University Rating System (HURS)

University : Siam University
Country : Thailand
Web Address : https://sustainability.siam.edu

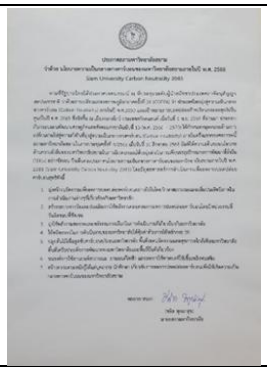
SI 2.4 Advanced Energy Management Systems

[2.4.2] Impactful university program(s) on climate change





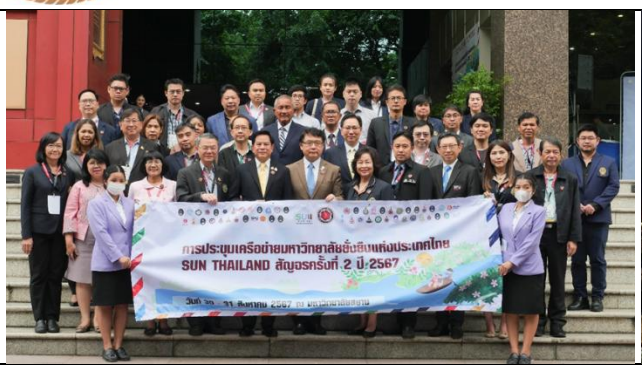








1) "Siam University Carbon Neutrality 2045" Policy and Campaign





2) Energy Talk at SUN@Siam University.













3) Water source restoration at SUN@Siam University







4) IGGA Award “Tiny Heroes, Global Saviors” Project







5) Action Toward a Carbon Neutrality Award “Community Forestation”






6) Big Cleaning Day with Pasi Charoen District Office

Impactful university programs on climate change (Siam University, Thailand)

Description:

Siam University provides conferences and activities which are implemented by surrounding communities, communities at the national level and is awarded at international level.

1) **Carbon Neutrality 2045.** The University Council has approved the “Siam University Carbon Neutrality 2045” policy in the meeting on August 31, 2022. After that we have activities such as campaign for renewable energy, No single-used plastic campaign and send our staff for training with the organization relating to Carbon Neutrality. Recently, we have revised the policy to including 2 more actions and the revised version was approved on October 30, 2024 (Sustainability Report 2023-2024, p. 8).
   - Building awareness of carbon neutrality and provide training in the carbon emission reduction for our staff and students.
   - Reducing Co_2 and gas emission by campaigning the use of zero emission vehicles, zoning those powered by internal combustion engines, and limit number of vehicles in the campus.
2) **Energy Talk at SUN@Siam University.** Siam University hosted Sustainable University Network (SUN) Thailand during August 30-31, 2024. Activities included special lectures, study visit in our community living labs to learn about their sustainability projects. We also initiated best practice e-postcards to be shared among members. The event was chaired by Deputy Prime Minister and Minister of Energy and was attended by representatives from 32 higher education institutions (Sustainability Report 2023-

2024, p. 107-109). In the opening ceremony, Deputy Prime Minister and Minister of Energy (Mr. Pirapan Salirathavibhaga) gave a speech on "The Next Step for Sustainable Energy of Thailand." The important roles of alternative, renewable and clean energy were emphasized (Sustainability Report 2023-2024, p. 47-48).

3) **Water source restoration at SUN@Siam University.** To provoke awareness of water pollution and the imperatives of water source restoration. The theme of our conference at SUN@Siam University during August 30-31, 2024 is "Thonburi Srimahasamut" means the city where many rivers flow to the ocean. An impressive performance, Matcha Waree: Save the World, Save the Environment, was initiated by the Center of Arts and Culture. The show represents Haruman (the White Monkey) and Matcha (The Fish) in Waree (water). The story tells about the good and bad day of water world causing by pollution and how we can save the world. In addition, a session on "Venice Siam: Action Towards our Dream" was organized. Besides our President, we invited a well-known expert from Urban Action, leader of Lat Mayom Community, representative from Phasi Charoen District Office and SU Research for Community Development Center to share examples and suggested guidelines for the people of Thonburi to achieve the goal of becoming "Venice Siam" (Sustainability Report 2023-2024, p. 80-82).
4) **IGGA Award "Tiny Heroes, Global Saviors" Project**. The project was done by Faculty of Nursing, Siam University using black soldier fly larvae to decompose organic waste, addressing health issues and creating a new income source for the Klong Ladphachi community by transforming the larvae into marketable pet food. The Tiny Heroes - Black soldier fly larvae - could improve community health through proper organic waste management, reduce greenhouse gas emissions, and can be developed into a protein-based and laboratory-tested pet food product. Activities included educating about zero waste, training on black soldier fly larvae rearing and organic waste separation for feeding. A new waste management approach using larvae to decompose waste was introduced, followed by developing value-added pet food, laboratory safety testing, package designing, and online sales training. becoming an innovative, sustainable model other communities can adopt. The project received 2024 IGGA award which was partnered with UN Environment Programme, the Association of Commonwealth Universities (ACU), L'Agence Universitaire de la Francophonie (AUF), International Association of Universities (IAU) and the Higher Education Sustainability Initiative (HESI) and Allianz. Earlier, it was awarded at the SUN (Sustainable University Network) Thailand: Action toward a carbon neutral society, on February 14, 2024, recognizing it as a model community in waste management that created a clean environment, improved health and well-being, and generated income from waste disposal. It was also awarded a prize at the 2024 Asian Sustainable Campus Network (ASCN) 2024, at Tongji University, China during June 4-5, 2024 (Sustainability Report 2023-2024, p.15).
5) **Action Toward a Carbon Neutrality Award "Community Forestation".** Siam University Student Union take part in a continuous forestation of economic woods in Sung Men District, Phrae Province for years. The project was initiated due to the fact the area of economic woods decreases drastically not considering many new generations leave farming and agricultural profession. With the help of Chair of Community Enterprise, the students encourage members of the farmer groups to participate in 1000 Rai forestation project. The project is very successful not only the benefit to climate change but also economically for the farmers gain about 20-30 % more income and socially in that stronger partnership has been built. The project won a consolidation price in SUN Thailand Annual Conference, "Action Toward a Carbon Neutrality" on 15 February 2024 with 5,000 Baht award. Also, it received a sponsor of 10,000 Baht from the STAR STEMS Talent Award Season 2 of the Senate Committee of Higher Education, Science, Research and Innovation on 19 January 2024 (Sustainability Report 2023-2024, p. 77).
6) **Big Cleaning Day with Pasi Charoen District Office.** Siam University's staff and students, Phasi Charoen District Authority and community members performed Big Cleaning Day in many areas in the community around campus such as the Healthy Space of Well Being and Rung Fa community. The activities were a part of CSR to commemorate H.M. the King's 72nd Birthday. (Sustainability Report 2023-2024, p. 78).