Industrial University of Ho Chi Minh City

SDG 13
CLIMATE ACTION

IUH RANKINGS MANAGEMENT

SDG 13

CLIMATE ACTION

HÀNH ĐỘNG VÌ KHÍ HẬU

THE Sustainability Impact Ratings 2027

Data year	Metrics	Indicators
2025	3	9

IUH's contribution to climate action through low-carbon energy monitoring, climate education, cooperation with communities and public authorities, and a carbon neutrality roadmap.

ENERGY GROUP

SDG Working Group • 7 members



Nguyễn Thanh Việt

GROUP LEADER

Vice Dean · Faculty of Civil Engineering



Đoàn Thị Hồng Hải

MEMBER · LECTURER

Faculty of Heat and Refrigeration Engineering



Võ Bảo Trung

MEMBER · DEPUTY DIRECTOR

Center of System Management



Đoàn Thị Bằng

MEMBER · LECTURER

Faculty of Electrical Engineering Technology



Nguyễn Phương Thy

MEMBER · SPECIALIST

Office of Planning and Investment



Đặng Ích Hải

MEMBER · SPECIALIST

Administration Office



Trần Thị Kim Luyến

MEMBER · SPECIALIST

Office of Testing and Quality assurance

Industrial University of Ho Chi Minh City

GROUP 13.2 – Low-carbon energy use

SDG 13 CLIMATE ACTION

13.2.1 Low-carbon energy tracking

Measuring and tracking low-carbon energy usage across the university.

Strategic Direction (Thrust)	KPIs	Activities	Expected Results	Responsible Unit	Timeline
Thrust 3: Modern and Comfortable Facilities	Building a green campus (Reduce power consumption rate; Reduce carbon emissions) & Infrastructure maintenance management	Formulate and issue the Whole-University Low-Carbon Energy Tracking System (IUH Low-Carbon Energy Tracking System): inventorying all energy consumption sources (national grid, rooftop solar PV systems, backup generators, vehicle fuel) and establishing a whole-university measurement scope.	Decision issuing the Regulations on University-Level Clean Energy Tracking and Management; Catalog identifying all low-carbon energy consumption points and supply sources for 2025.	Office of Planning and Investment, Office of Facilities Management, Institute of Environmental Science, Engineering and Management	Q1 – Q2/2025
Thrust 3: Modern and Comfortable Facilities	Advanced IT infrastructure (Deploying Big Data and IoT applications)	Install smart electronic meters integrated with IoT and establish an online dashboard to monitor real-time rooftop solar energy output and electricity consumption across building blocks.	Smart IoT Energy Monitoring Dashboard operating continuously; Digital database recording clean energy output per hour/day/month in 2025.	Center of System Management, Office of Facilities Management	Q1 – Q4/2025
Thrust 5: Strengthening Sustainable Financial Autonomy	Reasonable investment in education and research (Infrastructure, equipment, and maintenance investment); Energy conservation	Collect and manage energy source documentation: monthly electricity bills from EVN, rooftop solar panel operation log reports, and fuel issue/receipt vouchers for facility operations.	Dossier of electricity payment receipts, power meter reconciliation records, and IUH solar power station operating logs for 2025.	Office of Finance and Accounting, Office of Facilities Management	Q1 – Q4/2025
Thrust 1: Pioneering in Education and Research	Promoting technology transfer & Increasing applied research publications	Conduct periodic Energy Audits: analyzing energy consumption structure, constructing conversion tables to standard Gigajoule (GJ) energy units, and calculating the proportion of low-carbon energy achieved.	University Energy Audit Report 2025; Technical conversion calculation table to GJ units with emission factors.	Institute of Environmental Science, Engineering and Management, Faculty of Heat and Refrigeration Engineering	Q2 & Q4/2025
Thrust 3: Modern and Comfortable Facilities	Building a green campus (Waste conversion/recycling, CO2 reduction; Achieving Green Campus targets)	Consolidate and issue the Low-Carbon Energy Monitoring Report 2025: clearly explaining measurement methodology, 100% spatial coverage of IUH campuses, and clean energy contribution percentage for THE Portal verification.	IUH Low-Carbon Energy Monitoring Summary Report 2025 approved by the Rectors' Board for THE Impact Rankings submission.	Institute of Environmental Science, Engineering and Management, Office of Planning and Investment	Q4/2025

Industrial University of Ho Chi Minh City

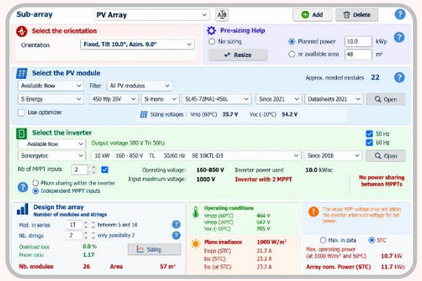
NHÓM 13.2 – Low-carbon energy use

SDG 13 CLIMATE ACTION

13.2.1 Low-carbon energy tracking

Đo lường lượng năng lượng carbon thấp được sử dụng trong toàn Trường.

ACTIVITY EVIDENCE



Article Title 1

IUH's 2025 University-Wide Energy Consumption and Low-Carbon Energy Monitoring Report

Article Link

https://tqa.iuh.edu.vn/sdgs-article-2/5668/

Activity Description

IUH's 2025 consolidated energy report provides a university-wide overview of energy consumption and the proportion of energy derived from low-carbon sources. The data cover the University's campuses, buildings and electricity systems, with energy quantities converted into a common unit of gigajoules (GJ). The report consolidates information from monthly electricity bills and management records, providing a basis for monitoring energy consumption and supporting the University's sustainable development and greenhouse gas emission reduction strategies.



Article Title 2

Solar Electricity Generation Records and Operational Documentation of IUH's Photovoltaic Systems

Article Link

https://tqa.iuh.edu.vn/sdgs-article-2/5668/

Activity Description

IUH records electricity generation from its photovoltaic systems, including a 10 kW system and other rooftop solar installations at campus buildings. Electricity generation data are extracted directly from the monitoring systems, including the Senergy software, and presented through visual monitoring charts on a monthly and annual basis. As a low-carbon energy source that does not require fossil fuel combustion during electricity generation, solar power contributes to increasing the share of renewable energy in IUH's overall energy mix.



Article Title 3

Comparison of Electricity Consumption in 2024–2025 and Assessment of Energy Use at IUH

Article Link

https://tqa.iuh.edu.vn/sdgs-article-2/5668/

Activity Description

IUH's electricity consumption report records total electricity use of 6.1 million kWh in 2024 and 6.5 million kWh in 2025, representing an increase of approximately 6.5%. The increase coincided with the commissioning of a new facility in Ho Chi Minh City. IUH continued to promote energy-efficient operations, supported by rooftop solar electricity generation, which helps supplement electricity supply during periods of high demand, particularly in the second and third quarters. The University also integrates clean energy systems into teaching, research and practical activities related to renewable energy technologies.

