



STOU

SUSTAINABILITY ANNUAL REPORT 2025

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Message from STOU President

Assoc. Prof. Dr. Taweewat Watthanakuljaroen
Member of the University Council
Acting President



At Sukhothai Thammathirat Open University (STOU), sustainability” is not merely a trend but a fundamental pillar of our mission. Guided by Thailand’s national vision of Security, Prosperity, and Sustainability, our university is steadfast to integrating the United Nations Sustainable Development Goals (SDGs) into our core strategies and operations.

Our commitment extends beyond academic excellence. We strive to enhance the well-being of our communities, society, and nation by fostering a culture of sustainability among our students, school members and staff. This includes promoting environmental awareness, implementing eco-friendly practices, operating our campus sustainably, and embedding sustainability principles into our teaching, research and daily operations.

In facing global challenges – ranging from public health crisis and climate change to social, economic and structural inequalities, STOU envisions a path toward sustainable internationalization and long-term societal value. Our active participation in the UI GreenMetric World University Ranking underscore our dedication to environmental stewardship and our aspiration to be a model for sustainable higher education in Thailand.

Together, let us continue to reduce our environmental footprint, advance sustainable practices, and inspire future generations to become responsible global citizens and stewards of our planet.

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



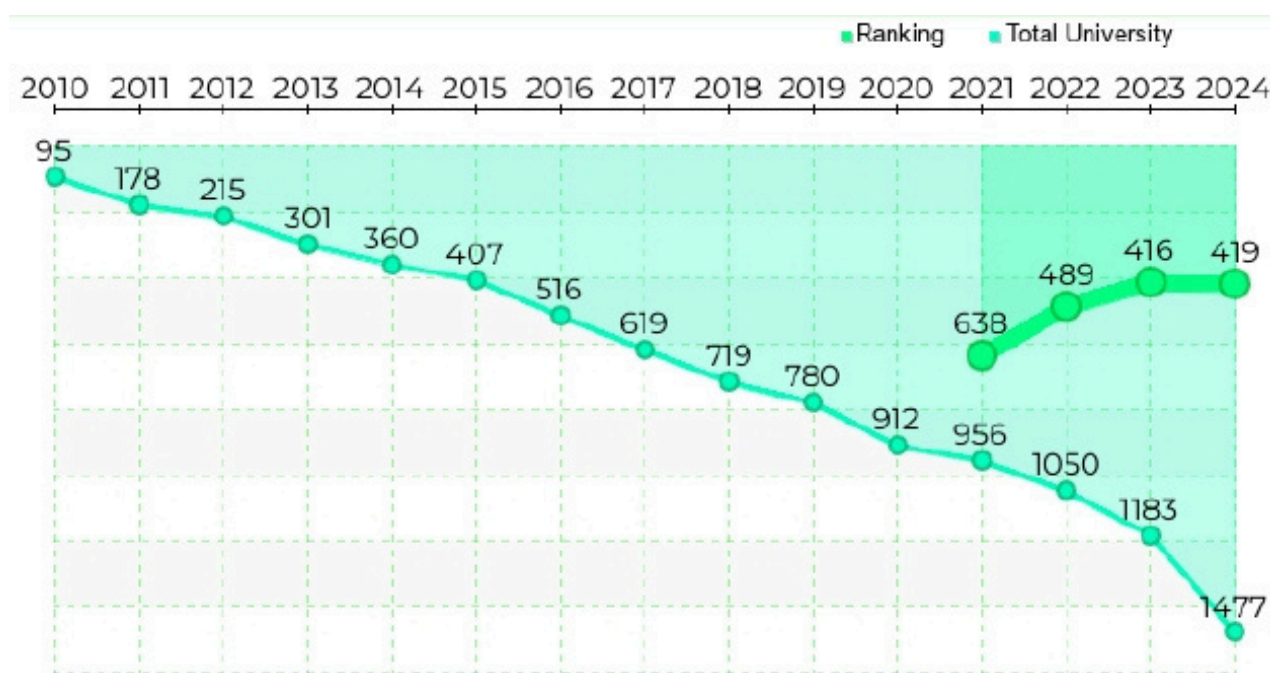
Mission 5

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

World Rankings in 2024



World Rankings in 2024

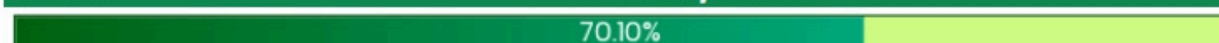
Campus Sustainability Scores

Overall Performance

70.10 %

Total Score

7010 / 10000



Setting & Infrastructure

Current: **750** Maximum: 1500



Water

Current: **800** Maximum: 1000



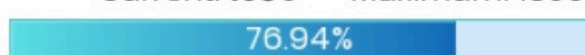
Energy & Climate Change

Current: **1300** Maximum: 2100



Transportation

Current: **1385** Maximum: 1800



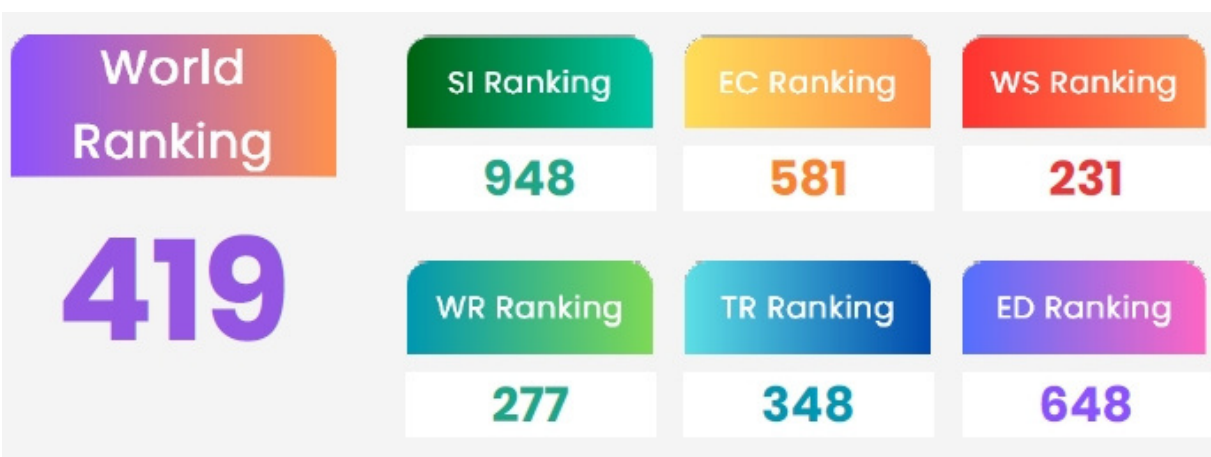
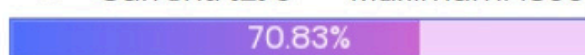
Waste

