

**CMU**  
CHIANG MAI UNIVERSITY



**Chiang Mai University**  
A Leading University Committed to Social Responsibility  
for Sustainable Development through Innovation

# SDGs

## Chiang Mai University

### 2023 - 2024









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# Introduction

Chiang Mai University is determined in its commitment to continuous growth and development, as demonstrated by its 13th Chiang Mai University Education Development Plan (2023-2027).

This strategic plan aims to drive the university forward holistically, aligning with national strategic objectives and meeting the needs of stakeholders at both local and national levels including students, learners, employers for whom graduates work, communities, society, and public and private sector organizations that make use of academic and research outputs.

The university's development goals are closely aligned with the Sustainable Development Goals (SDGs) by building on core competencies that integrate diverse academic expertise to foster innovation for sustainability. This initiative is grounded in the principles of Environmental, Social, and Governance (ESG) responsibility, aspiring to rank among the top 50 in the Times Higher Education Impact Rankings (THE UIR).

All 17 SDGs have been adapted as Chiang Mai University's strategic objectives (SO) to move the university toward sustainable development, including the following key initiatives:

**SO1:** Fostering sustainable development in bioeconomy innovation (Biopolis Platform), striving to become a Carbon Neutral University. This aligns with SDG 7 (Affordable and Clean Energy), ensuring access to modern, sustainable and affordable energy for all; SDG 11 (Sustainable Cities and Communities), promoting inclusive, safe, resilient, and sustainable urban and human settlements; and SDG 13 (Climate Action), accelerating the response to climate change impacts.

**SO2:** Advancing sustainable innovation in medicine, health, and elderly care (Medicopolis Platform), including initiatives like becoming a Digital Health Hub, in line with SDG 2 (Zero Hunger), ending hunger, achieving food security, and improving nutrition for all ages, and SDG 3 (Good Health and Well-being), ensuring healthy lives and promoting well-being for all.

**SO3:** Developing sustainable creative Lanna (Creative Lanna Platform) by enhancing creative spaces that integrate with other university areas such as Biopolis and Medicopolis, and fostering creative products and services. This goal aligns with SDG 11 (Sustainable Cities and Communities), supporting inclusive, safe, resilient, and sustainable urban areas.

**SO4:** Strengthening sustainable development in education (Education Platform), in line with SDG 4 (Quality Education), ensuring inclusive, equitable quality education and promoting lifelong learning opportunities for all.

**SO5:** Building sustainable development through research and innovation (Research and Innovation Platform), such as establishing prototype areas for sustainable development (Social Labs for Sustainability), in line with SDG 9 (Industry, Innovation, and Infrastructure), promoting durable infrastructure, inclusive industrial development, and innovation.

**SO6:** Managing the organization toward excellence (CMU Excellence Management Platform), with a focus on agility and adaptability (LEAN & Agility), aligning with SDG 8 (Decent Work and Economic Growth) for sustainable and inclusive economic growth and full employment, as well as SDG 11 (Sustainable Cities and Communities), for safe, inclusive, resilient, and sustainable urban settlements.

# Message from the President of Chiang Mai University

Chiang Mai University, established as the first university in the region, was founded based on the government's policies and the aspirations of the northern community to become a center of academic and professional excellence, benefiting both local and national communities. The university must play a pivotal role in advancing national development, adding value to society in line with its founding principles. This is achieved through the integration of expertise across diverse fields to create innovations that support sustainability.

Our vision at Chiang Mai University is to be a socially responsible institution that drives sustainable development through innovation. Guided by the Sufficient Economy Philosophy (SEP) and the Sustainable Development Goals (SDGs), our approach aligns with the principles of Environmental, Social, and Governance (ESG) for socially responsible sustainability. This vision positions us as a leading university delivering value within Thailand and internationally. Our mission encompasses four key areas: Education, Research, Academic Service (Outreach), and Integrated Management (Stewardship). Our efforts align with the strategic objectives outlined in the 13th Chiang Mai University Education Development Plan (2023-2027), focusing on:

1. Sustainable development through bio-based economic innovation (Biopolis Platform).
2. Sustainable advancement in medical innovation, health, and elder care (Medicopolis Platform).
3. Sustainable development of Creative Lanna culture (Creative Lanna Platform).
4. Sustainable advancement in educational management (Education Platform).
5. Sustainable research and innovation (Research and Innovation Platform).
6. Organizational management toward excellence (CMU Excellence Management Platform).

Marking the six decades of continuous development, Chiang Mai University has consistently demonstrated its commitment to benefiting communities, society, and the nation. Beginning with our efforts to strengthen educational foundations, we have grown into a leading, socially responsible university that drives sustainable development through innovation. Chiang Mai University is poised to enter its seventh decade, continuing to add societal value in accordance with our founding mission, integrating expertise across disciplines to pioneer sustainable innovation.

This SDG Report highlights Chiang Mai University's key achievements and activities as we continue to be a force for community strength and national advancement. Our work brings together agencies at all levels, both regionally and nationally, to advance the Sustainable Development Goals (SDGs) with an integrated approach, ensuring sustainable success.

**Prof. Pongruk Sribanditmongkol, M.D., Ph.D.**  
**President of Chiang Mai University**







ศาลาธรรม  
SALA DHAM



CHIANG MAI UNIVERSITY





Logo  
CIVIL SERVICE

SUZUKO



# SDG1

# No Poverty





## Online Course “Basic Financial Tools Usage on Smartphones”



The online course, “Basic Financial Tools Usage on Smartphones”, offered by CMU Lifelong Education is a course that introduces the use of banking applications for money transfers, balance checking, and various types of transactions. This course was developed in response to the current trend of increasing smartphone transactions. As some shops no longer accept cash, it has become necessary for elderly people to learn how to use banking applications. The course provides knowledge about financial planning, balance checking for calculating income and expenses, and awareness of scammer tactics to enhance personal protection for learners.

This course is available to all individuals free of charge via the CMU Lifelong Education platform. Other courses are also offered for upskilling and reskilling all participants at no cost, accessible from any location and time.

Source: <https://mooc.cmu.ac.th/th/course175fff3-c95e-4736-9b5d-163b41be10b0>



## Lanna Rice Research Center, Chiang Mai University Under the Project of Mae Hia Smart BCG Model

Lanna Rice Research Center, Faculty of Agriculture, Chiang Mai University, is a holistic resource center for rice-related knowledge and innovations. It provides knowledge spanning from rice cultivation to consumption. The center works closely with researchers from various fields to develop technologies and knowledge that can be practically applied throughout the rice production value chain.

The center also focuses on local rice varieties in the northern region of Thailand, which have unique characteristics. In addition, it seeks ways to utilize rice straw and other rice components. For example, rice straw is processed into paper pulp and packaging materials. This project helps reduce the amount of waste that needs to be burned, which is an alternative way to decrease pollution from dust and smoke.

Lanna Rice Research Center works diligently to develop the quality of life of agriculturists and communities by providing knowledge and introducing modern technologies in the development of rice varieties. Moreover, it creates a sustainable system of rice production and works to reduce waste and negative impacts on the environment. It also raises the value of local rice, helping agriculturists and related agencies to gain more income.

Source: <https://www.youtube.com/watch?v=MxTRePWBvOY>



# Thai Me Dee Festival 2022: Explore, Experience, Shop

The School of Lifelong Education, Chiang Mai University, under the leadership of Assistant Professor Dr. Juthathip Chalermphol, Assistant to the President of Chiang Mai University, organized “Thai Me Dee Festival 2022” as part of the “Me Dee” project, a learning platform for innovations that promotes entrepreneurs of different ages to create products or works from local wisdom. Ms. Bussaya Jaisawang, Deputy Director-General of the Department of Older Persons, presided over the festival.