Industrial University of Ho Chi Minh City

GROUP 13.2 – Low-carbon energy use

SDG 13 CLIMATE ACTION

13.2.2 Low-carbon energy use

Proportion of energy used from low-carbon sources.

Strategic Direction (Thrust)	KPIs	Activities	Expected Results	Responsible Unit	Timeline
Thrust 3: Modern and Comfortable Facilities	Building a green campus (% reduction in power consumption; Carbon emission reduction)	Develop and issue the 2025 Energy Balance Calculation Methodology adhering to THE standards: standardizing the clean energy proportion formula [% Low-carbon = (Total low-carbon energy / Total university energy consumption) * 100] and unifying conversion to Gigajoules (GJ).	Document approving the measurement and calculation methodology for low-carbon energy consumption indicators for 2025 by the University Environmental Protection Council.	Institute of Environmental Science, Engineering and Management, Office of Planning and Investment, Office of Testing and Quality Assurance	Q1 – Q2/2025
Thrust 3: Modern and Comfortable Facilities	Building a green campus & Infrastructure maintenance and upgrades	Consolidate data for quantitative metric field 13.2.2.1 (Total energy used): tabulating grid electricity purchased (kWh), self-generated rooftop solar electricity consumed, and operational fossil fuels (gasoline, diesel); converting all metrics into GJ.	Consolidated dataset table of total energy used university-wide in 2025 (in GJ) with detailed conversion tables from kWh and fuel liters.	Office of Facilities Management, Office of Planning and Investment	Q1 – Q4/2025
Thrust 3: Modern and Comfortable Facilities	Building a green campus (Participation in green campus project; Clean energy development)	Consolidate data for quantitative metric field 13.2.2.2 (Total energy used from low-carbon sources): extracting actual clean energy output generated from IUH rooftop solar stations in 2025 (excluding all fossil fuels); accurately converting into GJ units.	Quantitative statistical table of actual low-carbon clean energy used in 2025 (in GJ) attached with technical verification records.	Office of Facilities Management, Center of System Management, Institute of Environmental Science, Engineering and Management	Q1 – Q4/2025
Thrust 5: Strengthening Sustainable Financial Autonomy	Risk management & Enhancing quality to meet quality assurance standards and rankings	Conduct independent verification and data consistency checks between metric fields 13.2.2.1 and 13.2.2.2: cross-checking financial payment invoices and electronic power meter logs to ensure 100% data alignment across facilities for FY2025.	Energy consumption data reconciliation minutes for 2025 between Office of Planning and Investment, Office of Finance and Accounting, and Environmental Institute.	Office of Testing and Quality Assurance, Office of Finance and Accounting	Q4/2025
Thrust 3: Modern and Comfortable Facilities	Building a green campus (CO_2 emission reduction - Achieving emission reduction targets)	Finalize the Official Data Sheet for Low-Carbon Energy Proportion in 2025 (including total energy used in GJ, clean energy in GJ, and % low-carbon energy) approved by the Rector for THE Portal submission.	Official Low-carbon Energy Use Report 2025 of IUH serving THE Portal verification.	Office of Planning and Investment, Institute of Environmental Science, Engineering and Management	Q4/2025

Industrial University of Ho Chi Minh City

NHÓM 13.2 – Low-carbon energy use

SDG 13 CLIMATE ACTION

13.2.2

Low-carbon energy use – 47.19%

Đo lường lượng năng lượng carbon thấp được sử dụng trong toàn Trường.

ACTIVITY EVIDENCE

THE 2027 DATA (2025)

Indicator	Value
Total energy used Tổng năng lượng sử dụng	20,679 GJ
Total energy used from low-carbon sources Tổng năng lượng từ nguồn carbon thấp	9,759 GJ

Industrial University of Ho Chi Minh City

GROUP 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.1

Local education programmes on climate

Local education programmes and campaigns on climate change.

Strategic Direction (Thrust)	KPIs	Activities	Expected Results	Responsible Unit	Timeline
Thrust 2: Promoting Community Connection and Service	Expanding community connection activities towards active citizenship (Enhancing awareness of active citizenship, social, and environmental issues)	Formulate and issue the Implementation Plan for Community Climate Education Programmes 2025: designing training courses, public climate adaptation workshops, urban flood response skills, and energy-saving solutions for local residents.	Implementation Plan for Community Climate Education Series 2025; Training curriculum/materials on climate change adaptation and mitigation.	Institute of Environmental Science, Engineering and Management, Youth Union – Student Association, Office of Political Affairs and Student Support	Q1 – Q2/2025
Thrust 2: Promoting Community Connection and Service	Strengthening community service projects (Number of projects; Beneficiaries) & Encouraging student participation	Collaborate with the Department of Education and Training, high schools, and District/Ward People's Committees to organize green extracurricular classes "Climate and Our Future", as well as skill training sessions for extreme weather alerts (heatwaves, high tides).	Dossier of community climate classes organized (cooperative plans, student/resident participant rosters, visual lesson plans, and workshop photos).	Institute of Environmental Science, Engineering and Management, Youth Union – Student Association, Office of Communications and Admissions	Q2 – Q4/2025
Thrust 2: Promoting Community Connection and Service	Diversifying media channels (Number of channels; Content diversity; Engagement count)	Deploy the multi-media campaign "Community Action for Climate": producing short video clips on household electricity savings, infographics on storm and flood safety, and heatstroke prevention handbooks broadcast on social media and ward radio networks.	Multi-channel climate communication media package (infographics, video clips); Public URL section for disaster response handbooks on university website.	Information and Communication Center, Institute of Environmental Science, Engineering and Management	Q2 – Q4/2025
Thrust 1: Pioneering in Education and Research & Thrust 2: Serving Community	Promoting technology transfer & Developing pro-bono advisory and professional services (Free project count)	Dispatch IUH experts and lecturers to participate in local climate change dialogue forums and panel discussions; organize evacuation and urban flood/tornado response drills for neighboring schools and residential communities.	Plan and minutes of local community disaster response drills; Appreciation letters from local government authorities and high school principal boards.	Faculty of Civil Engineering, Institute of Environmental Science, Engineering and Management, University Trade Union	Q3/2025
Thrust 2: Promoting Community Connection and Service	Strengthening community service projects (Community satisfaction rating on IUH community service)	Compile the Summary Report on Community Climate Education Programmes 2025: recording participant counts (students, residents, local businesses), assessing awareness impact, and surveying beneficiary satisfaction levels.	Summary Report 2025 on IUH Community Climate Education Programmes: detailed participant statistics and feedback survey results.	Institute of Environmental Science, Engineering and Management, Office of Political Affairs and Student Support	Q4/2025

Industrial University of Ho Chi Minh City

NHÓM 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.1

Local education programmes on climate

Chương trình giáo dục hoặc chiến dịch tại địa phương về biến đổi khí hậu.