Current: **1500** Maximum: 1800

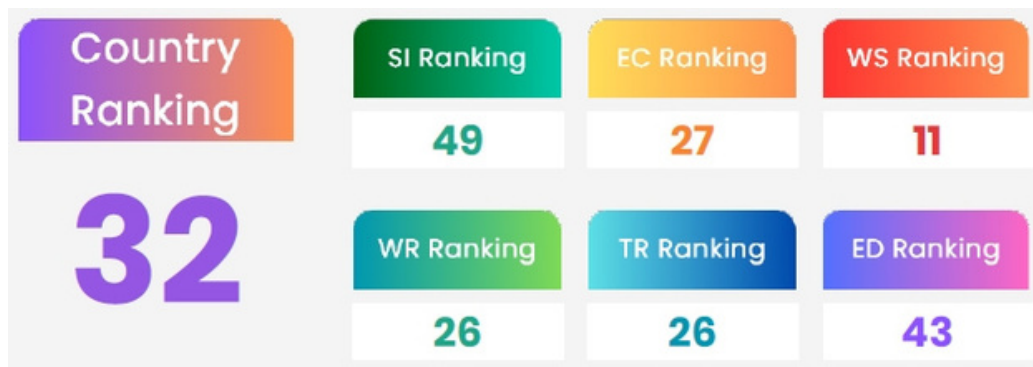


Education & Research

Current: **1275** Maximum: 1800



Thailand Rankings in 2024



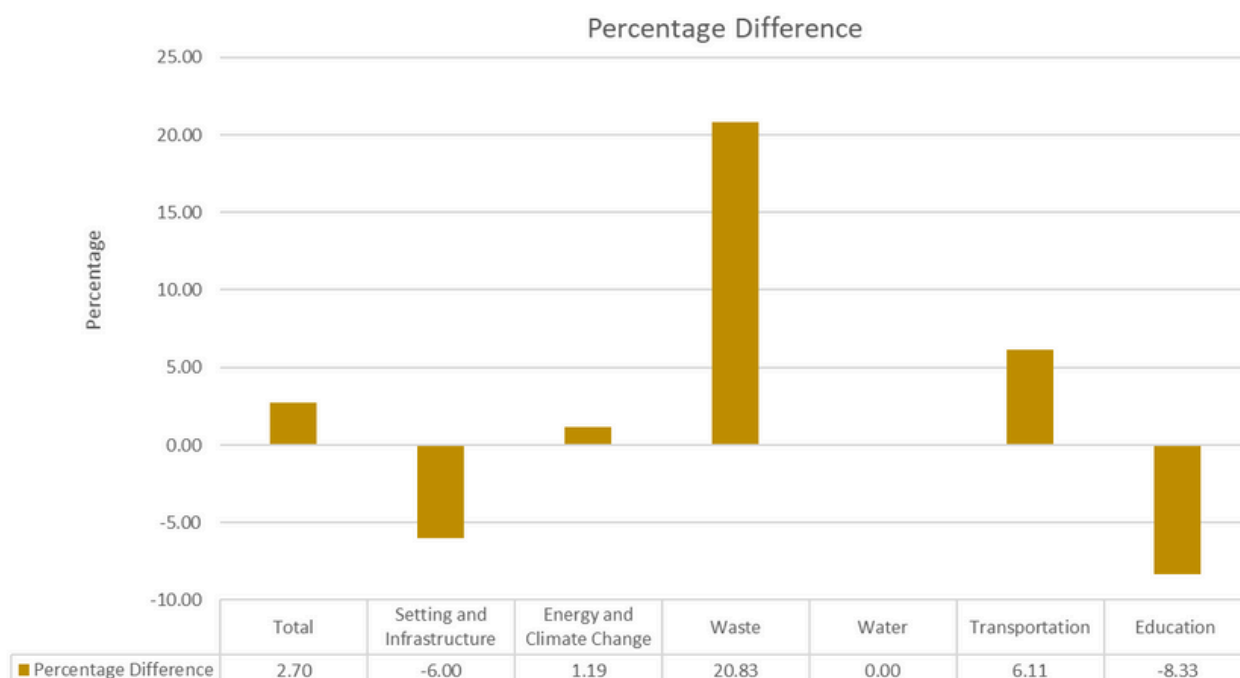
Top 5

Country Rank	University	Total Score	SI Score	EC Score	WS Score	WR Score	TR Score	ED Score
1	Kasetsart University 📍 Thailand, Asia	8825	1300	1675	1575	900	1750	1625
2	Mahidol University 📍 Thailand, Asia	8775	1200	1525	1650	900	1700	1800
3	King Mongkut's University of Technology Thonburi 📍 Thailand, Asia	8750	1325	1625	1350	900	1750	1800
4	Suranaree University of Technology 📍 Thailand, Asia	8685	1275	1725	1800	900	1375	1610
5	Siam University 📍 Thailand, Asia	8650	1175	1550	1425	950	1750	1800

31-35

Country Rank	University	Total Score	SI Score	EC Score	WS Score	WR Score	TR Score	ED Score
31	Bansomdejchaopraya Rajabhat University 📍 Thailand, Asia	7065	715	1500	1125	450	1525	1750
32	Sukhothai Thammathirat Open University 📍 Thailand, Asia	7010	750	1300	1500	800	1385	1275
33	Loei Rajabhat University 📍 Thailand, Asia	6810	1200	1000	1425	600	1185	1400
34	Nakhon Si Thammarat Rajabhat University 📍 Thailand, Asia	6750	1225	1050	900	650	1475	1450
35	Phranakhon Si Ayutthaya Rajabhat University 📍 Thailand, Asia	6560	900	1160	1200	350	1500	1450