This event aligned with the policies of the Ministry of Social Development and Human Security in preparation for an ageing society. It focused on enhancing the skills and economic opportunities of people of all ages, which responds to SDG 1 in addressing income issues, promoting security and enhancing skills for elderly people.

The festival featured various activities, including cultural art performances by the Senior Wellness Center, Chiang Mai University, a local products marketplace from 17 Northern provinces of Thailand, and a folk song music content of Chiang Mai University students held at Lan Sang Keet, Ang Kaew, Chiang Mai University.

Source: <https://www.cmu.ac.th/th/article/d60cd9c5-f162-408c-adf4-48b868ab74d1>



## Community Educational Outreach Activities

Various departments of Chiang Mai University have organized activities to transfer knowledge to communities. The knowledge offered by the university has helped people in communities earn income and reduce poverty, especially during the spread of COVID-19. Many people have returned to their hometowns or have needed to seek additional sources of income to improve their financial situations. These knowledge transfer activities have been conducted with cooperation from multiple departments. For instance, students from the Agro-Industry Faculty conducted a knowledge transfer session on “chicken leg-shaped snacks with cricket protein powder in almond, garlic butter and black sesame flavors” under the Government Savings Bank Yuwaphat Rak Tin Project. This was done for Ban Mae Tad Organic Farming Community Enterprise Group, San Kamphaeng District, Chiang Mai Province. In addition, the “Packaging Development and Marketing Promotion for Community Products of Mae Kha Sub-district” Project, under the U2T for BCG initiative of the Research Institute for Health Sciences shared knowledge about online marketing for community products. This helped promote community potential, increase income, expand distribution channels, and reduce poverty in communities.

Source: <https://www.cmu.ac.th/th/article/a4ebd99e-6bbc-46c3-a4e7-c2fe7de83ac7>  
<https://www.cmu.ac.th/th/article/f4fc8a75-489a-4025-aed6-2dece4d6bf93>



# SDG2 Zero Hunger

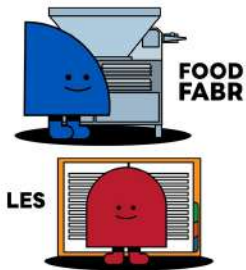
**STEP**  
CMU  
SCIENCE AND TECHNOLOGY PARK  
CHIANG MAI UNIVERSITY

**บริการเครื่องจักร  
และแลปฯ ครบในที่เดียว  
ให้การเริ่มสร้าง  
ผลิตภัณฑ์ใหม่  
ง่ายสำหรับทุกคน**



STeP

บริการเครื่องจักร  
และแอปฯ ครบในที่เดียว  
ให้การเริ่มสร้าง  
ผลิตภัณฑ์ใหม่  
ง่ายสำหรับทุกคน



## The Northern Science Park at CMU provides facilities for food entrepreneurs/operators.

The Northern Science Park at Chiang Mai University (STeP) provides facilities for SME entrepreneurs, community enterprises, or those interested in developing food product prototypes, making it easier to develop and scale up their products, even when starting from a small scale. They offer Foodfabr which provides food production machinery along with consultation services for product development and advanced technology production processes, and LES which provides analytical testing services for food products, agriculture, and biotechnology to evaluate product quality, create nutrition labels, and obtain various certifications. In addition to these services, they also act as an intermediary to coordinate with relevant agencies.

Source: [https://www.step.cmu.ac.th/view\\_content.php?ct\\_id=TVRZNA%3D%3D](https://www.step.cmu.ac.th/view_content.php?ct_id=TVRZNA%3D%3D)



## Online Course “Evaluating Lanna Ingredients and Soft Power for Culinary Innovation”

An online course, Evaluating Lanna Ingredients and Soft Power for Culinary Innovation, from the Faculty of Agro-Industry on the CMU-Mooc platform is a course that emphasizes both theoretical and practical education. Students will learn about innovative design thinking processes while using local ingredients such as Chiangda and Perilla seeds to create special culinary dishes. This learning process aims to create innovations that enhance cultural value and soft power for both the local ingredients and Lanna communities.

The course objectives are to enable students to create innovations using local ingredients and build cultural value and soft power for both ingredients and local communities, and to enable students to apply design thinking knowledge in developing food industry innovations that serve market demands.

Source: <https://mooc.cmu.ac.th/th/course/ce639004-16f5-4b90-b46b-904d6f613729>



## “Let the food light your way”



The Food Innovation and Packaging Center, Chiang Mai University (FIN) organized the TOP 10 go local Gastronomy Let the food go event as part of the Wonderful Secondary City of Lanna Gastronomy Tourism project.

The event showcased the top 10 northern Thai food establishments and featured over 40 restaurants from Lamphun, Lampang, Chiang Rai, and Phayao provinces. This event builds upon the success of the Gastronomy Tourism: LANNA Gastronomy “Missing Chiang Mai” project, which aimed to develop and highlight new interpretations of traditional Lanna cuisine in interesting and distinctive ways. The objectives of the event were to widely promote the project across both tourism and culinary dimensions, help food businesses and entrepreneurs reach their target customers, increase distribution channels, and provide market testing opportunities for further development and improvement.

Source: <https://www.cmu.ac.th/th/arti->



## The Good Market (Talad Khunnatham)

The Good Market (Talad Khunnatham) is a project that began around 2019 to increase income opportunities for faculty and department staff by allowing them to sell agricultural products, food, and various edible items. The market operates on an honor system where customers pick up items and handle payments/change by themselves. There are shared regulations for selling products stipulating that goods, especially food items, must be of good quality and reasonably priced. During the COVID-19 pandemic, the Good Market project expanded to various faculties and departments of Chiang Mai University. Currently, QR code payment is popular, making transactions safer and more convenient.

Source: [https://council.cmu.ac.th/co-static/document/council\\_newsletter/2565/issue-71-04.pdf](https://council.cmu.ac.th/co-static/document/council_newsletter/2565/issue-71-04.pdf)

# SDG3

3 GOOD HEALTH AND WELL-BEING



## Good Health & Well-Being

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## Chiang Mai University Health Center (Phai Lom Clinic)

The Chiang Mai University Health Center is a 3-story building located near Phai Lom Gate and student dormitories. With over 5,600 square meters of usable space, it provides health services to students, Chiang Mai University personnel, and the general public without requiring them to travel to Maharaj Hospital. The center is operated by medical teams from various health-related faculties and includes general medical clinics, physical therapy clinics, dental clinics, and CMU Minds (mental health center). Additionally, it houses a Builds Center to support students in becoming startups, a pharmacy, an optical shop, and a food court. It serves as an important meeting point within Chiang Mai University and promotes quick access to health services.

Source: <https://healthcenter.cmu.ac.th/>



## CMU develops innovative real-time air quality monitoring and burning alert system to create PM2.5 dust-free areas.

Due to the extremely small size of PM 2.5, when inhaled, it can penetrate deep into the lung's air sacs, causing reactions in the bronchioles and alveoli, and can be absorbed into the bloodstream. These substances can significantly harm the body. Therefore, Chiang Mai University has implemented a Clean Air project in 16 student dormitories, covering 2,773 rooms, to create dust-free rooms. The research team from the Energy Research and Development Institute, Chiang Mai University, designed these dust-free rooms by supplying clean air through fans with air filters and covering large openings with mosquito nets or dust-proof curtains.