ACTIVITY EVIDENCE

1



Article Title

500 IUH Student Volunteers Make a Lasting Impact Through the 2025 Green Summer Campaign

Article Link

https://iuh.edu.vn/vi/sinh-vien-tinh-nguyen/500-chien-si-tinh-nguyen-iuh-de-lai-nhieu-dau-an-trong-chien-dich-mua-he-xanh-2025-1999.html

Activity Description

The 2025 Green Summer Campaign organised by Industrial University of Ho Chi Minh City (IUH) attracted more than 500 student volunteers who participated in practical environmental and community activities. The campaign focused on environmental protection, climate change adaptation and local community engagement. Activities included tree planting, drainage clearance, environmental clean-ups and addressing pollution hotspots, while raising awareness of sustainable lifestyles and encouraging environmental responsibility among local communities.

2



Article Title

IUH Youth Collaborate with Go Vap District in the Green Sunday Programme

Article Link

https://youth.iuh.edu.vn/tuoi-tre-iuh-phoi-hop-cung-quan-go-vap-tham-gia-chuong-trinh-chu-nhat-xanh/

Activity Description

The IUH Youth Union collaborated with the Go Vap Youth Union to organise the Green Sunday Programme, involving Youth Union members, students and local youth volunteers. Activities included cleaning streets, collecting litter, removing unauthorised advertisements, planting and maintaining trees, and raising awareness of waste segregation at source. The programme contributed to improving environmental cleanliness and urban landscapes while encouraging community participation in waste management, environmental protection and environmentally responsible daily practices.

3



Article Title

IUH Youth Promote Green Living Through the 2026 Used Battery Collection Programme

Article Link

https://youth.iuh.edu.vn/tuoi-tre-iuh-chung-tay-lan-toa-thong-diep-song-xanh-qua-chuong-trinh-thu-hoi-pin-cu-nam-2026/

Activity Description

In 2026, IUH Youth participated in a used battery collection programme to raise awareness of the environmental hazards associated with improper battery disposal. The initiative encouraged students and local community members to segregate and collect used batteries instead of disposing of them with household waste. The programme promoted responsible waste management, helped raise awareness of soil and water pollution risks, and encouraged environmentally responsible waste disposal practices within the university community.

Industrial University of Ho Chi Minh City

GROUP 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.2

Climate Action Plan, shared

University Climate Action Plan shared with local government and/or community.

Strategic Direction (Thrust)	KPIs	Activities	Expected Results	Responsible Unit	Timeline
Thrust 3: Modern and Comfortable Facilities	Building a green campus (Reduce carbon footprint: Carbon emission measurement; Waste conversion/recycling CO2 emission; Participation in green campus project)	Formulate and issue the IUH Climate Action Plan 2025–2030, Vision 2045: establishing a comprehensive strategic framework including GHG emission baseline inventory, carbon reduction roadmap, disaster risk adaptation solutions, and monitoring mechanisms.	Decision officially issuing the IUH Climate Action Plan 2025–2030, setting quantitative emission reduction targets through 2030.	Institute of Environmental Science, Engineering and Management, Office of Planning and Investment	Q1 – Q2/2025
Thrust 2: Promoting Community Connection and Service	Strengthening community service projects & Expanding external partner associations and communities (Number of links; Participating staff count)	Officially share the IUH Climate Action Plan with state management authorities: sending official dispatches with the full plan to HCMC Department of Natural Resources and Environment (DONRE) and Go Vap District People's Committee; participating in local climate policy consultation sessions.	Official dispatch submitting the Climate Action Plan to DONRE and District People's Committee; Minutes of climate policy consultation meetings with local authorities.	Office of Human Resources and Administration, Institute of Environmental Science, Engineering and Management	Q2 – Q3/2025
Thrust 2: Promoting Community Connection and Service	Expanding community connection activities (Number of events raising social, humanistic, and environmental awareness)	Organize Community Climate Plan Sharing Workshops: inviting representatives from neighboring residential blocks, civil organizations, business associations, and partner universities to dialogue on collaborative carbon footprint reduction and climate response.	Organizational dossier for the Climate Plan Sharing Workshop (plan, participant list of local/business delegates, feedback minutes, and event photos).	Institute of Environmental Science, Engineering and Management, Office of Science Management and International Affairs	Q2 – Q3/2025

Industrial University of Ho Chi Minh City

NHÓM 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.2

Climate Action Plan, shared

Kế hoạch hành động khí hậu của Trường được chia sẻ với chính quyền và/hoặc cộng đồng địa phương.

ACTIVITY EVIDENCE

1



Article Title

IUH Youth Union Recognises Grassroots-Level Youth Projects and Outstanding University-Level Youth Initiatives

Article Link

https://youth.iuh.edu.vn/doan-truong-dai-hoc-cong-nghiep-thanh-pho-ho-chi-minh-da-to-chuc-cong-nhan-cong-trinh-thanh-nien-cap-co-so-va-cong-trinh-thanh-nien-tieu-bieu-cap-truong/

Activity Description

Industrial University of Ho Chi Minh City (IUH) is developing and implementing strategic action plans to identify current emission levels, assess climate risks in urban areas and carry out practical youth initiatives. The plan sets out specific emission reduction targets, a detailed implementation roadmap and responsibilities for each unit, with the aim of promoting green lifestyles, clean energy use and climate change adaptation.

2



Article Title

IUH Youth Collaborate with Go Vap District in the Green Sunday Programme

Article Link

https://youth.iuh.edu.vn/tuoi-tre-iuh-phoi-hop-cung-quan-go-vap-tham-gia-chuong-trinh-chu-nhat-xanh/

Activity Description

IUH maintains close cooperation with local government authorities, including the People's Committee and relevant departments of Go Vap District. The University regularly exchanges official correspondence, participates in meetings and workshops, and signs cooperation agreements to implement environmental action programmes, address urban flooding hotspots and waste-related issues, and contribute to the implementation of climate action plans in the local area.

3



Article Title

IUH Youth Promote Green Living Through the 2026 Used Battery Collection Programme

Article Link

https://youth.iuh.edu.vn/tuoi-tre-iuh-chung-tay-lan-toa-thong-diep-song-x xanh-qua-chuong-trinh-thu-hoi-pin-cu-nam-2026

Activity Description

IUH communicates information related to its climate action plans through the University's communication channels and community engagement activities. Workshops and practical initiatives, including used battery collection and student-led waste collection programmes, involve students, local schools and businesses. Implementation progress is periodically assessed and summarised in reports to support improvements in achieving the University's proposed 2025 climate objectives.

Industrial University of Ho Chi Minh City

GROUP 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.3 Co-operative planning for climate change disasters

Co-operative planning for climate change disasters with government authorities.