Results Comparison Year 2021 - 2024



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

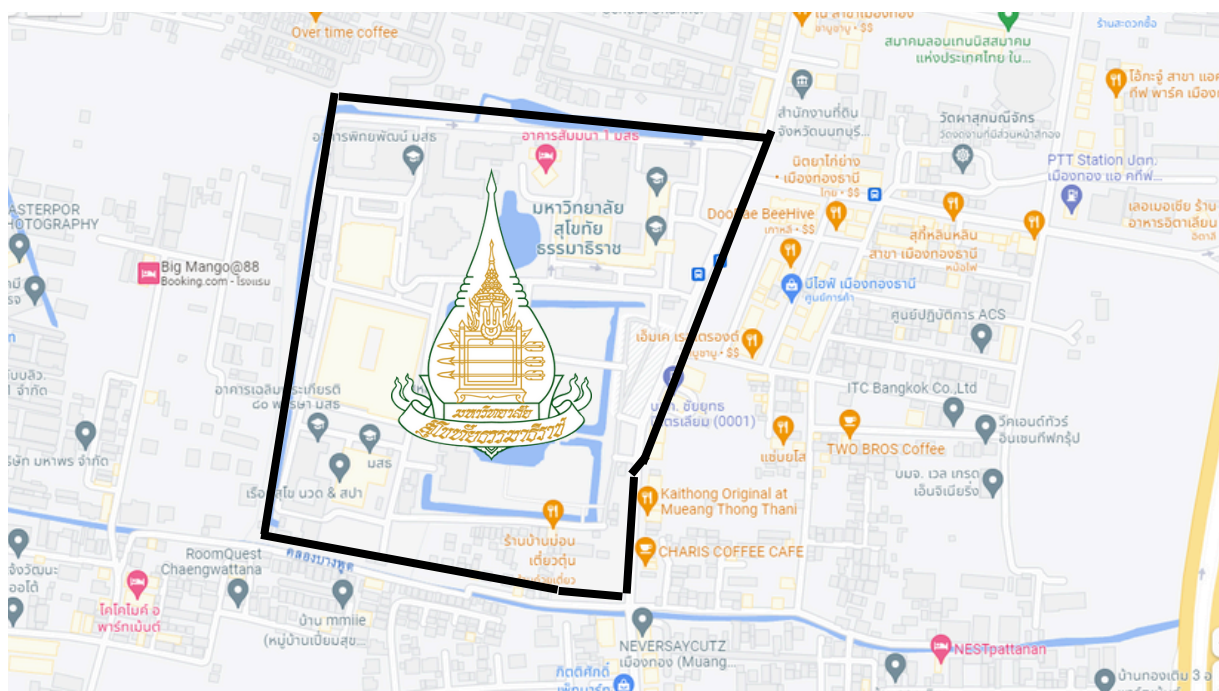
- Nonthaburi (Vicinity Central Provincial Cluster)
- Kanchaburi (Lower Central Provincial Cluster 1)
- Phetchaburi (Lower Central Provincial Cluster 2)
- Lampang (Upper Northern Provincial Cluster 1)
- Sukhothai (Lower Northern Provincial Cluster 1)
- Nakhon Sawan (Lower Northern Provincial Cluster 2)
- 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
84.76%

Setting and Infrastructure

Total area on campus covered in forest vegetation
2.74%

Total area on campus covered in planted vegetation
33.54%



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



Setting and Infrastructure

Total number of regular students
47,190

Total number of online students
92,837

Total number of academic and administrative staff
1,716

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

Total university's budget (in US Dollars)
60,782,738

University's budget for sustainability effort (in US Dollars)
3,836,338

Percentage of University's budget for sustainability effort
2.06%

Setting and Infrastructure

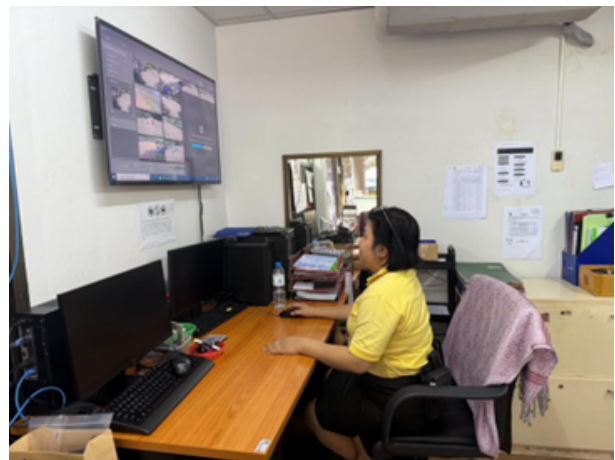
Campus facilities for disable and maternity care
Facilities are partially available and operated



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 5 minutes.



Setting and Infrastructure

Health infrastructure facilities for students and academic and administrative staff wellbeing

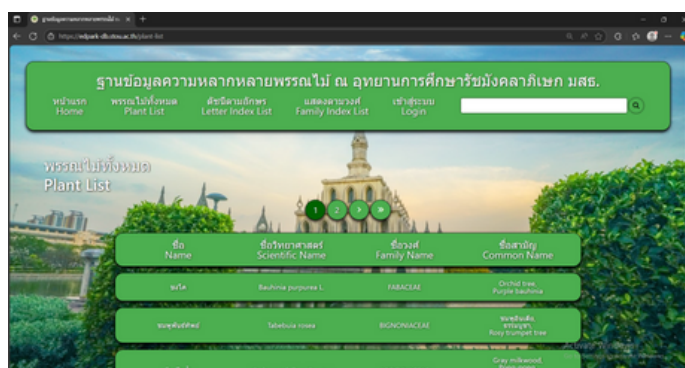
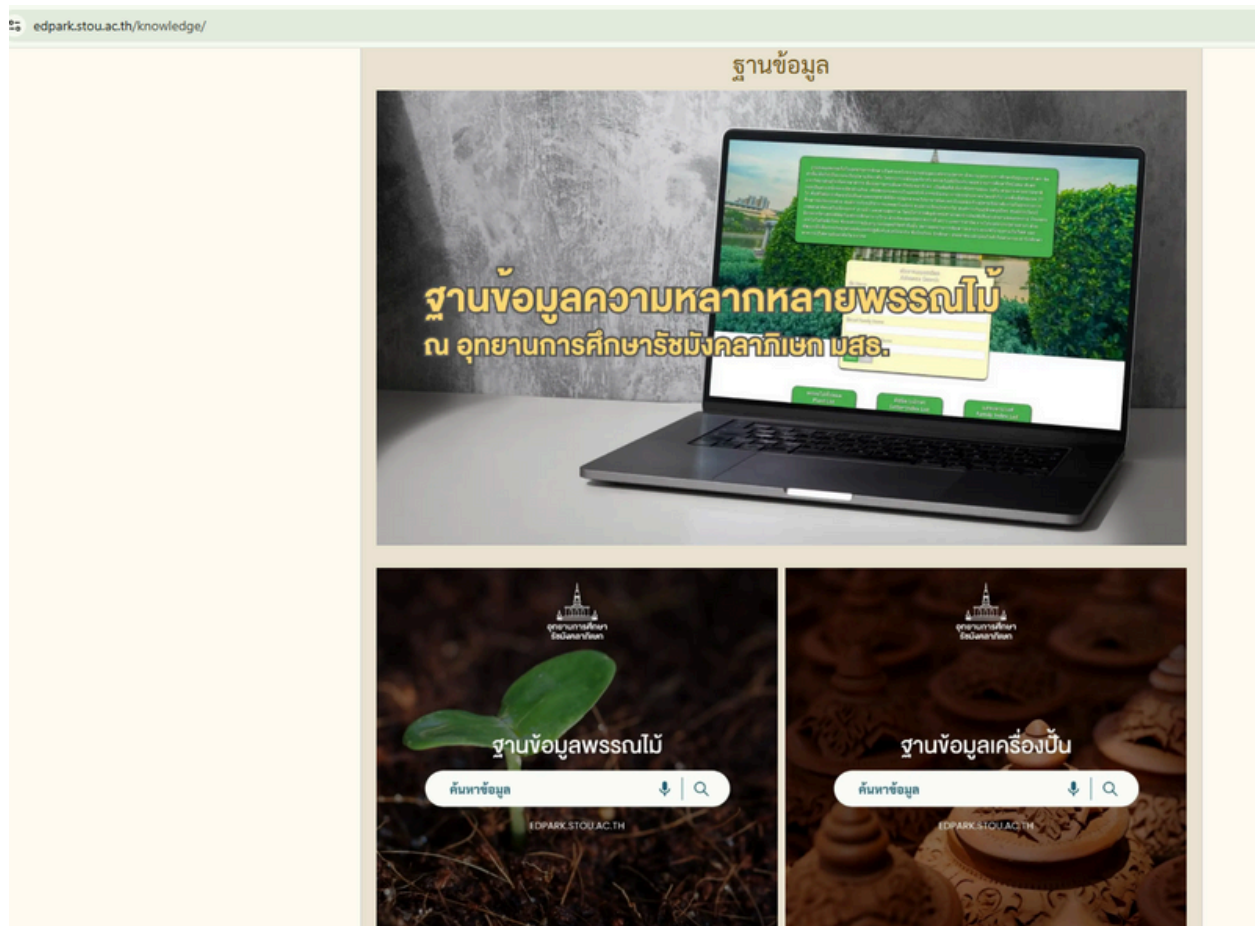
Health infrastructure (first aid, emergency room, clinic, hospital and certified personnel) system and accessible for public.