Chiang Mai University has also collaborated with the Chiang Mai University Development Foundation on the Clean Air for Children project to create safe spaces in 603 early childhood development centers in Northern Thailand, protecting children from PM 2.5 and promoting suitable learning environments.

Furthermore, Chiang Mai University has established an academic working group to address the northern region's smog problems, working with government agencies and provinces to create innovations for air quality monitoring, such as DUSTBOY (air particulate matter measurement device), NTAQHI (Northern Thailand Air Quality Health Index), FireD (application for reporting PM 2.5 smoke situations), and Por Dee Dee (forest fire management application).

All these initiatives help create safe and suitable environments for living and learning, reduce the health impacts of smoke pollution, and support efforts to address smog and forest fire problems in Northern Thailand.

Source: <https://www.cmu.ac.th/th/article/e924be12-45ab-4b2f-a6a7-8a4740d6e56b>

## CMU unveils CMU-DonePorDee innovation in Singapore for the first time, helping cleft lip and palate patients recover effectively, while also winning 3 international awards.



Chiang Mai University, through its Biomedical Engineering Institute, Cleft Lip and Palate Center, Faculty of Dentistry, and Faculty of Medicine, launched an innovation called “CMU-DonePorDee - Help Cleft Patients with Innovative Stents” in Singapore. This innovation helps support the nasal structure of children with cleft lip and palate, and has helped more than 2,000 pediatric patients at no cost. The innovation made its debut and won awards at WorldInvent Singapore 22+23 (WoSG), including a Silver Medal and a Special Prize from the Kingdom of Saudi Arabia.

CMU-DonePorDee combines various technologies, including 3D scanning and 3D printing. The Biomedical Engineering Institute had to design and build these systems specifically to best suit this innovation. Additionally, CMU-DonePorDee requires in-depth knowledge from experts across multiple fields to create devices that are optimally suited to each child patient’s nasal structure. Cleft lip and palate is a condition caused by facial and oral structural abnormalities that develop during pregnancy. In Thailand, it occurs in 1-2 per 1,000 newborns. While surgical treatment helps correct the structure to normal, close post-operative care is required as pediatric patients may experience breathing difficulties.

Source: <https://www.cmu.ac.th/th/article/0c53e472-d373-4850-9295-faec8d2a6d38>

## CMU researchers highlight “Pak Han,” a Thai native plant, for its potential in fighting leukemia and increasing treatment options.

Leukemia (cancer of white blood cells) ranks among the top 10 most common cancers in Thailand and can affect people of all genders and ages. Currently, the exact cause of the disease remains unknown. Chiang Mai University recognizes the importance of establishing a learning foundation to expand the capability of cancer treatment in Thailand using locally available or producible resources.

The research team, comprising researchers from the Faculty of Science, Faculty of Pharmacy, and Research Institute for Health Sciences at Chiang Mai University, has been studying *Elsholtzia stachyodes*, a plant used in ethnic medicine by Karen and Akha people, for its anti-leukemic properties. The team found that extracts from this plant are highly effective against leukemia cells while showing low toxicity to normal cells. The key compounds identified include Luteolin and Apigenin, which can induce cancer cell death through apoptosis and inhibit cancer cell growth.

This research not only enhances Thailand’s capacity to treat cancer patients but also helps reduce dependence on imported chemicals. Furthermore, the study explores new approaches to eliminate cancer cells using locally produced antibodies, contributing to sustainable and environmentally friendly innovation. This research can be further developed to generate income for local communities and develop medicines for cancer treatment, increasing the chances of successful cancer treatment outcomes.

Source: <https://www.cmu.ac.th/th/article/c750f98d-1ae0-4328-ae87-a8ea3acd9c40>

**“ผักฮาน”**  
จากพืชพื้นบ้านกลุ่มชาติพันธุ์  
สุญยาต้านมะเร็งเม็ดเลือดขาว

นักวิจัยคณะวิทยาศาสตร์ ร่วมกับ คณะเภสัชศาสตร์  
และสถาบันวิจัยวิทยาศาสตร์สุขภาพ มช. ศึกษาผลของสาร  
**ต้านมะเร็งเม็ดเลือดขาว**  
จากพืชที่ใช้ในการบริโภคและการแพทย์  
ทางชาติพันธุ์  
**ELSHOLTZIA STACHYODES**

“The anti-leukemic activity of a luteolin-apigenin enriched fraction from an edible and ethnomedicinal plant, *Elsholtzia stachyodes*, is exerted through an ER stress/autophagy/cell cycle arrest/apoptotic cell death signaling axis”

ตีพิมพ์ในวารสาร:  
1. Biomedicine & Pharmacotherapy, 2023-04-01  
(<https://doi.org/10.1016/j.biopha.2023.1145375>)  
2. Biochimica et Biophysica Acta (BBA) - Molecular Cell Research, September 2022  
(<https://doi.org/10.1016/j.bbamcr.2022.119295>)

ทีมวิจัยคณะวิทยาศาสตร์ มช.



# SDG4



# Quality Education

CMU SCIENCE WEEK 2023  
@Chiang Mai University



งานสัปดาห์วิทยาศาสตร์ 2566  
Science in the VUCA world  
วิทยาศาสตร์ในโลกที่ผันผวน

VUCA

31 ส.ค. , 1-2 ก.ย. 66  
ณ คณะวิทยาศาสตร์ มช.  
<http://scw.science.cmu.ac.th>

ผศ.ดร.ศุภณัฐ ชัยดี  
ผู้ช่วยคณบดีฝ่ายสื่อสารองค์กร คณะวิทยาศาสตร์ มช.





## CMU Lifelong Education

The School of Lifelong Education, Chiang Mai University (CMU Lifelong) offers a platform of learning courses from lecturers of various faculties in Chiang Mai University. It provides opportunities for individuals to study their courses of interest for re-skilling and up-skilling, accumulating credits, or receiving competency certificates for employment in a classroom-equivalent learning environment. The courses are available in online, offline and hybrid forms with a learning track system and the issuance of certificates to learners.

Lifelong Learning helps individuals in society access quality knowledge and enables learners to apply it to their career enhancement or personal development in the topics of interest. Furthermore, it creates a continuous learning culture for them. Another key aspect is that it encourages equal educational opportunities because the courses are accessible to everyone, responding to SDG 4 Quality Education in the United Nations' sustainable development goals (SDGs).

Source: <https://www.lifelong.cmu.ac.th/>



## CMU Science Week 2023

The Faculty of Science, Chiang Mai University, organized the Regional National Science Week 2023 from August 31 to September 2, 2023, under the theme “Science in the VUCA World: Science in the World of Disruption.” The event received support from the Ministry of Higher Education, Science, Research and Innovation, the Science Society of Thailand Under the Patronage of His Majesty the King, and other agencies in government and private sectors.

The event aimed to provide opportunities for young people to learn about and experience how science and technology can address challenges in today's world. In addition, it sought to raise awareness about science's crucial role in the country's sustainable development.

The main activities featured a variety of academic competitions, including project contests, cartoon and scientific imagination drawing competitions, quiz competitions, science performances, scientific problem-solving challenges, invention and innovation contests, and activities for the young scientists' club.

The event not only enhanced young people's scientific skills and knowledge but also provided a platform for them to showcase their potential and inspired them to apply science in solving real-world problems in our rapidly changing environment.