Strategic Direction (Thrust)	KPIs	Activities	Expected Results	Responsible Unit	Timeline
Thrust 2: Promoting Community Connection and Service	Strengthening community service projects & Expanding external partner associations and communities	Sign Memorandum of Understanding (MOU)/Inter-agency Cooperation Regulations between IUH and the Steering Committee for Natural Disaster Prevention and Search & Rescue (NDPSR), DONRE, and District/Provincial People's Committees to construct extreme weather disaster response plans and high-risk population relocation scenarios.	Cooperative agreement / Inter-agency disaster prevention regulations signed between IUH and competent state authorities.	Office of Human Resources and Administration	Q1 – Q3/2025
Thrust 1: Pioneering in Education and Research & Thrust 2: Serving Community	Promoting technology transfer & Developing pro-bono advisory and professional services	Provide research reports on flood and landslide risk assessment and tidal surge prediction models directly to state management agencies for integrating into local Natural Disaster Prevention Master Plans and residential livelihood protection schemes.	Climate disaster risk assessment report and risk zoning maps developed by IUH experts, approved and adopted by state management agencies.	Institute of Environmental Science, Engineering and Management, Office of Facilities Management	Q2 – Q4/2025
Thrust 2: Promoting Community Connection and Service	Strengthening community connection activities & Encouraging student volunteer campaign participation	Coordinate with local authorities to conduct field drills for emergency population evacuation, rescue operations, and activating procedures to transform university campus/dormitories into safe storm/flood shelters for vulnerable communities.	Plan and minutes of the 2025 joint climate disaster response drill; Facility arrangement scheme designating IUH campus as a safe evacuation shelter.	Office of Facilities Management, Office of Dormitory Management and Services, Office of Services, Youth Union – Student Association	Q2 – Q4/2025
Thrust 1: Pioneering in Education and Research	Enforcing research collaboration support policies & Collaborating with organizations and government	Participate in expert working groups and appraisal councils for climate disaster adaptation plans, and organize technical consultation workshops for local and regional disaster risk management officers.	Decision assigning IUH experts to government disaster plan drafting teams; Proceedings of technical consultation workshops on disaster planning.	Institute of Environmental Science, Engineering and Management	Q3/2025
Thrust 2: Promoting Community Connection and Service	Diversifying media channels & Evaluating community satisfaction rate	Summarize and publicize joint climate disaster response activities on the university website; compile an Evaluation Report on 2025 Government Joint Disaster Planning for THE Portal verification.	Public URL link for joint disaster response media coverage; Summary Report 2025 on IUH's role in government disaster planning.	Information and Communication Center, Office of Human Resources and Administration	Q4/2025

Industrial University of Ho Chi Minh City

NHÓM 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.3 Co-operative planning for climate change disasters

Phối hợp lập kế hoạch ứng phó thảm họa do biến đổi khí hậu với cơ quan nhà nước.

ACTIVITY EVIDENCE



Article Title 1

IUH Develops a Coordinated Fire Prevention, Firefighting and Rescue Training Plan for 2025

Article Link

https://ctsv.iuh.edu.vn/upload/files/nam%202025-2026/K%E1%BA%BF%20ho%E1%BA%A1ch%20th%E1%BB%B1c%20hi%E1%BB%87n%20nam%20h%E1%BB%8Dc%202025_2026%20d%E1%BB%91i%20v%E1%BB%9Bi%20cong%20tac%20sinh%20vien.pdf

Activity Description

In 2025, Industrial University of Ho Chi Minh City (IUH) issued Plan No. 33/KH-ĐHCN dated 21 May 2025 on organising professional training in fire prevention, firefighting, rescue and emergency response. Under the plan, IUH coordinated with the local Fire Prevention, Firefighting and Rescue Police to provide theoretical and practical training for university staff, employees and students, with approximately 300 participants expected to attend on 23 August 2025. The training covered fire prevention, the use of firefighting equipment, emergency response procedures and rescue skills. IUH's student activities plan for the 2025–2026 academic year also identifies cooperation with the Fire Prevention and Firefighting Police in communication, training and emergency response exercises.



Article Title 2

Large-Scale Fire and Explosion Emergency Response Drill at Industrial University of Ho Chi Minh City

Article Link

https://iuh.edu.vn/vi/thong-bao/vi/thong-bao/vi/tin-tuc/vi/tin-tuc/vi/tin-tuc/dien-tap-quy-mo-lon-ung-pho-chay-no-tai-truong-dai-hoc-cong-nghiep-tphcm-2227.html

Activity Description

On 25 July 2026, Industrial University of Ho Chi Minh City (IUH) collaborated with the Fire Prevention, Firefighting and Rescue Police Division (PC07) of the Ho Chi Minh City Police and other relevant agencies to organise a large-scale firefighting, rescue and emergency response drill. According to the published information, the University and the participating agencies jointly developed the response scenario and organised training, rehearsals and a full-scale exercise. The drill simulated a fire involving a multi-storey building and a five-storey building, mobilising professional firefighting and rescue forces alongside relevant units to practise fire suppression, evacuation, rescue and emergency response. The exercise contributed to testing command arrangements, task allocation and coordination between IUH and public emergency response agencies.

Industrial University of Ho Chi Minh City

GROUP 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.4 Inform and support government

Informing and supporting government in early warning and climate risk/disaster monitoring.

Action plan

Strategic Direction (Thrust)	KPIs	Activities	Expected Results	Responsible Unit	Timeline
Thrust 1: Pioneering in Education and Research	Promoting technology transfer & Increasing applied research publications	Sign agreements to provide climate observation data and transfer flood, saltwater intrusion, and extreme heatwave forecasting models between IUH, the Environmental Protection Agency / DONRE, and Regional Hydro-Meteorological Stations.	Agreement on climate observation data transfer to government agencies; Official dispatch from authorities acknowledging receipt and utilization of data.	Office of Facilities Management, Institute of Environmental Science, Engineering and Management	Q1 – Q3/2025
Thrust 3: Modern and Comfortable Facilities	Advanced IT infrastructure (Deploying Big Data and IoTs)	Develop and operate an IoT sensor platform integrated with WebGIS for early flood and air quality warnings: transmitting real-time measurement data streams to local Smart City Operations Centers (IOC).	Continuous operation of WebGIS/IoT early warning platform; API data-sharing account credentials issued to urban management authorities.	Center of System Management, Institute of Environmental Science, Engineering and Management, Faculty of Information Technology	Q1 – Q4/2025
Thrust 1: Pioneering in Education and Research	Increasing publication quality in domestic and international journals & Technology transfer	Publish periodic bulletins and special topic reports analyzing extreme weather trends, tidal surge risks, and drought warnings submitted to DONRE and District/Ward People's Committees to support preventive governance decisions.	Set of 2025 Climate Observation and Warning Bulletins with official government receipt stamps; Special topic analytical reports for executive decision-making.	Institute of Environmental Science, Engineering and Management	Q1 – Q4/2025
Thrust 2: Promoting Community Connection and Service	Developing pro-bono advisory and professional services (Recipient satisfaction rate)	Organize technical training courses transferring skills in early warning tools operation and GIS risk mapping applications to grass-roots land and environment officers.	Plan and dossier for disaster risk monitoring training classes; List of local government officers completing the professional training course.	Institute of Environmental Science, Engineering and Management	Q2 – Q4/2025
Thrust 2: Promoting Community Connection and Service	Diversifying media channels & Expanding community connections	Publish community climate observation data on the university portal; compile a Summary Report 2025 demonstrating that IUH technical data and recommendations were adopted by government authorities for early warning systems.	Public URL link for online climate observation data portal; Summary Report 2025 on technical climate support provided to government.	Information and Communication Center, Institute of Environmental Science, Engineering and Management	Q4/2025

Industrial University of Ho Chi Minh City

NHÓM 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.4

Inform and support government

Thông tin và hỗ trợ chính quyền trong cảnh báo sớm và giám sát rủi ro/thảm họa khí hậu.