Setting and Infrastructure

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

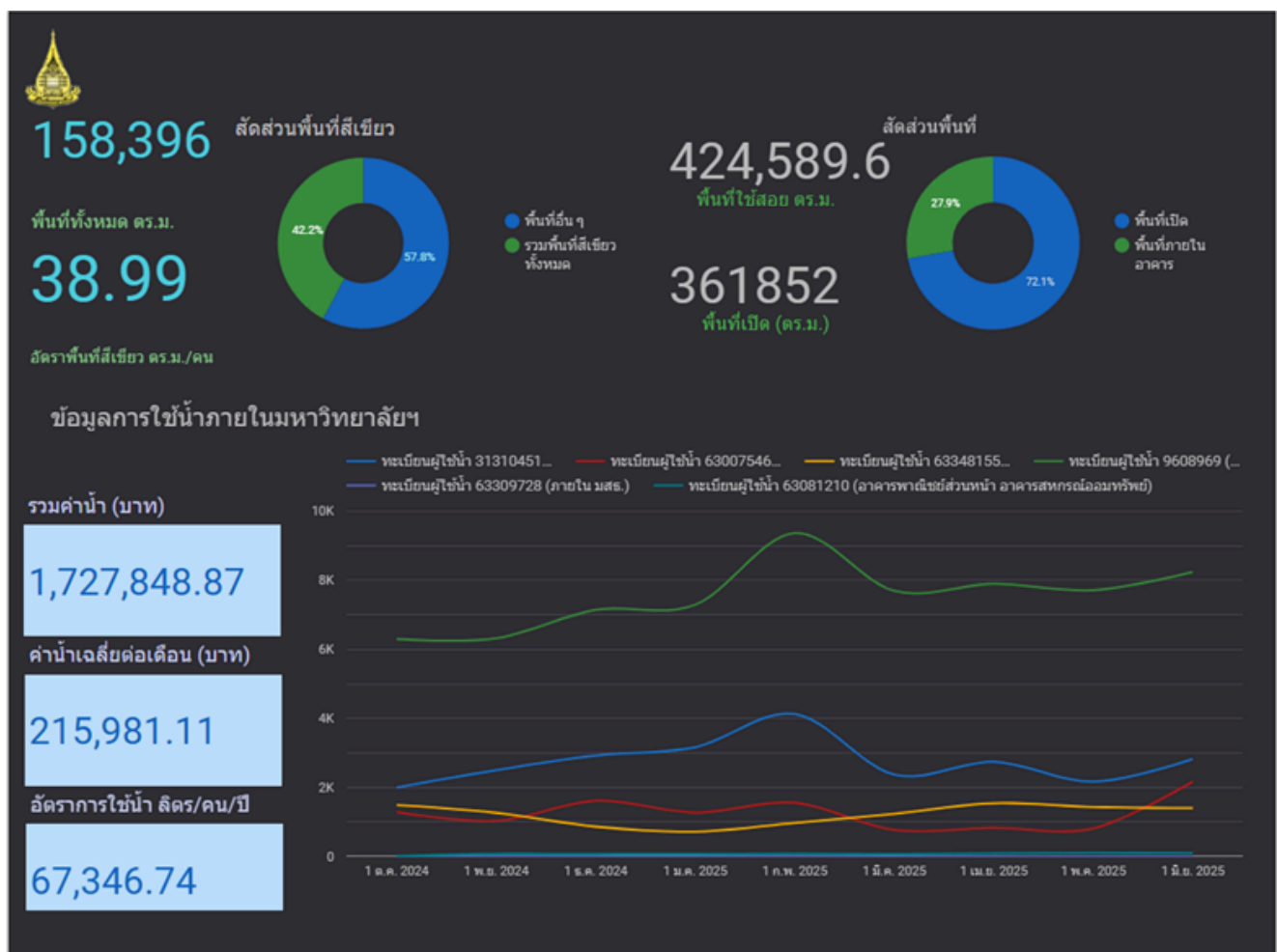
Conservation program >75% implemented



Setting and Infrastructure

Planning, implementation, monitoring and/or evaluation of all programs related to Setting and Infrastructure through the utilization of Information and Communication Technology (ICT)

Program has been implemented, evaluated, and is currently revised

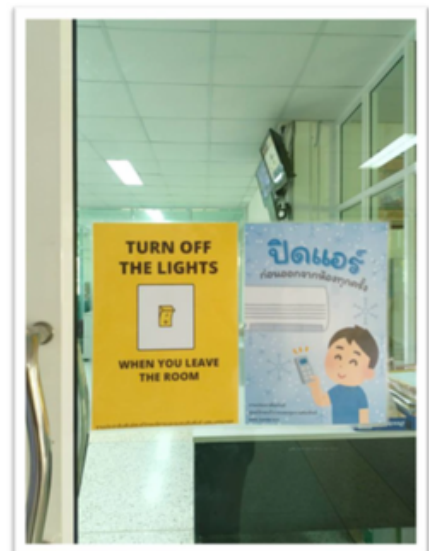
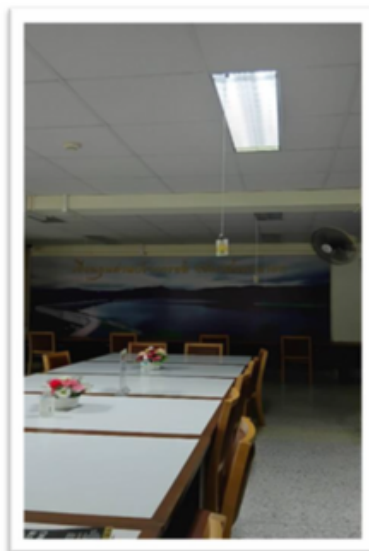