Source: <https://scw.science.cmu.ac.th/>





## 16th Born to be Nurse Camp

Assistant Professor Piyawan Sawasdisingha, Assistant Dean for Student Development and Alumni Affairs at the Faculty of Nursing, Chiang Mai University, presided over the opening ceremony of the 16th Born to be Nurse Camp. The camp offered Grade 12 students aspiring to become nurses an opportunity to explore the nursing profession, develop critical thinking skills in academics while engaging in activities that demonstrated moral and ethical behavior, and learn about the Bachelor of Nursing Science program.

Activities included visits to class buildings and nursing laboratories, as well as learning and training activities to test their performance in nursing such as basic first aid and pulse measurement. In addition to academic activities, they participated in games, sports and other recreational activities that helped students build friendships and foster unity among themselves. The event took place at Building 2, Faculty of Nursing, Chiang Mai University on November 11, 2023.

Source: <https://www.nurse.cmu.ac.th/web/FONEEventDetail.aspx?id=39398>



## Division of Elementary Education Conducts Science-Related Activities to Motivate Young Scientists in Ban Huay Som School

On August 17, 2022, Assistant Professor Dr. Uraiwan Hanwong, Associate Dean Faculty of Education, and a lecturer for the course on methodology of learning management in the science subject area for elementary education, brought 28 students in the Elementary Education Program, Faculty of Education, Chiang Mai University, who were enrolled in the course, to conduct science-related activities to inspire young scientists at Ban Huay Som School. The aim was to provide hands-on experience in the development of scientific processes, science process skills, critical thinking, analytical skills, and creativity. The students collaborated in designing five science learning stations: Shake-the-World Ice Cream, Pok Pok Pok, Little Divers, Natural Soap, and Science Magic for 220 preschool and elementary (Grades 1-6) students of Ban Huay Som School. Mr. Apichat Inta, the principal of Ban Huay Som School, presided over the opening ceremony at Ban Huay Som School, San Pa Tong District, Chiang Mai Province.

Source: <https://www.edu.cmu.ac.th/news/3733-ug06hmow9usl6jkr880p>

# SDG5



# Gender Equality







## Child Health Promotion Demonstration Unit, Faculty of Nursing

The Child Health Promotion Demonstration Unit, under the Faculty of Nursing, has been operated since October 1988. The unit provides care for children aged 6 weeks to 3 years, serving both Chiang Mai University staff and the general public. Its primary purpose is to alleviate parents' burdens while promoting the healthy development of young children, a critical stage of growth. The unit's goals include fostering children's development according to their individual potential, helping them socialize effectively, advancing academic research in child care, and providing valuable hands-on experience for nursing students.

Source: <http://hosts.nurse.cmu.ac.th/childcare/index.php/childcare/servicerates/18-readmore>



## CMU Pride Month 2023

Chiang Mai University, through its Corporate Communication and Alumni Relations Center, Student Development Division, and Student Union, organized the CMU Pride Month 2023 event under the theme "Equality Unleashed: Embracing Equality and Inclusion at CMU" at the university food center's activity area. The event featured exhibitions, talks on gender diversity, games, a parade, and a "Pride" themed costume contest. Dr. Narongchai Luengwilai, Vice President of Chiang Mai University, presided over the opening ceremony.

The main objective of the event was to promote acceptance and equal rights for the LGBTQIA+ community within the university and society. The activity aligned with the university's policy of supporting gender diversity and highlighted Chiang Mai University's achievement as the top institution globally for SDG 5 Gender Equality, as recognized by the Times Higher Education Impact Rankings 2022.

Source: <https://www.cmu.ac.th/th/article/daa794e3-39da-4a8b-8224-72500aba8dc6>



## Workshop on “Women Capacity Building for Change Project”

The Political Science Innovation Centre, Faculty of Political Science and Public Administration, in collaboration with the International Republican Institute (IRI), organized the workshop on Women Capacity Building for Change Project. Female leaders from various communities in Chiang Mai and Mae Hong Son participated in the workshop. The workshop’s main objectives were to enhance skills that help women in these communities engage more effectively in community activities, strengthen their leadership abilities, and foster design thinking for policy development and project management. This approach is expected to increase participation in community development. The initiative also promotes SDG 5 by advancing women’s leadership and social participation.

Source: <https://www.facebook.com/share/p/142M-b1ANsm/>



## Campaign activity to stop violence against women and children entitled “Stop Sexual Harassment Bystander Intervention”

The Women’s Studies Centre at Chiang Mai University, in collaboration with the British Embassy, Canadian Embassy, and Focus Foundation, launched the campaign “Stop Sexual Harassment: Bystander Intervention” at Lan Sang Khit, Chiang Mai University. Associate Professor Dr. Piyapong Niamsup, Vice President of Chiang Mai University, presided over the opening ceremony. The campaign aims to foster an understanding of human rights and address issues related to sexual harassment and assault. Additionally, it seeks to raise awareness and promote accurate understanding of these topics. This initiative aligns with SDG 5, which focuses on eradicating sexual harassment and encouraging respect for all, grounded in gender equality.

Source: <https://www.cmu.ac.th/th/article/10d55a93-03c7-436a-b2e7-270e03c9322b>





# SDG6

6 CLEAN WATER AND SANITATION



# Clean Water & Sanitation

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ประกาศมหาวิทยาลัยเชียงใหม่  
เรื่อง มาตรการบริหารจัดการน้ำ มหาวิทยาลัยเชียงใหม่ พ.ศ. 2566

โดยที่มหาวิทยาลัยเชียงใหม่มีนโยบายการจัดการสิ่งแวดล้อมและพลังงาน เพื่อการพัฒนาอย่างยั่งยืน (Sustainable Development) และเพื่อเป็นการกระตุ้นให้บุคลากรและผู้เกี่ยวข้องในมหาวิทยาลัยเชียงใหม่ เกิดจิตสำนึกและมีส่วนร่วมลดการใช้น้ำประปา และจัดการน้ำเสียอย่างมีมาตรฐาน ซึ่งเป็นสาเหตุของปัญหา มลภาวะทางน้ำ และเพื่อให้สอดคล้องตามมาตรการที่กำหนดในตามพระราชบัญญัติส่งเสริมและรักษาคุณภาพ สิ่งแวดล้อมแห่งชาติ พ.ศ.2555 ในเรื่องของการควบคุมและป้องกันมลพิษจากแหล่งกำเนิด สำหรับควบคุมการระบายน้ำที่ การปล่อยทิ้งอากาศเสีย การปล่อยทิ้งของเสีย หรือมลพิษอื่นใดจากแหล่งกำเนิดออกสู่สิ่งแวดล้อม เพื่อรักษา คุณภาพสิ่งแวดล้อมให้ได้รับมาตรฐานคุณภาพสิ่งแวดล้อม

อาศัยอำนาจตามความในมาตรา 35 และ 38 แห่งพระราชบัญญัติมหาวิทยาลัยเชียงใหม่ พ.ศ.2551 จึงออกประกาศดังนี้

ข้อ 1 ประกาศนี้เรียกว่า "ประกาศมหาวิทยาลัยเชียงใหม่เรื่อง มาตรการบริหารจัดการน้ำ มหาวิทยาลัยเชียงใหม่ พ.ศ. 2566"