ACTIVITY EVIDENCE



1

Article Title

IUH Provides Emergency Assistance to Flood-Affected Communities in Central Vietnam

Article Link

https://iuh.edu.vn/vi/tin-tuc/iuh-quyen-gop-hon-43-ty-dong-ho-tro-khan-cap-cho-ba-con-mien-trung-2086.html

Activity Description

On 24 November 2025, Industrial University of Ho Chi Minh City (IUH) presented VND 4.328 billion in donations through Tuoi Tre newspaper to support communities in Central Vietnam severely affected by flooding. The funds were raised through contributions from university staff, employees and fundraising activities across the University. IUH also introduced support measures for students whose families were affected by natural disasters, including consideration of tuition payment extensions and tuition fee reductions or exemptions for students facing particularly difficult circumstances. These activities demonstrate the University's participation in community relief and post-disaster recovery efforts in 2025.



2

Article Title

IUH Provides Emergency Educational Supplies and Clothing to Flood-Affected Communities in Dak Lak

Article Link

https://iuh.edu.vn/vi/tin-tuc/iuh-ho-tro-khan-cap-trang-thiet-bi-va-quan-ao-hoc-sinh-cho-vung-lu-ngap-nang-2098.html

Activity Description

In December 2025, Industrial University of Ho Chi Minh City (IUH) organised the transportation of educational equipment and clothing to Dong Khoi Secondary School in Hoa Thinh Commune, Dak Lak Province, to help restore teaching and learning conditions following severe flooding. The University provided 100 sets of student desks and chairs, 12 sets of teachers' desks and chairs, and 300 sets of school uniforms. Youth Union members, lecturers, students and representatives of partner organisations participated in the initiative. Upon arrival, the participating teams assisted with unloading and arranging the furniture and preparing classrooms for students to resume their studies. The activity formed part of IUH's post-disaster recovery support efforts in 2025.

Industrial University of Ho Chi Minh City

GROUP 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.5

Environmental education collaborate with NGOs

Collaborating with NGOs on climate change adaptation education.

Action plan

Strategic Direction (Thrust)	KPIs	Activities	Expected Results	Responsible Unit	Timeline
Thrust 2: Promoting Community Connection and Service	Strengthening community service projects & Expanding external partner associations and communities	Sign Memorandum of Understanding (MOU) / Project Grant Contracts between IUH and non-governmental organizations (international and domestic NGOs/NPOs such as WWF, IUCN, Live & Learn, CHANGE...) to execute joint environmental education and climate adaptation projects.	MOU agreements attached with legal verification documents confirming NGO entity status in accordance with THE guidelines.	Office of Science Management and International Affairs, Institute of Environmental Science, Engineering and Management	Q1 – Q3/2025
Thrust 1: Pioneering in Education and Research	Promoting Project-Based Learning (PBL) focused on community problems & Technology transfer	Collaborate with NGOs to implement Community-based and Ecosystem-based Adaptation (EbA) projects: sustainable water management, urban circular agriculture, wave-breaking mangrove planting, and enhancing disaster resilience for vulnerable groups.	Progress and acceptance report for 2025 NGO climate adaptation projects; Catalog of field-implemented ecological adaptation models.	Institute of Environmental Science, Engineering and Management, Project Research Groups	Q1 – Q4/2025
Thrust 2: Promoting Community Connection and Service	Expanding community connection activities towards active citizenship (Number of awareness courses/events)	Co-organize thematic workshops, capacity building training courses, and "Youth for Climate" youth camps between IUH and NGOs for university students, local youth, and school teachers.	Organizational dossier for joint NGO workshops/camps; Climate adaptation training curriculum; Roster of certified trainees.	Youth Union – Student Association, Institute of Environmental Science, Engineering and Management	Q2 – Q4/2025
Thrust 2: Promoting Community Connection and Service	Encouraging student community service participation (Campaign count; Participating student count; Community satisfaction rating)	Deploy field community communication campaigns: mobile media roadshows, green innovation festivals for drought/salinity adaptation in vulnerable rural and coastal communities.	Field campaign dossier executed with NGOs (plan, media collateral, beneficiary household roster, photo reports).	Youth Union – Student Association, Office of Political Affairs and Student Support	Q2 – Q4/2025
Thrust 2: Promoting Community Connection and Service	Diversifying media channels & Evaluating community satisfaction rate	Publish collaborative outcomes and news articles on IUH communication channels; compile a Summary Report 2025 on NGO climate adaptation partnerships (highlighting beneficiary count and impact evaluation).	Public URL link for international collaboration section; Summary Report 2025 on IUH-NGO Climate Adaptation Partnership.	Information and Communication Center, Institute of Environmental Science, Engineering and Management	Q4/2025

Industrial University of Ho Chi Minh City

NHÓM 13.3 – Environmental education measures

SDG 13 CLIMATE ACTION

13.3.5 Environmental education collaborate with NGOs

Hợp tác với tổ chức phi chính phủ trong thích ứng với biến đổi khí hậu.

ACTIVITY EVIDENCE

1



Article Title

Turning Organic Waste into a Valuable Resource for Households

Article Link

Biến rác thải hữu cơ thành nguồn tài nguyên hữu ích cho gia đình - HANE

Activity Description

On 3 June 2026, the Institute of Environmental Science, Technology and Management at Industrial University of Ho Chi Minh City (IUH), in collaboration with the Ho Chi Minh City Association for Conservation of Nature and Environment (HANE) and the Women's Union of Thoi An Ward, organised a training programme for 60 participants. The programme combined theoretical instruction with practical activities on waste segregation, organic waste composting and growing vegetables. It aimed to strengthen participants' practical environmental management skills and promote the sustainable use of resources within the local community.