Impact of Setting and Infrastructure programs in supporting the Sustainable Development Goals (SDGs)

Moderate impact (supporting 3–5 SDGs)

Energy and Climate Change

Energy efficient appliances usage
> 75% (100%)



Energy and Climate Change

Total campus smart building area
3375 m²

Smart Building implementation
1.93%

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



Electricity usage per year
9,835,604 kWh

Total electricity usage divided by
total campus' population
< 201 kWh

The ratio of renewable energy production divided by
total energy usage per year
0.0125%

Energy and Climate Change

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

> 3 elements



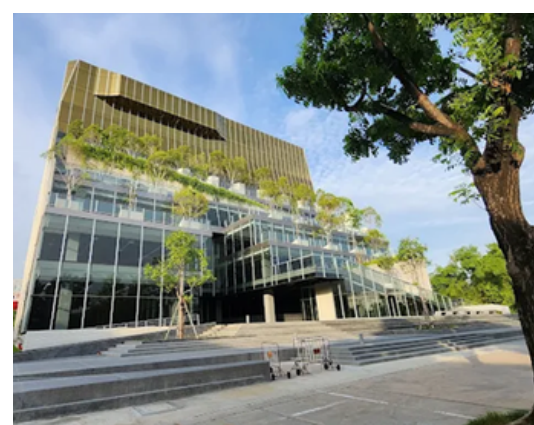
Natural Ventilation
for Air Circulation



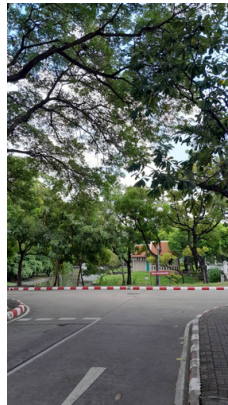
Natural Lighting
for Daily Source



Less Glass Windows to
Reduce Solar Radiation



Green Building awarded as
"Building Energy Code"



Natural Features to
Provide Natural Shade
for the Buildings

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)
8,819 metric tons

Energy and Climate Change

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

Number of Innovative Programs
in energy and climate change
5 programs



Energy and Climate Change

Impactful university program(s) on climate change

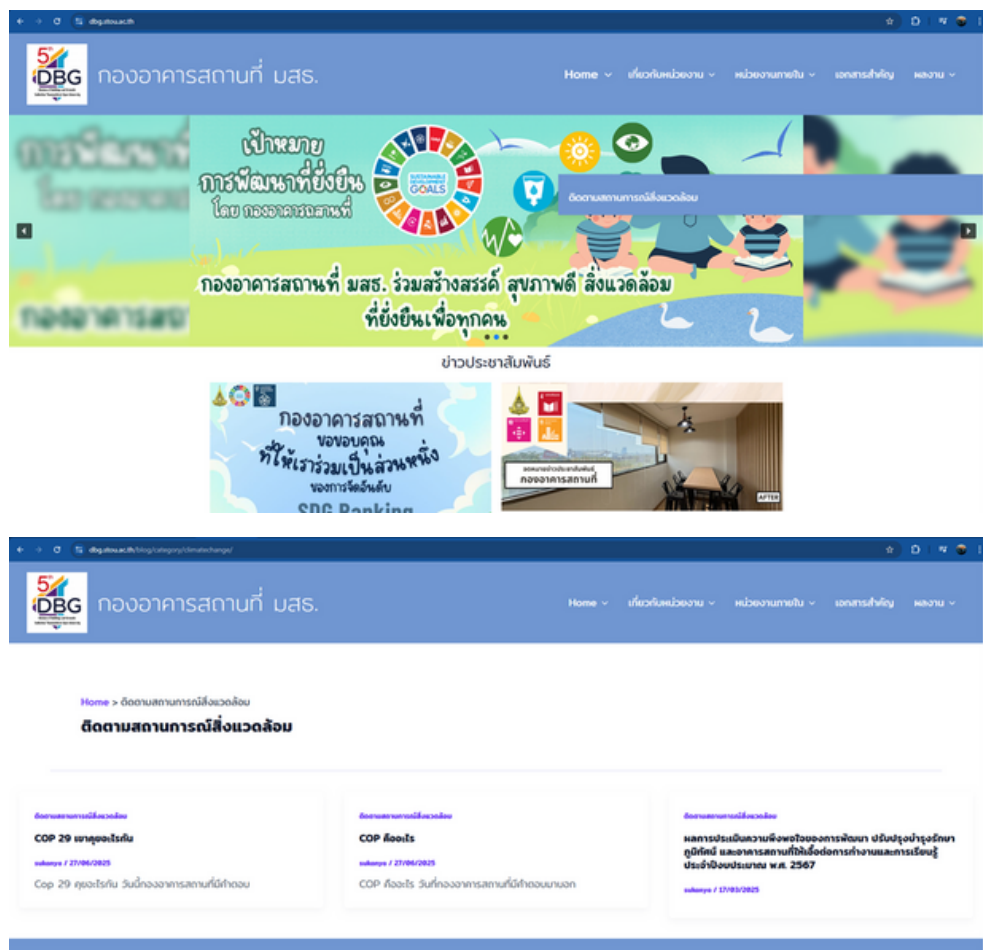
Provide training, educational materials, conferences and activities which are implemented by communities at international level



Energy and Climate Change

Planning, implementation, monitoring and/or evaluation of all programs related to Energy and Climate Change through the utilization of Information and Communication Technology (ICT)

Program has been implemented, evaluated, and is currently revised



Impact of Energy and Climate Change programs in supporting the Sustainable Development Goals (SDGs)

Moderate impact (supporting 3–5 SDGs)

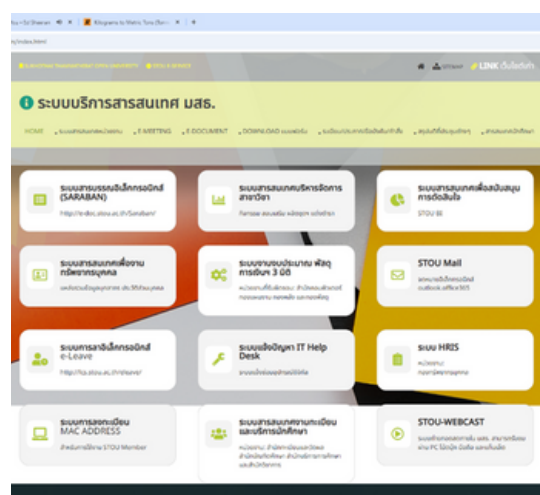
Waste

3R program for university's waste
3R Program > 75% implemented

Total volume of paper and plastic produced this year
53 Tons

Total volume of paper and plastic produced last year
160 Tons

Program to reduce the use of paper and plastic on campus
More than 10 programs



Waste

Total volume of organic waste produced this year
46 Tons

Total volume of organic waste produced last year
322 Tons

Total volume of organic waste treated this year
45 Tons

Organic waste treatment
Extensive (> 85% treated)