ข้อ 2 ให้ประกาศฉบับนี้มีผลบังคับใช้ตั้งแต่วันถัดจากวันที่ประกาศเป็นต้นไป

ข้อ 3 ในประกาศนี้

"มหาวิทยาลัย" หมายความว่า มหาวิทยาลัยเชียงใหม่

"ส่วนงาน" หมายความว่า สำนักงานสภามหาวิทยาลัย สำนักงานมหาวิทยาลัย ส่วนงานวิชาการ ส่วนงานอื่น และหน่วยงานอื่นในส่วนงานวิชาการภายในสังกัดขึ้นตามประกาศมหาวิทยาลัย

"นักศึกษา" หมายความว่า นักศึกษาของมหาวิทยาลัย ทั้งระดับต่ำกว่าปริญญาตรี ระดับปริญญาตรี และระดับบัณฑิตศึกษา และให้หมายรวมถึงนักวิจัยของโรงเรียนสาธิตมหาวิทยาลัยเชียงใหม่

"บุคลากร" หมายความว่า พนักงานมหาวิทยาลัย ข้าราชการ ลูกจ้างในสังกัดมหาวิทยาลัย และให้

หมายความรวมถึง อาจารย์พิเศษ และบุคคลอื่นใดซึ่งได้รับแต่งตั้งให้ปฏิบัติงานให้กับมหาวิทยาลัยด้วย

"อาคาร" หมายความว่า ไม่ว่าจะมีลักษณะเป็นอาคารหลังเดียว หรือเป็นกลุ่มของอาคารซึ่งตั้งอยู่ ภายในพื้นที่ซึ่งเป็นบริเวณเดียวกัน และไม่ว่าจะมีหรือระบายน้ำท่อเดียว หรือมีหลายท่อที่เชื่อมติดต่อกันระหว่าง อาคารหรือไม่ก็ตาม

/"นี้ทั้ง" หมายความว่า...

# Chiang Mai University Water Management Policy 2023

Chiang Mai University has implemented an environment and energy management policy aimed at promoting sustainable development. This policy encourages staff and affiliates to participate in a water-use reduction campaign and to uphold wastewater management standards to prevent water pollution. It also aligns with the Enhancement and Conservation of National Environmental Quality Act 1992, focusing on pollution control measures for emissions, waste disposal, and other environmental pollutants, thereby ensuring adherence to environmental quality standards.

The policy includes specific measures, such as establishing end-of-pipe control standards for Chiang Mai University buildings, providing wastewater management guidelines for university sectors, and promoting water-use reduction practices across campus.

Source: <https://cmulaw.cmu.ac.th/Download?>

## Chiang Mai University in collaboration with the Office of the National Water Resources are promoting sustainable water management in Northern Thailand, using data and research to promote responsible use of national water resources.

On February 9, 2023, Chiang Mai University and the Office of the National Water Resources signed a Memorandum of Understanding at the Sriwisarn Waja conference hall, Chiang Mai University, to promote sustainable water management in Northern Thailand. The ceremony was co-chaired by Professor Dr. Pongrak Sribunditmongkon, President of Chiang Mai University, and Mr. Surasri Kitthimonthon, Director of the Office of National Water Resources, with administrators from both organizations in attendance.

This collaboration aims to expand knowledge and research, train water management personnel tailored to regional needs, and promote efficient water usage. Academic exchanges and water technology development are crucial key in applying this knowledge across government, private sectors, and communities, contributing to national development.

Source: <https://ora.oou.cmu.ac.th/มช-ผนึกความร่วมมือ-สนช/>







## Mae Kha Walk Rally 2023

Chiang Mai Province, the Chiang Mai Municipality Office, and various sectors organized the Mae Kha Walk Rally 2023 along the Mae Kha Canal, from Ausadhathorn Bridge to Pratu Kom Market. Led by Mr. Weeraphong Ridrod, Deputy Governor of Chiang Mai Province, and representatives from Chiang Mai University, the event aimed to promote community awareness and participation in the sustainable improvement of Mae Kha Canal and its tributaries. The initiative focused on four key objectives: enhancing water flow, controlling water quality, improving the landscape, and fostering community cooperation to make Mae Kha Canal a landmark of Chiang Mai.

Source: <https://www.cmu.ac.th/th/article/bfe80c79-886d-4cff-b85d-846dae32542d>



## The Ground Water Bank Programme on the CMU MOOC platform

The Ground Water Programme on the CMU MOOC platform aims to promote and provide knowledge on building groundwater banks to address water shortages at both household and community levels. This initiative helps alleviate dry-season water scarcity, supports farmers in achieving stable yields and income, and mitigates social issues stemming from rural-to-urban migration and unemployment due to COVID-19. By encouraging sustainable agricultural practices, the programme contributes to SDG 6, which emphasizes effective water management.

Source: <https://mooc.cmu.ac.th/th/course/af0ae325-b201-43f2-9c2b-caa47a531937>

# SDG7



# Affordable and Clean Energy

## แผนงานที่คาดว่าจะเกิดขึ้น CARBON NEUTRALITY PROJECTS

**CMU eco Infrastructure**

**IREC**

**เพิ่มจำนวนบุคลากรด้านคาร์บอน เป็นศูนย์ฟิวกอบรรระดับประเทศ**

**ต้นแบบนวัตกรรมพลังงานใหม่**

**ระบบควบคุมแสงสว่างอัจฉริยะ:**

**ต้นแบบนวัตกรรม CCUS**

**ระบบบริหารจัดการพลังงานในอาคาร Demand Response ลดการใช้พลังงาน 10% จาก BAU**

**วางโครงสร้างพื้นฐาน EV ทั่วพื้นที่**

**ถนนพลาสติกไร้เชื้อเพลิง มากกว่า 10 กิโลเมตร**

**Street Furniture จากขยะรีไซเคิล มากกว่า 300 ชุด**





## CMU's Green Routes towards "Carbon Neutral University"

Chiang Mai University is gearing towards a carbon neutral university within 2032 by putting a focus on a reduction of greenhouse gas emissions and the use of renewable energy within the campus through the infrastructure development towards low carbon lifestyle e.g. installations of rooftop solar panels and thermal energy generating system to lower electricity expenses and carbon emissions for more than 8,000 tCO<sub>2</sub>e/year.

Chiang Mai University also puts an effort to develop other five strategies such as greenhouse gas management, carbon reduction, carbon capture and storage in green areas, personnel development, and readiness preparation for climate changes. Other activities additionally promote environmental accountability, for example, waste management for Annual CMU Trekking and the Loy Krathong Parade.

Furthermore, the Project of Dust Free Room for a total of 603 early childhood development centers in the northern region is undertaken to tackle with the PM 2.5 air pollution and promote health of vulnerable groups in the communities.

Source: <https://www.cmu.ac.th/th/article/c46ef690-e33f-46e6-9c45-14bb8d76abac>



## CMU Installs 'Smart DustPole' in Communities and Tourist Attractions to Capture Dust for Clean Air

Chiang Mai University in conjunction with Climate Change Data Center (CCDC) has initiated the Project of 'Smart DustPole' Installation, a negative-ion pole, in the communities and tourist attractions to relieve the PM 2.5 air pollution. Equipped with the negative-ion generating technology, this smart pole is able to effectively capture dust particles in the air and trap them to the ground. Based on the test results, it can reduce more than 50% of the amount of dust within 1 hour without water spraying in the air.

The development of this innovation is as a result of collaboration between CMU UNISERV, CCDC, and Research Network under the support of "Fah Muan Project", placing emphasis on the energy-saving designs through solar renewable energy without using dust filters, in addition to a reduction of waste and resource utilization.