2



Article Title

Completion of the Organic Composting Training Programme and Launch of the Thoi An Green Women's Club

Article Link

Bế giảng lớp tập huấn ủ phân hữu cơ compost, ra mắt Câu lạc bộ Phụ nữ Xanh Thới An - HANE

Activity Description

On 1 August 2026, the training programme jointly organised by IUH, HANE and the Thoi An Ward Women's Union concluded with 57 participants completing the programme and receiving certificates, while five groups received awards. The programme also marked the launch of the Thoi An Green Women's Club with 28 members, establishing a network to continue raising awareness and sharing practical skills in waste segregation, organic waste composting and sustainable environmental practices within the local community.

3



Article Title

Promoting Green Living Through Everyday Practices: Composting and Vegetable Growing in Bay Hien Ward

Article Link

https://www.hane.vn/lan-toa-loi-song-xanh-tu-nhung-viec-nho-huong-dan-u-compost-trong-rau-sach-tai-phuong-bay-hien

Activity Description

On 30 September 2026, the Institute of Environmental Science, Technology and Management at IUH, in collaboration with HANE and the Bay Hien Ward Women's Union, launched a training programme on waste segregation, organic waste composting and vegetable growing. The opening session was attended by 60 participants. Associate Professor Dr Le Hung Anh directly instructed participants on household organic waste treatment, promoting circular economy practices and encouraging environmentally sustainable behaviour within the local community.

Industrial University of Ho Chi Minh City

GROUP 13.4 – Commitment to carbon neutral university

SDG 13 CLIMATE ACTION

13.4.1 Commitment to carbon neutral university

Commitment and scope of carbon neutrality targets at IUH.

Strategic Direction (Thrust)	KPIs	Activities	Expected Results	Responsible Unit	Timeline
Thrust 3: Modern and Comfortable Facilities	Building a green campus (Reduce carbon footprint; Waste conversion/recycling CO2 emission; Healthy environment)	Issue the Official Resolution/Declaration of the Board of Rectors on Net Zero / Carbon Neutrality Targets of IUH: defining the net zero target year (by 2045/2050) and specifying GHG emissions scope coverage per GHG Protocol standards (Scope 1, Scope 2, and partial Scope 3).	Official Resolution/Statement from IUH Rectors' Board committing to become a Carbon Neutral University (IUH Carbon Neutral Commitment) effective in 2025.	Office of Human Resources and Administration, Institute of Environmental Science, Engineering and Management	Q1 – Q2/2025
Thrust 3: Modern and Comfortable Facilities	Building a green campus (Carbon footprint measurement - Carbon Trust methodology)	Conduct a comprehensive Greenhouse Gas Inventory (GHG Inventory) for 2025 following ISO 14064 / GHG Protocol standards as a baseline: calculating direct emissions (Scope 1), purchased electricity emissions (Scope 2), and key indirect emissions (Scope 3: commuting, water, waste, procurement).	IUH GHG Inventory & Carbon Footprint Report 2025 with technical verification certification.	Institute of Environmental Science, Engineering and Management, Office of Planning and Investment	Q1 – Q4/2025
Thrust 3: Modern and Comfortable Facilities	Building a green campus (Increasing green index and canopy; Reducing energy consumption) Upgrading infrastructure	Develop and execute the Staged Carbon Reduction Roadmap (2025–2030–2040): integrating green building standards, expanding solar PV stations, promoting green mobility, and planting trees to increase campus carbon sink coverage.	Energy Transition and Carbon Reduction Roadmap Scheme 2025–2030; Acceptance records for energy-saving works and added green canopy area.	Office of Planning and Investment, Office of Facilities Management, Institute of Environmental Science, Engineering and Management	Q2 – Q4/2025
Thrust 2: Promoting Community Connection and Service	Active citizenship awareness education & Diversifying public communication	Publicly publish the Net Zero Commitment and Carbon Neutrality Roadmap on the IUH web portal; organize the "IUH Towards Net Zero" media campaign and launch individual green pledges among all staff and students.	Public URL link for the IUH Net Zero commitment section; Newsletter issuing carbon neutrality message; Roster of staff and students signing green living pledges.	Information and Communication Center, University Trade Union, Youth Union – Student Association	Q2 – Q3/2025
Thrust 2: Promoting Community Connection and Service	Financial and other risk management plans & Carbon emission monitoring	Establish mechanisms to monitor and periodically update GHG inventory data; compile an Annual Progress Report reviewing 2025 carbon reduction targets for THE Portal verification.	Progress Report 2025 on IUH Carbon Neutrality Targets; Review minutes from the Sustainable Development Board with KPI comparison tables.	Institute of Environmental Science, Engineering and Management	Q4/2025

Industrial University of Ho Chi Minh City

NHÓM 13.4 – Commitment to carbon neutral university

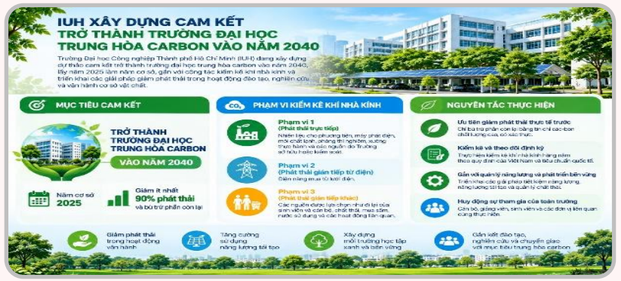
SDG 13 CLIMATE ACTION

13.4.1

Commitment to carbon neutral university

Cam kết và phạm vi mục tiêu trung hòa carbon của IUH.

ACTIVITY EVIDENCE



Article Title 1

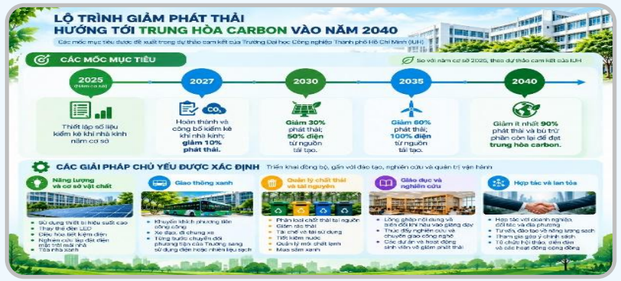
Developing a Carbon Neutrality Commitment for 2040

Article Link

https://tqa.iuh.edu.vn/sdgs-article-2/iuh-xay-dung-lo-trinh-huong-toi-muc-tieu-trung-hoa-carbon-vao-nam-2040/

Activity Description

Industrial University of Ho Chi Minh City (IUH) is developing a draft commitment to become a carbon-neutral university by 2040. The draft proposes using 2025 as the baseline year for monitoring greenhouse gas emission reductions and identifies three emission accounting scopes: direct emissions (Scope 1), indirect emissions from purchased electricity (Scope 2), and other indirect emissions (Scope 3), which will be progressively accounted for, including those associated with travel and waste. The proposed 2040 target involves reducing greenhouse gas emissions by at least 90% and considering offsets for the remaining emissions. The draft commitment is being refined to clarify its scope, accounting methodology and implementation arrangements before submission for approval.