Waste

Total volume of inorganic waste produced this year
53 Tons

Total volume of inorganic waste produced last year
160 Tons

Total volume of inorganic waste treated this year
53 Tons

Inorganic waste treatment
Extensive (> 85% treated)



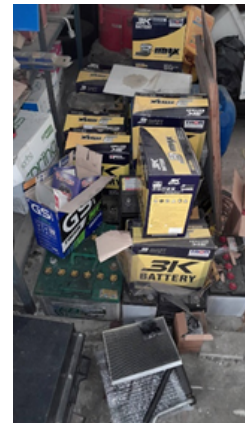
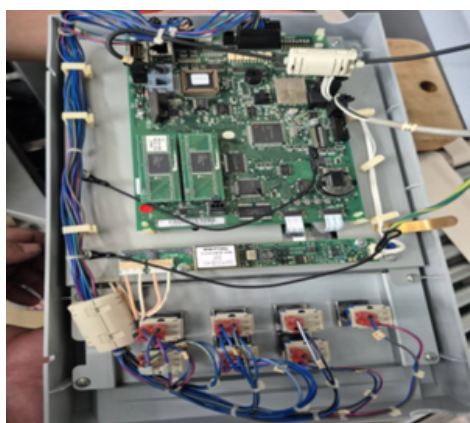
Waste

Total volume of toxic waste produced this year
4 Tons

Total volume of toxic waste produced last year
4 Tons

Total volume of toxic waste treated this year
4 Tons

Toxic waste treatment
Extensive (> 85% treated)

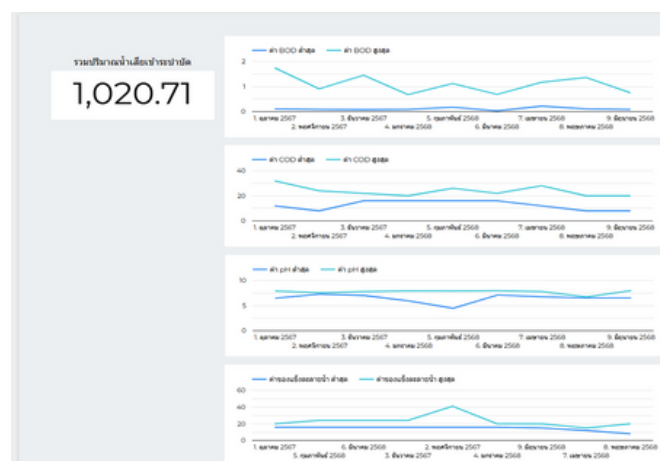


Waste

Sewage disposal Treated with tertiary treatment



Planning, implementation, monitoring and/or evaluation of all programs related Waste Management through the utilization of Information and Communication Technology (ICT) Program has been implemented, evaluated, and is currently revised



Impact of Energy and Climate Change programs in supporting the Sustainable Development Goals (SDGs)
Significant impact (supporting 6–9 SDGs)

Water

Water conservation program & implementations
 > 25 - 50% water conserved



Water recycling program implementation
 > 50% water recycled



Water

Water efficient appliances usage
> 80% 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



ประกาศมหาวิทยาลัยสุโขทัยธรรมาธิราช

เรื่อง นโยบายการพัฒนามหาวิทยาลัยสีเขียว ระยะ ๕ ปี (พ.ศ. ๒๕๖๖ – ๒๕๗๐)

ตามที่ มหาวิทยาลัยสุโขทัยธรรมาธิราชมีเป้าหมายการพัฒนามหาวิทยาลัยให้มีสภาพแวดล้อมที่เอื้อต่อการทำงาน การเรียนรู้และเป็นมหาวิทยาลัยสีเขียว ซึ่งสอดคล้องกับเป้าประสงค์ของประเด็นยุทธศาสตร์ที่ ๑๒ พัฒนาโครงสร้างพื้นฐานทางด้านกายภาพที่เอื้อต่อการทำงานและการเรียนรู้เพื่อเป็นมหาวิทยาลัยยั่งยืน ที่กำหนดไว้ในแผนพัฒนามหาวิทยาลัยสุโขทัยธรรมาธิราช ระยะ ๒๐ ปี (พ.ศ. ๒๕๖๑-๒๕๘๐) เพื่อให้บรรลุเป้าหมายในการพัฒนาดังกล่าวและขับเคลื่อนมหาวิทยาลัยสู่การเป็นมหาวิทยาลัยสีเขียว อาศัยอำนาจตามความในมาตรา ๒๐ แห่งพระราชบัญญัติมหาวิทยาลัยสุโขทัยธรรมาธิราช พ.ศ. ๒๕๒๑ และข้อ ๑๑ แห่งระเบียบมหาวิทยาลัยสุโขทัยธรรมาธิราช ว่าด้วยการพัฒนามหาวิทยาลัยสีเขียว พ.ศ. ๒๕๖๔ ประกอบกับมติคณะกรรมการอำนวยการพัฒนามหาวิทยาลัยสีเขียว มหาวิทยาลัยสุโขทัยธรรมาธิราช ในการประชุมครั้งที่ ๒/๒๕๖๖ เมื่อวันที่ ๒๗ มิถุนายน ๒๕๖๖ จึงออกประกาศไว้ ดังต่อไปนี้