During the first phase, a total of 3-4 'Smart DustPoles' are installed around Sunday Walking Street in Chiang Mai in front of Tourist Information Center and Tourist Police Station. Additional installation will be expanded to other crowded places to reduce the accumulation of smoke in the city during the dust season.

Source: <https://www.cmu.ac.th/th/article/74a0feec-edcd-47c7-9612-d351292da5e5>



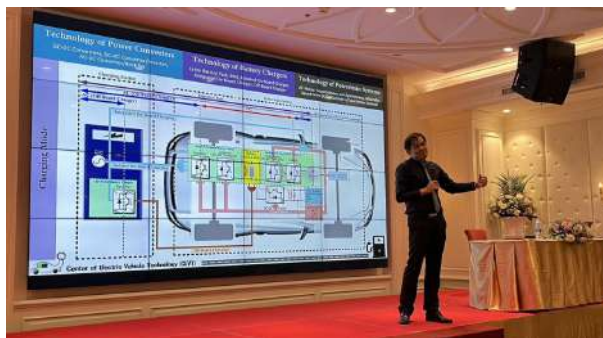
## CMU Receives CFO Badges for Carbon Neutral University

Chiang Mai University, represented by Associate Professor Dr. Itthichai Preechawuttipong from the CMU Energy Research and Development Institute of Nakornping (ERDI), received certificates for the Carbon Footprint of Organization (CFO) and Carbon Neutral badges from the Thailand Greenhouse Gas Management Organization (TGO) at the Annual Certificate Presentation Ceremony in 2024. In this event, other CMU organizations e.g. Mae Hia Educational Area, Hariphunchai Educational Centre, and ERDI were also certified.

CMU has constantly reduced greenhouse gas emissions by solar rooftop installations, plastic recycling, waste conversion to renewable energy, production of biogas and Compressed Biomethane Gas (CBG) to minimize fossil fuel use. Additionally, CMU proceeded with carbon credit procurement to compensate for greenhouse gas emissions. All these measures by CMU resulted in the Carbon Neutral certification in 2023.

The carbon footprint assessment for Mae Hia Educational Area and Hariphunchai Centre was successfully completed. CMU plans to achieve Carbon Neutral University to reduce emissions by 70% by 2027 and 100% by 2032. Receiving the CFO certificates by CMU clearly illustrates its commitment for sustainable growth towards a low-carbon society.

Source: <https://www.cmu.ac.th/th/article/22fcf53f-69a7-4e6a-8f2b-df5a7970632b>



## CMU Engineering X CEVT Hold Workshops for the EV Industry

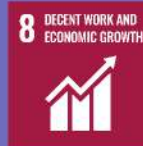
The Faculty of Engineering, Chiang Mai University, by Research Administration, Innovation and Academic Service Center in collaboration with Center of Electric Vehicle Technology (CEVT), held a workshop related to EV battery technology under the Project of Power Inverter Development for Electric Vehicles between 20-21 February 2023 at The Empress Hotel, Chiang Mai. This workshop was conducted to enhance the knowledge of EV technology to lecturers, personnel, and the public by Professor Dr. Yuttana Kumsuwan, a specialist. The event was presided over by Assistant Professor Dr. Peerapol Jirapong, Head of Electrical Engineering Department.

The workshop put stress on the knowledge of power inverter technology, battery system, EV charging system, and EV power transmission, including EV simulation programs. Participants also received the programs for further study and knowledge dissemination. Indeed, this activity was considered a part of CMU's strategies to promote the leading innovation and research to reskill and upskill the technology of electric vehicles. Good support was provided by several companies e.g. Nim See Seng Transport 1988, Energy Nakornping, and Yogogawa (Thailand).

Source: <https://www.cmu.ac.th/th/article/a640f47d-01ed-4222-a09a-ca35abd8dde5>



# SDG8



## Decent work & Economic Growth



## CMU organizes the 2023 CMU-KM Day to enhance routine work toward becoming a “University of Happiness.”



Chiang Mai University (CMU) held its annual CMU-KM Day 2023, focusing on enhancing daily operations to foster a “happy university” environment for its operational staff. Professor Dr. Pongrak Sribanditmongkol, CMU President, presided over the event, which took place at the University Academic Service Center on September 8, 2023. The project aimed to provide a platform for personnel from various departments to share knowledge, present outcomes from knowledge management processes, and discuss research and innovations geared toward developing a happier, more fulfilling workplace.

The event emphasized promoting learning, developing personnel potential, and showcasing activities to foster a learning organization and a “happy workplace” within CMU. A total of nine topics were presented, covering areas such as improving regular work tasks, best practices, educational support, research, and academic services. Presentations were delivered in both oral and poster formats to facilitate ongoing learning and development in alignment with CMU’s vision as a leading, socially responsible university focused on sustainable development and innovation in its 13th strategic phase (2023-2027).

Source: <https://www.cmu.ac.th/th/article/2908e0b0-5a90-4374-a1aa-d3e5c8ceff17>



## Builds CMU gathers a large number of student startups, showcasing success by establishing real companies while still in university.

Chiang Mai University (CMU) hosted the “Day Builds 1st Showcase” on March 27, 2024, to highlight student startup business projects, featuring over 20 teams presenting business ideas from the initial stages to full company registration. This event was part of the “Builds - CMU Startup & Entrepreneurial Program,” the first program in Thailand designed to support student-founded startups.

Professor Dr. Pongrak Sribanditmongkol, CMU President, emphasized the university’s policy to encourage students to launch businesses during their studies. CMU has established Faculty Startup Clubs to identify students interested in entrepreneurship and allocated funding to support the builds program, which aims to create a startup-friendly ecosystem on campus.

The event also included experience-sharing activities from students and alumni, as well as a talk with CK Cheng, CEO of Fastwork Technologies Co., Ltd. Over 800 students joined the builds program, with more than 60 startup teams developing ideas based on university research.

The event aimed to inspire students and support them in building real businesses during their studies, ultimately driving economic and social progress in Chiang Mai and Northern Thailand. Builds CMU aims to attract 1,800 students and form at least 120 teams by the end of the year.

Source: <https://www.cmu.ac.th/th/article/6c7e5bae-50df-4d85-ad34-6c8ec3200358>



## CAMT, in collaboration with the Chiang Mai Provincial Office, organizes training to enhance personnel capabilities with AI for provincial administration in the digital era.



The College of Arts, Media, and Technology at Chiang Mai University organized a training program to enhance the skills of government personnel through the use of Artificial Intelligence (AI) technology, as part of the Integrated Provincial Administration Efficiency Enhancement Project. The training was inaugurated by Mr. Weerapong Ritrod, Deputy Governor of Chiang Mai Province, and welcomed by Assistant Professor Dr. Jirawit Yanachinda, Associate Dean.

The objective of the training was to improve the skills and capabilities of public sector personnel in applying AI technology for efficient administration. It was divided into two courses: one for operational staff and another for agency executives. The training sessions were held over three rounds on September 7-8, September 14, and September 20-21, 2024, at the College of Arts, Media, and Technology.

This initiative aims to support digital-age provincial administration, enhancing the use of digital technology in decision-making and services for excellence in public administration. The focus was on applying AI to streamline and improve work processes for maximum efficiency.

Source: <https://www.cmu.ac.th/th/article/2941e48a-82c9-4ebd-b4a9-0fc0cae2ef66>



## INNO4Tourism- National Project Launch Event

The INNO4Tourism project was officially launched on June 17, 2024, with the goal of enhancing workforce potential in the tourism and hospitality industry by fostering collaboration between businesses and universities. This initiative aims to prepare students and recent tourism graduates with essential skills for entering a job market shaped by modern technology challenges. Supported by the European Union, the project will run for three years, from December 1, 2023, to November 30, 2026, with a total funding of €748,055 (approximately 29 million baht).

