% treated water consumed



Water

Water pollution control in campus area
Policy and programs for water pollution control
are fully implimented and monitored regularly



Transportation

Number of cars actively used
and managed by university
77

Number of cars entering the university daily
530

Number of motorcycles entering the university daily
125

The total number of vehicles
divided by total campus' population
< 0.045 (0.013)

Shuttle services
**Shuttle service is provided by university,
regular and free**



Transportation

Number of shuttles operated in the university
3

Average number of passengers of each shuttle
8

Total trips of each shuttle services each day
10

Zero Emission Vehicles (ZEV) policy on campus
Zero Emission Vehicles are available,
and provided by university free



Ratio of ground parking area to total campus area

14.47%



Transportation

Program to limit or decrease the parking area
on campus for the last 3 years
Program in preparation



Number of initiatives to decrease private vehicles
on campus
> 3 initiatives



Transportation

Pedestrian path on campus
 Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled- friendly features



**Approximate daily travel distance of a vehicle
 inside your campus only**
7 km

Education and Research

Number of courses related to sustainability offered
196

Total number of courses offered
949

The ratio of sustainability courses
to total courses/subjects
20.65%

Total research funds dedicated to sustainability research
(Average annually for the past 3 years)
80,162.87 USD

Total research funds
(Average annually for the past 3 years)
187,025.22 USD

The ratio of sustainability research funding
to total research funding
42.86%

Number of scholarly publications on sustainability
(Average annually for the past 3 years)
5

Education and Research

Number of events related to sustainability
(Average annually for the past 3 years)

20.6



Education and Research

Number of activities organized by student organizations related to sustainability per year

17



University-run sustainability website
Website is available, accessible
and updated occasionally.

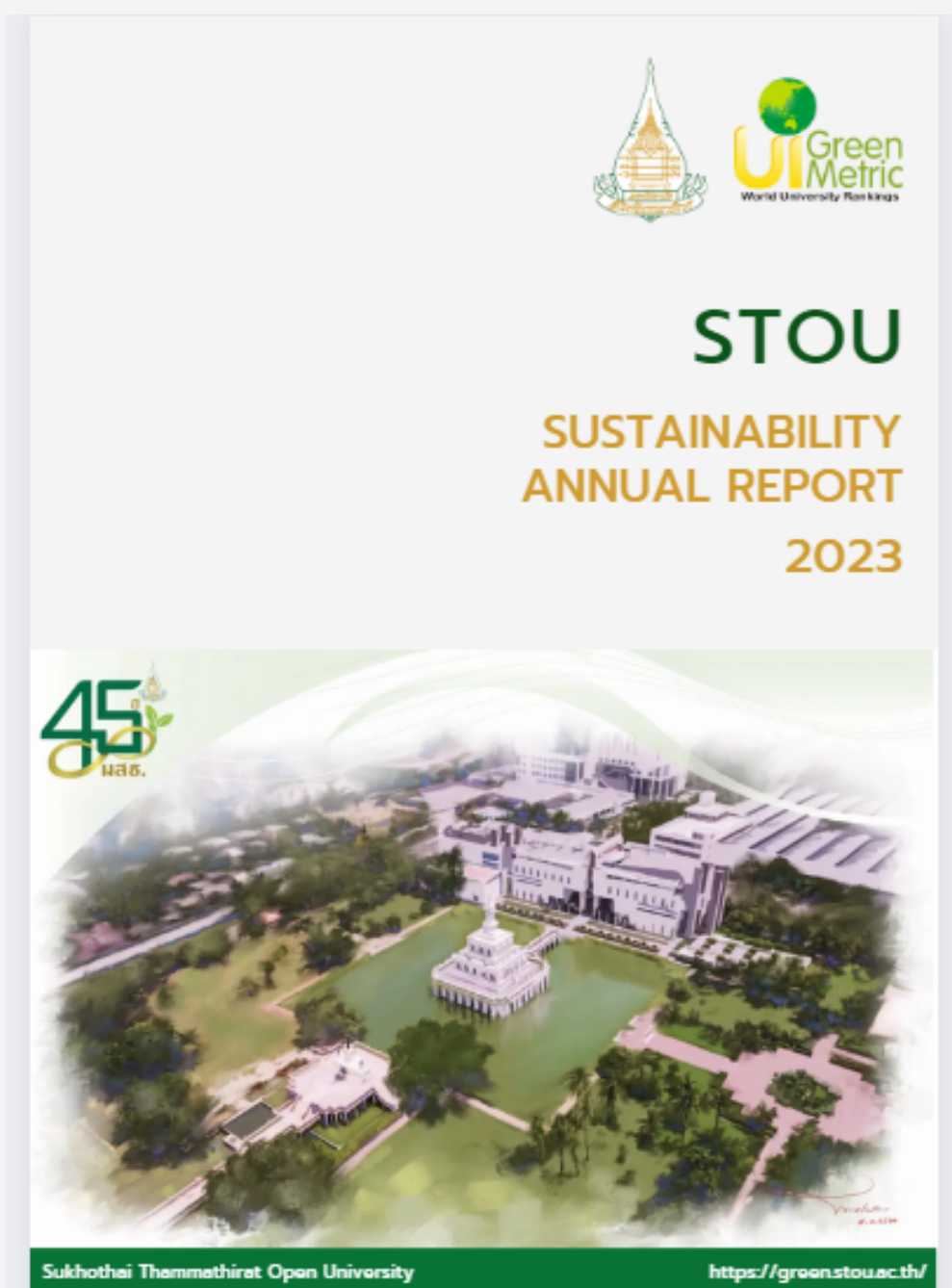


Sustainability website address (URL)
<https://green.stou.ac.th/>



Education and Research

Sustainability report
Sustainability Report is accessible and
published annually.



Education and Research

Number of cultural activities on campus
More than 3 events per year



Number of university programs
with international collaborations
More than 3 programs



Education and Research

Number of sustainability community services project organized and/or involving students
More than 3 projects



Number of sustainability-related startups
2 startups





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