๔.๔ ด้านน้ำ

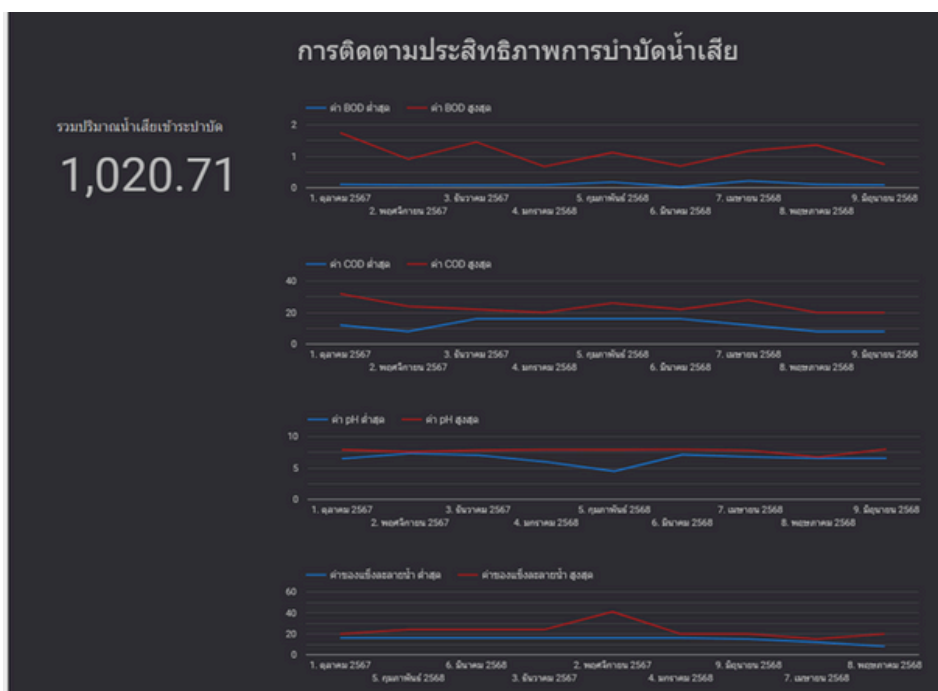
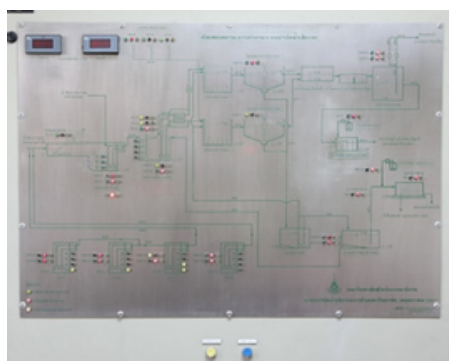
๔.๔.๑ เปลี่ยนเป็นอุปกรณ์ประหยัดน้ำ บำรุงรักษาเป็นประจำและเปลี่ยนวัสดุอุปกรณ์ตามอายุการใช้งาน

๔.๔.๒ สอดแทรกความรู้และส่งเสริมกิจกรรมที่สร้างความตระหนักให้กับบุคลากร นักศึกษา และบุคคลภายนอกในการใช้ทรัพยากรน้ำอย่างประหยัดและไม่ทิ้งขยะหรือสารเคมีลงในน้ำ

Water

Planning, implementation, monitoring and/or evaluation of all programs related to Water Management through the utilization of Information and Communication Technology (ICT)

Program has been implemented, evaluated, and is currently revised



Impact of Energy and Climate Change programs in supporting the Sustainable Development Goals (SDGs)

Low impact (supporting 1–2 SDGs)

Transportation

Number of cars actively used
and managed by university
72

Number of cars entering the university daily
1,200

Number of motorcycles entering the university daily
800

The total number of vehicles
divided by total campus' population
< 0.045 (0.042)

Shuttle services
Provided by university,
regular and zero emission vehicle



Transportation

Number of shuttles operated in the university
3

Average number of passengers of each shuttle
15

Total trips of each shuttle services each day
20

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



Transportation

Average number of Zero Emission Vehicles (ZEV) on campus per day
130

The total number of Zero Emission Vehicles (ZEV) divided by total campus population
0.0026

Total ground parking area
15,965 m²

Ratio of ground parking area to total campus area
3.76%



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

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
1.1 km

Planning, implementation, monitoring and/or evaluation of all programs related to Transportation through the utilization of Information and Communication Technology (ICT)
None

Impact of Energy and Climate Change programs in supporting the Sustainable Development Goals (SDGs)
Significant impact (supporting 6–9 SDGs)

Education and Research

Number of courses related to sustainability offered
176

Total number of courses offered
1,031

Total number of study program related to sustainability
46

The ratio of sustainability courses
to total courses/subjects
17.08%

Total research funds dedicated to sustainability research
(Average annually for the past 3 years)
65,280.82 USD

Total research funds
(Average annually for the past 3 years)
222,841.72 USD

The ratio of sustainability research funding
to total research funding
29%

Number of lecturers and researchers on campus
372

Number of scholarly publications on sustainability
(Average annually for the past 3 years)
44

Education and Research

Ratio of scholarly publications on sustainability to lecturers and researchers on campus in one year period

0.11

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

46



Education and Research

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

24



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

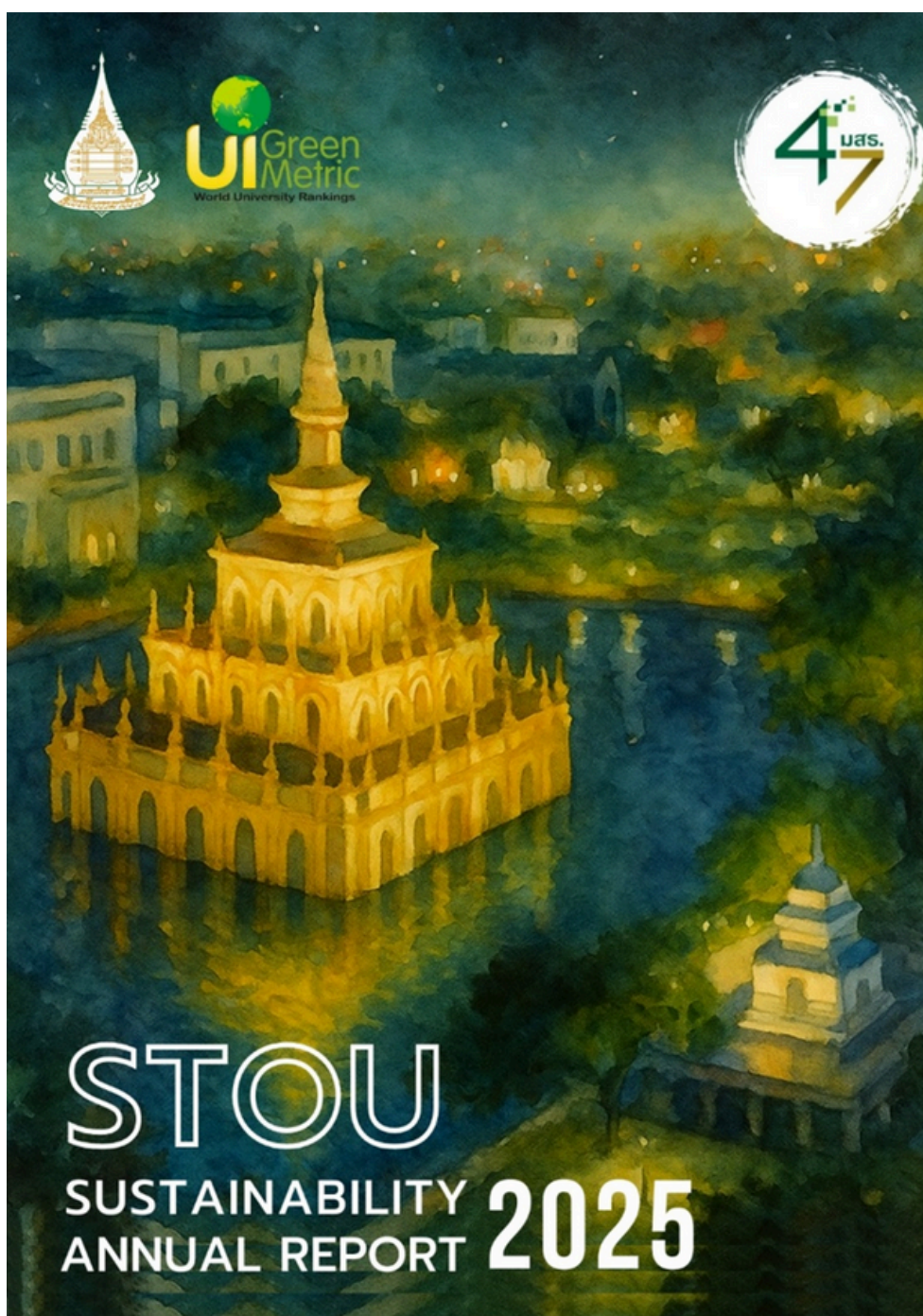


Sustainability website address (URL)
<https://green.stou.ac.th/>



Education and Research

Sustainability report
Sustainability Report is accessible and
published annually.