The project will establish career guidance centers at partner universities to link education with the tourism sector and will develop eight online courses focused on tourism management. A panel discussion on “The Role of Universities in Transforming the Tourism and Hospitality Industry for Sustainability” was also held, featuring representatives from government and private sectors sharing insights.

Additionally, there was a ceremony to hand over computers and conferencing equipment to support the ASTRA Innovation and Research Consulting Center, another EU-funded initiative. The project aims to create a positive social impact and promote sustainability in the tourism sector, aligning with Chiang Mai University’s commitment to Sustainable Development Goals (SDGs).

Source: <https://www.cmu.ac.th/th/article/462e13c7-19e7-491b-a576-8615b5af2239>

# SDG9

9 INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



## Industry, Innovation & Infrastructure

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## “From Chiang Mai to Antarctica,” CMU Researcher Starts IceCube Upgrade Mission in the South Pole



Lieutenant Junior Grade Dr.Chana Sinsabvarodom from Chiang Mai University is Thailand’s first researcher to be selected to join a mission to carry out missions in the South Pole under the Project of IceCube Neutrino in collaboration with over 350 researchers from 14 countries. The aim was to upgrade the low-energy neutrino detection system. This mission is therefore a great pride of Thai people to have a representative for this international research. Another Thai researcher, Miss Atcharaphon Phakwan, from Mahidol University would also participate in this project.

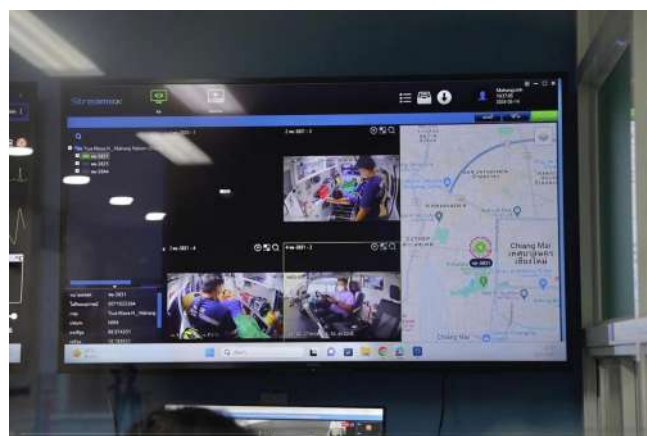
The IceCube Upgrade Project is initiated to improve the efficiency of neutrino detection by deploying additional strings at the Observatory located in the Antarctic, an area with extreme weather conditions and an almost inaccessible place. This polar research project (Arctic and Antarctic) is under Princess Maha Chakri Sirindhorn’s initiative to promote the scientific and technological research in those challenging areas.

This operation is extremely crucial for development of advanced scientific and technological knowledge for Thailand, aiming to enhance working skills in the area with extreme weather, along with the study of solar cosmic rays that impact the earth. Viewed as essential collaboration for Thailand’s future science, this project was accordingly presented at the Ministry of Higher Education, Science, Research and Innovation.

Source: <https://www.cmu.ac.th/th/article/dfe9ef3f-8161-42bb-bc00-c7fe6c4ee945>

## Maharaj Nakorn Chiang Mai Hospital Adopts the Government’s Policy for Application of 5G Technology to Upgrade Healthcare Services towards International Level

At a press conference, Assoc.Prof.Narain Chotirosniramit, MD, Director of Maharaj Nakorn Chiang Mai Hospital, Faculty of Medicine, Chiang Mai University, prioritized the application of 5G technology for the hospital to upgrade its healthcare services corresponding to the government’s policy, with an emphasis on technological development for a better service delivery.



Currently, Maharaj Nakorn Chiang Mai Hospital is applying the 5G technology for medical services e.g. consultation and treatment through a smart ambulance that can transmit real-time pictures and sounds to the Coordination Center in the hospital in connection with mobile phones of specialists to enable them to monitor and observe the patient symptoms at all times. Besides, it can send essential data e.g. vital signs and electrocardiogram to doctors promptly to provide a timely and close-mannered treatment to patients.

An application of 5G technology can precisely identify the location of an ambulance to monitor a patient transfer and significantly reduce medical complications, including mortality rates from emergency conditions. Maharaj Nakorn Chiang Mai Hospital is committed to its ongoing development of healthcare services towards “A Trustworthy Medical School” under the concepts of MED CMU aimed to upgrade human well-being in a sustainable way and serve as an international learning center.

Source: <https://www.cmu.ac.th/th/article/b9efea78-d96c-4bfc-8b9e-a4eb3939cc61>



## Higher Education Sandbox for Manpower Production in “Semiconductor and Advanced Electronics”

Assistant Professor Todsaporn Pichaiya, Vice President of Chiang Mai University, welcomed participants in the Sandbox Program for Manpower Production in Semiconductor and Advanced Electronics. This event was presided over by Prof.Dr.Supachai Pathumnakul, Deputy Permanent Secretary for Higher Education, Science, Research and Innovation, along with Dr.Sampan Silapanad, President of Thai Association for Cooperative Education, who jointly announced the project goals.

In fact, this project was under the collaboration of the Ministry of Higher Education, Science, Research and Innovation (MHESI), the Office of National Higher Education Science Research and Innovation Policy Council (NXPO), and 13 Higher Education Networks, including other 7 leading companies in the industry of semiconductor and advanced electronics e.g. Analog Devices, Delta Electronics, HANA Microelectronics, HANA Semiconductor, Infineon Technologies, PTT, and Silicon Craft Technology.

With aims to develop manpower in response to the demand in this industry in the short, medium, and long terms, the project is therefore implemented in two phases: Phase 1 for Special Cooperative Education Program (COOP+) in 2023 and Phase 2 for Higher Education Sandbox Development in 2024. It is expected to enhance the competitiveness in the industry and attract more foreign investment.

Source: <https://www.cmu.ac.th/th/article/8b03f0b9-ecde-42cd-9052-f967808774b3>

## “CMU-DonePorDee” Makes International Debut with Awards at WorldInvent Singapore 22+23 (WoSG) in Singapore

Between 4-6 September 2023, Professor Dr.Nipon Theera-Umpon, Director of the CMU Biomedical Engineering Institute (BMEI), participated in the World Invent Singapore 22+23 (WoSG) at D’Marquee, Downtown East, Singapore, and won a silver medal and a special prize from the Kingdom of Saudi Arabia for the innovation ‘CMU-DonePorDee - Help Cleft Patients with Innovative Stents’, collaboratively invented by specialists from several organizations.



CMU-DonePorDee is designed to help children with cleft lip and cleft palate by preserving the normal nasal structure of the patients during a recovery after surgery through the developed 3-dimensional scanning and printing technology.

During the past four years of its development, more than 2,000 pieces have been given to child patients free of charge. Meanwhile, the production process receives the ongoing development to allow patients to obtain it within the same day of treatment. A follow-up is done either by phone or by online contact for a full recovery.

This ongoing project with the collaboration of BMEI, Faculty of Dentistry, and Faculty of Medicine helps to return a normal nose structure to child patients in an effective fashion.

Source: <https://www.cmu.ac.th/th/article/9a8a9295-dd05-461b-a61b-1068682a8cbc>



# SDG10



## Reduce Inequalities



👉👈👉👈👉👈👉👈?