Article Title 2

Emission Reduction Roadmap and Monitoring Framework Towards 2040

Article Link

https://tqa.iuh.edu.vn/sdgs-article-2/iuh-xay-dung-lo-trinh-huong-toi-muc-tieu-trung-hoa-carbon-vao-nam-2040/

Activity Description

IUH's draft carbon neutrality commitment proposes a phased greenhouse gas emission reduction roadmap, with targets of 10% by 2027, 30% by 2030, 60% by 2035 and at least 90% by 2040, relative to the proposed 2025 baseline. The draft also sets targets for renewable electricity to account for 50% of electricity use by 2030 and 100% by 2035. Proposed measures include improving energy efficiency, installing rooftop solar systems, promoting low-emission transport, managing waste and adopting green procurement practices. The draft further proposes annual greenhouse gas inventories, reporting to the University Board of Management and independent verification every three years as a basis for monitoring progress and reviewing the roadmap.

Industrial University of Ho Chi Minh City

NHÓM 13.4 – commitment to carbon neutral university

SDG 13 CLIMATE ACTION

13.4.2 Achieve by date

Target year by which IUH plans to achieve or has achieved carbon neutrality.

Strategic Direction (Thrust)	KPIs	Activities	Expected Results	Responsible Unit	Timeline
Thrust 3: Modern and Comfortable Facilities	Building a green campus (Reduce carbon footprint: Carbon emission measurement; Participation in green campus project)	Formulate and issue the Resolution approving the Carbon Neutrality Roadmap with a specific target year (setting the target year at 2038 - falling within the optimal 2030–2039 bracket per THE scoring criteria): committing to cover at least direct emissions (Scope 1) and purchased energy emissions (Scope 2), alongside a Scope 3 expansion roadmap.	Resolution/Decision of University Council and Board of Rectors officially announcing the Net Zero Target Year (IUH Net Zero Target Date: 2038) covering Scope 1 + Scope 2 + Scope 3.	Office of Human Resources and Administration, Institute of Environmental Science, Engineering and Management	Q1 – Q2/2025
Thrust 1: Pioneering in Education and Research	Increasing publication quantity and quality & Promoting technology transfer	Conduct research modeling Greenhouse Gas emission projections (GHG Projections) based on the inventory baseline: constructing Business-As-Usual (BAU) and aggressive mitigation (Net Zero pathway) scenarios to establish scientific feasibility for the 2038 target year.	Technical scenario analysis report establishing scientific basis for IUH's 2038 Net Zero roadmap; Dataset of growth assumptions and emission reduction factors.	Institute of Environmental Science, Engineering and Management	Q1 – Q3/2025
Thrust 3: Modern and Comfortable Facilities	Building a green campus (% reduction in power consumption; % reduction in water consumption) & Upgrading infrastructure	Establish and decompose interim carbon reduction KPI targets by phase (15% reduction by 2025, 40% by 2030, 75% by 2035, and achieving carbon neutrality in 2038); integrating renewable energy transition and energy efficiency plans.	Interim Carbon Reduction KPI Table (2025–2038) issued; Emission reduction task allocation plan across departments and campuses.	Institute of Environmental Science, Engineering and Management, Office of Planning and Investment	Q2 – Q4/2025
Thrust 5: Strengthening Sustainable Financial Autonomy	Reasonable investment in education and research (Infrastructure, equipment, and maintenance investment) & Risk management	Formulate annual green investment budget allocation plans supporting Net Zero goals: funding rooftop solar expansion, high-efficiency equipment replacement, internal electric vehicles, and carbon offset funds for residual emissions.	Green Financial Plan 2025–2030 supporting Net Zero roadmap; Budget estimates and disbursement files for green energy investment items.	Office of Finance and Accounting, Office of Planning and Investment	Q2 – Q4/2025
Thrust 3: Modern and Comfortable Facilities & Thrust 2: Promoting Community Connection and Service	Building a green campus (Evaluation of green campus KPI completion) & Diversifying public communication	Review and compile the Annual Progress Monitoring Report on the 2025 Carbon Neutrality Roadmap: comparing actual Scope 1 and Scope 2 emission reductions against interim targets and publishing transparently on the university portal.	Monitoring Report 2025 on Progress Towards IUH Carbon Neutrality; Public URL link of the official 2038 target year commitment document on IUH portal for THE Portal reporting.	Institute of Environmental Science, Engineering and Management, Information and Communication Center	Q4/2025

Industrial University of Ho Chi Minh City

NHÓM 13.4 – commitment to carbon neutral university

SDG 13 CLIMATE ACTION

13.4.2 Achieve by date

Năm IUH dự kiến đạt hoặc đã đạt trung hòa carbon.

ACTIVITY EVIDENCE



Article Title

Commitment to Achieving Carbon Neutrality by 2040

Article Link

https://tqa.iuh.edu.vn/sdgs-article-2/iuh-xay-dung-lo-trinh-huong-toi-muc-tieu-trung-hoa-carbon-vao-nam-2040/

Activity Description

Industrial University of Ho Chi Minh City (IUH) has identified 2040 as its target year for achieving carbon neutrality across all its campuses, with 2025 as the baseline year. The commitment covers greenhouse gas emissions under Scope 1 (direct emissions) and Scope 2 (indirect emissions from purchased electricity), while progressively accounting for and reducing Scope 3 emissions. The roadmap sets emission reduction milestones of 10% by 2027, 30% by 2030, 60% by 2035 and at least 90% by 2040, relative to the baseline year. IUH prioritises actual emission reductions through improved energy efficiency, increased use of renewable energy, low-emission transport and operational measures. Remaining emissions are to be offset using verified carbon credits to achieve carbon neutrality by 2040.

Industrial University of Ho Chi Minh City

IMPLEMENTATION RESULTS

OPERATIONAL EXECUTION IN VERIFIED DATA YEAR 2024–2025

Comprehensive Audit of Implemented Actions Across All Evaluation Indicators of SDG 13

SDG 13 CLIMATE ACTION

1. LOW-CARBON ENERGY METRICS (13.2.1–2)

Low-Carbon Energy Tracking & Auditing (13.2.1):

- Published the 2025 University-Wide Energy Consumption & Monitoring Report: converted all energy consumption into Gigajoules (GJ).
- Monitored the 10 kWp rooftop solar PV station and campus arrays via Senergy software, capturing real-time generation profiles.
- Grid electricity consumption audited: 6.1M kWh (2024) to 6.5M kWh (2025), reflecting infrastructure expansion in HCMC.

Proportion of Low-Carbon Energy Used (13.2.2):

- Total Energy Consumption in 2025 (Metric 13.2.2.1): 20,679 GJ across all operational campuses.
- Low-Carbon Energy Consumption (Metric 13.2.2.2): 9,759 GJ from low-carbon sources (47.19% of total energy used).
- Integrated operational renewable energy facilities into hands-on student engineering training and green transition research.