Education and Research

Number of cultural activities on campus
27 Events per year



Education and Research

Number of university programs
with international collaborations
13 programs per year

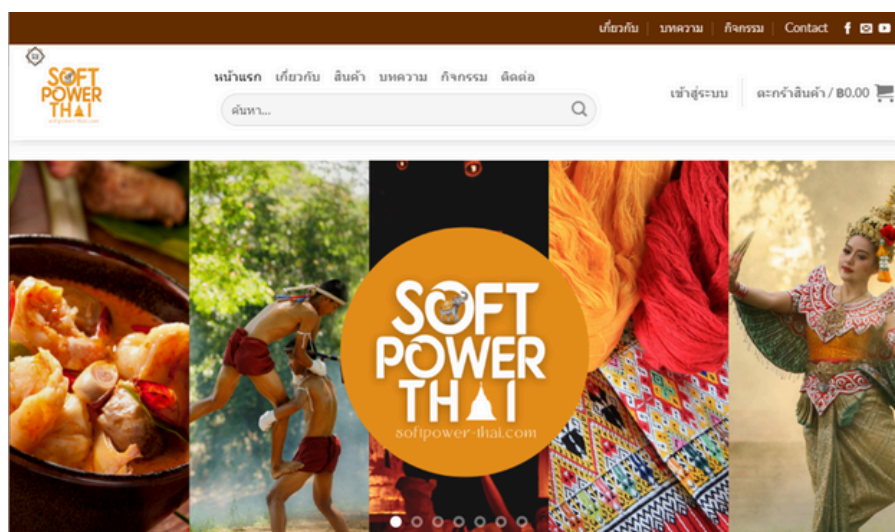


Number of sustainability community services project
organized and/or involving students
19 programs per year



Education and Research

Number of sustainability-related startups
2 startups



Total number of graduates with green jobs
440 Graduates in Academic Year 2022-2024

Total number of graduates
25,638 Graduates in Academic Year 2022-2024

Percentage of number of graduates with green jobs
1.42

Education and Research

Availability of Units or Offices that coordinate or are related to sustainability

Units with university leader decree of establishment, structure and duties has been operational and lead the university implementation of sustainability

Green University Development Steering Committee

Chair



Assoc. Prof. Dr. Taweewat Wattanakuljaroen
Member of the University Council
Acting President

Committee Members



Asst. Prof. Dr. Padcharae Phasuk
Acting Vice-President for
Academic Affairs



Asst. Prof. Dr. Karn Boonsiri
Acting Vice-President for
Academic Services, Networking and
Special Affairs



Assoc. Prof. Dr. Thanasak Sajjampa
Acting Vice-President for
Planning, Strategy and Educational
Technology



Asst. Prof. Dr. Pavin Chinachoti
Acting Vice-President for
General Administration and Human
Resources



Asst. Prof. Satawat Doungpan
Acting Vice-President for
Physical and Environmental Affairs



Asst. Prof. Dr. Songlak
Sakulwichitsintu
Acting Vice-President for
Research, Innovation,
Information Technology and
International Affairs



Dr. Tanapond Swanpitak
Acting Vice-President for
Financial Affairs and University Assets



Asst. Prof. Dr. Akadet Manoleehagul
Acting Vice-President for
University Council Affairs



Assoc. Prof. Saravuth Suthammasa
External Expert



Mr. Kasit Chantawong
Acting Director of Building and
Ground Division



Asst. Prof. Dr. Worravit Nakpan
Director of Department of
International Affairs

Program has been implemented, evaluated and currently revised.



Impact of Energy and Climate Change programs in supporting the Sustainable Development Goals (SDGs)

Very high impact (supporting 14–17 SDGs)

Low Emission Support Scheme: LESS





ใบประกาศเกียรติคุณ
(Letter of Recognition: LOR)

โครงการสนับสนุนกิจกรรมลดก๊าซเรือนกระจก
(Low Emission Support Scheme: LESS)

กระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม
โดย องค์การบริหารจัดการก๊าซเรือนกระจก (องค์การมหาชน)

เพื่อแสดงว่า

มหาวิทยาลัยสุโขทัยธรรมาราช

ดำเนิน

กิจกรรมด้านการจัดการของเสีย จำนวน 2 กิจกรรม

ได้รับการประเมินว่าสามารถลดก๊าซเรือนกระจกได้

11.735 ตันคาร์บอนไดออกไซด์เทียบเท่า
(1 ตุลาคม 2567 – 28 กุมภาพันธ์ 2568)


 นายณกรณ์ ตรรกวิรพัท
 ผู้อำนวยการองค์การบริหารจัดการก๊าซเรือนกระจก
 ให้ไว้ ณ วันที่ 22 กรกฎาคม พ.ศ. 2568

หน่วยงาน/กิจกรรม	ระยะเวลาที่ขอรับรองปริมาณการลด/กักเก็บก๊าซเรือนกระจก	ปริมาณก๊าซเรือนกระจกที่ลด/กักเก็บได้ (kgCO ₂ e)
1. การคัดแยกกล่องประเภทยูเอชทีเพื่อนำไปรีไซเคิลเป็นวัสดุใหม่ (โดยสถานวิเทศสัมพันธ์)	1 ตุลาคม 2567 – 28 กุมภาพันธ์ 2568 (4 เดือน)	278
2. การเปลี่ยนขยะอินทรีย์เป็นอาหารสัตว์ มหาวิทยาลัยสุโขทัยธรรมาราช (โดยศูนย์สัมมนา มสธ. และ สโมสรสุโขทัยธรรมาราช)	1 ตุลาคม 2567 – 28 กุมภาพันธ์ 2568 (4 เดือน)	11,457
รวมทั้งหมด		11,735



5 กันยายน

วันคล้ายวันสถาปนามหาวิทยาลัยสุโขทัยธรรมาธิราช

47 ปี มสธ.

มหาวิทยาลัยดิจิทัล เพื่อการศึกษากาทางไกล



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