2. CLIMATE EDUCATION & DISASTER RELIEF (13.3.1–5)

Climate Education & Shared Action Plan (13.3.1 & 13.3.2):

- 2025 Green Summer Campaign mobilized > 500 student volunteers for drainage clearance, tree planting, and urban cleanup.
- Partnered with Go Vap Youth Union in 'Green Sunday' drives and toxic battery collection campaigns preventing heavy metal runoff.
- Formally shared the IUH Climate Action Plan with HCMC DONRE and Go Vap District People's Committee.

Government Co-Planning & Disaster Relief (13.3.3 & 13.3.4):

- Enacted Plan No. 33/KH-DHCN and executed joint emergency drills with PC07 Fire & Rescue Police involving 300 trainees.
- Donated VND 4.328B via Tuoi Tre newspaper for flood relief in Central Vietnam; shipped 100+ school desks and uniforms to Dak Lak.

NGO Partnerships in Climate Adaptation (13.3.5):

- Collaborated with HANE in certified community composting workshops and urban circular agriculture clubs across Thoi An and Bay Hien.

3. NET ZERO COMMITMENT & ROADMAP (13.4.1–2)

Carbon Neutral Commitment & Emissions Scope (13.4.1):

- Drafted and publicly disclosed the institutional Carbon Neutrality Commitment on the university portal tqa.iuh.edu.vn.
- Designated 2025 as the official baseline inventory year for monitoring greenhouse gas (GHG) mitigation performance.
- Comprehensive boundary coverage: Direct emissions (Scope 1), purchased electricity (Scope 2), and progressive Scope 3 integration.

Target Year & Phased Reduction Milestones (13.4.2):

- Established 2040 as the Net Zero target date (with strategic modeling targeting 2038 to align with THE's optimal scoring band).
- Phased GHG mitigation targets: 10% reduction (2027), 30% (2030), 60% (2035), and >= 90% gross reduction by 2040.
- Mandated renewable electricity targets: 50% by 2030 and 100% clean power by 2035, balancing residual emissions with verified credits.

Industrial University of Ho Chi Minh City

PERFORMANCE BENCHMARKING

Benchmarking Results Against THE Impact Ratings 2026 (Previous Cycle vs. Current Audit Cycle)

SDG 13
CLIMATE ACTION

Indicator Category	Previous Cycle (THE 2026)	Current Audit (THE 2027)	Strategic Evolution & Outlook
Metric 13.2 Low-Carbon Energy Use (27% Weight)	Solar generation data remained fragmented; lacked standardized conversion to Gigajoules (GJ) and verified net energy balance ledgers.	THE 2027 workbook: total energy 20,679 GJ; low-carbon energy 9,759 GJ (47.19%). Source composition and records require reconciliation.	**Audited Metric Alignment: Standardized 100% of institutional energy into GJ units, reconciling financial invoices with PV generation logs.**
Category 13.3 Environmental Education (23% Weight)	Environmental actions were ad-hoc volunteer drives; lacked formal local government plan-sharing and structured NGO training contracts.	Verified multi-faceted evidence: 500 Green Summer volunteers; Plan 33 joint fire/rescue drills; VND 4.328B disaster relief; HANE circular agro training.	**Multi-Stakeholder Impact: Strengthened regional partnerships bridging local municipal bodies (DONRE, Go Vap) and accredited environmental NGOs.**
Category 13.4 Carbon Neutral Commitment (23% Weight)	Emissions reductions were embedded generically in broad 5-year plans; lacked an explicit standalone Net Zero pledge with a fixed target year.	Formulated institutional Net Zero Commitment on tqa.iuh.edu.vn: 2025 baseline year; 2040 target date (targeting 2038) covering Scopes 1, 2, and 3.	**Target Year Codification: Institutionalized university-wide Net Zero pledge, directly targeting THE's highest scoring tier (2030–2039 bracket).**
Metric 13.1 Research & Scopus Publications (27% Weight)	Scholarly publications addressing urban climate resilience, carbon capture, and clean energy transition had modest international visibility.	Expanded interdisciplinary Scopus Q1/Q2 papers in solar PV optimization, CO2 sequestration materials, and WebGIS urban flood forecasting.	**Academic & Citation Growth: Significant uplift in Field-Weighted Citation Impact (FWCI) and international co-authored climate research.**

Industrial University of Ho Chi Minh City

STRATEGIC PLAN FOR THE COMING YEAR

Four High-Impact Action Pillars to Position SDG 13 as a Premier Scoring Asset for IUH's Global Rank

SDG 13
CLIMATE ACTION

1. FORMALIZING THE 2038 NET ZERO CHARTER

- Promulgate the official Rector's Resolution establishing 2038 as IUH's verified Net Zero target date (securing THE's top scoring tier 2030–2039).
- Codify mandatory unit-level carbon allowances and establish interim mitigation targets: 30% reduction by 2030 and 60% by 2035.
- Form the University Climate Action & Energy Transition Steering Committee chaired directly by Executive Leadership.
- Publicly disclose the signed Net Zero Charter and governance framework on the dedicated portal tqa.iuh.edu.vn.

2. IOT SMART ENERGY METROLOGY & ISO 14064 GHG AUDITING

- Deploy campus-wide IoT-enabled electronic meters and an online public Dashboard monitoring real-time solar generation profiles.
- Conduct comprehensive annual greenhouse gas (GHG) inventories adhering to ISO 14064, expanding to progressive Scope 3 integration.
- Standardize all energy reporting into Gigajoules (GJ), archiving 100% of EVN utility invoices and PV generation logs.
- Conduct independent multi-departmental data reconciliation between Facilities, Environmental Institute, and Quality Assurance.

3. ROOFTOP SOLAR EXPANSION & CARBON SINK INFRASTRUCTURE

- Expand rooftop solar PV capacity across new academic building complexes, targeting 50% renewable electricity autonomy by 2030.
- Upgrade 100% of campus lighting to intelligent sensor LEDs and transition internal maintenance fleets to zero-emission electric vehicles.
- Enhance campus green canopy coverage and landscaped vegetative areas to expand institutional ecological carbon sinks.
- Scale on-site organic waste composting into bio-fertilizer, directly eliminating landfill-associated methane emissions.

4. CLIMATE CURRICULUM, POLICY ADVISORY & NGO ALLIANCES

- Integrate mandatory general-education modules on 'Climate Change & Energy Transition' across all undergraduate programs.
- Execute strategic MOUs with accredited international and regional NGOs (HANE, WWF) for ecosystem-based adaptation (EbA) projects.
- Transfer IoT/WebGIS early flood and storm surge warning platforms to HCMC urban planning and emergency management agencies.
- Establish the IUH Climate Research Seed Fund, sponsoring Scopus Q1/Q2 projects in carbon capture and green storage technologies.