👉👈👉👈

เรียนออนไลน์ **ฟรี**

### ภาษามือเบื้องต้น Introduction to Sign Language



เปิดรับสมัคร **วันนี้ ถึง**  
1 มีนาคม 2568





## The 'Friends for Friends' Project in 2023

The Project of "Friends for Friends" in 2023 was arranged by the cooperation of Disability Support Services (DSS), Student Development Division, Chiang Mai University, Student Union of Faculty of Dentistry, Faculty of Associated Medical Sciences, and Faculty of Nursing, on Saturday 17, February, 2024 at the Faculty of Dentistry. It was aimed to promote dental students, associated medical sciences' students, nursing students, students with disabilities, lecturers, and relevant staff to apply the knowledge for diagnoses, activity designs for health promotion, and counseling services for dental care to students with disabilities in a proper manner. It was also to build a society for living together and good relationship between those students.

Source: <https://www.cmu.ac.th/th/article/47aa0839-4939-4d55-8aee-76824f76c07c>

## Cataract Surgery Campaign for Patients at Mae Sot Border by Suan Dok Eye Doctors

A team of ophthalmologists from Maharaj Nakorn Chiang Mai Hospital in collaboration with Mae Sot Hospital and Tak Provincial Public Health Office arranged the 4th Fah Suay Ta Sai at the Borderland Project by providing cataract surgery to more than 100 cataract patients at the border of Mae Sot in honor of Her Majesty Queen Sirikit.

According to Assoc.Prof.Direk Patikulsila, M.D., Head of Ophthalmology Department, Faculty of Medicine, Chiang Mai University, this campaign was extremely essential because patients did not receive a continuous treatment during the outbreak of Covid-19, causing blindness among numerous patients. This campaign received support from hospitals and medical supply companies.

Thailand encounters the cataract problem, particularly in the elderly, along with a great number of cataract patients up to 100,000 patients per year waiting for surgery. This implementation is considered an attempt to reduce the waiting time for surgery and increase access to surgical services for patients in a remote area.

A surgical team is pleased to help patients regain sight after living a difficult life. This project not only helps treat the patients but also inspires ophthalmology residents to provide care to the prospective patients.



Source: <https://www.cmu.ac.th/th/article/>



## “Introduction to Sign Language” by CMU Lifelong

This curriculum is available for online learning on the websites of ‘CMU Lifelong Education’ and CMU MOOC through a simple learning process, without any training fees. Learners can access to the training video about 1 hour and 16 minutes. One hour per week for learning is recommended.

The target group of this curriculum includes school students, university students, and people in general. It is aimed to help learners understand the meanings and characteristics of Thai sign language, including alphabets, words, and fundamental contexts for effective and confident communication.



Source: <https://mooc.cmu.ac.th/th/course/64302682-6852-4f8c-8f37-a9c-181d8e607>



## CMU Admission Camp (DSS CMU)

Disability Support Services (DSS), Student Development Division, Chiang Mai University, in conjunction with students with a hearing impairment, Faculty of Fine Arts, Chiang Mai University, organized the CMU Admission Camp for students with a hearing impairment on 7 November 2023 at Anusarnsunthorn School for the Deaf in Chiang Mai. This project aimed to prepare students to study at the Faculty of Fine Arts through TCAS Round 1 (Portfolio) and enable them to learn the working process and practice in the fields of their interest available in the Faculty of Fine Arts: Printmaking, Sculpture, Painting, and Thai Arts. This event actually provided an educational opportunity to students with disabilities.

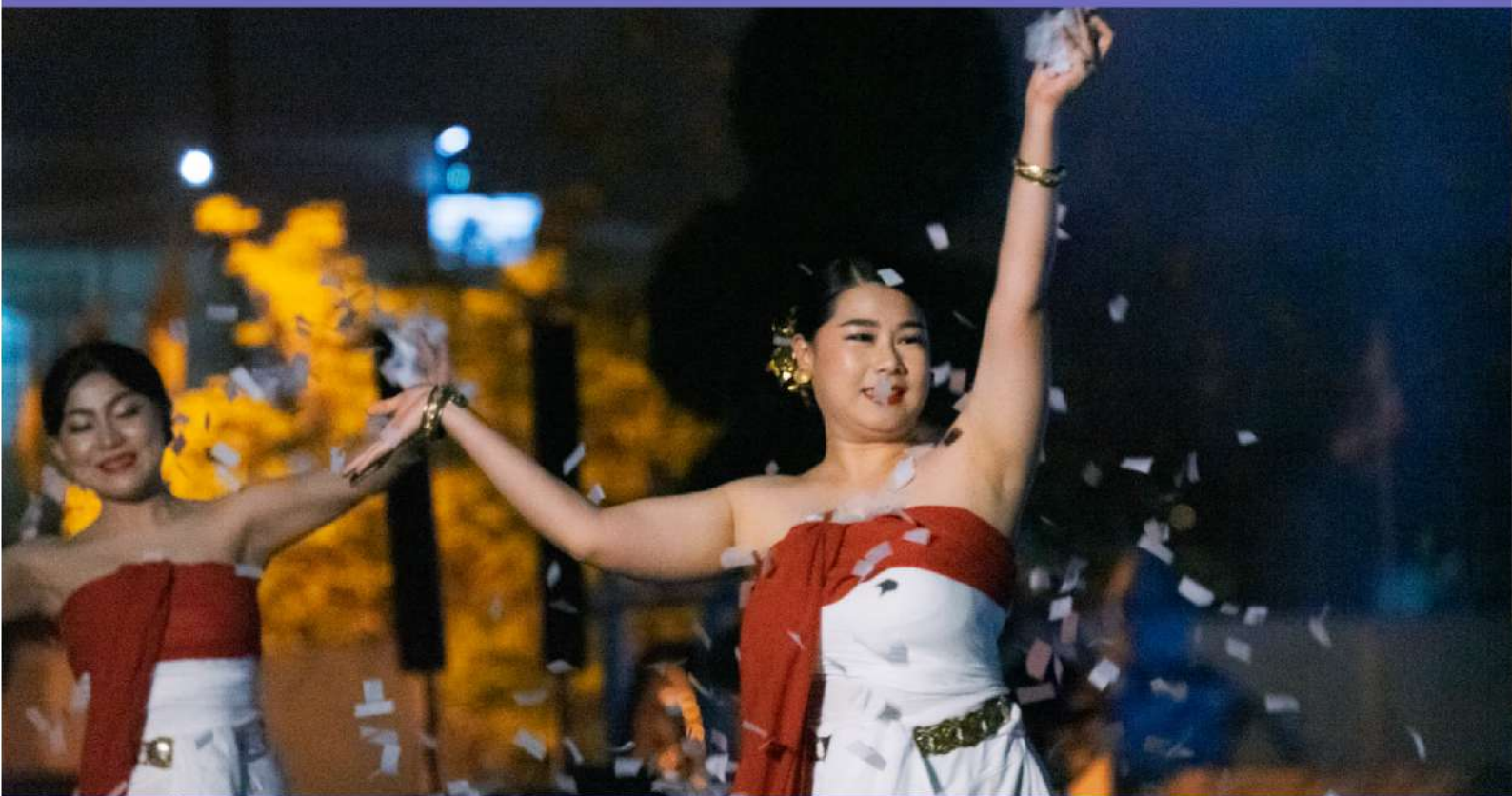
Source: <https://www.facebook.com/share/p/15Yhg8cN4X/>

# SDG11



## Sustainable Cities & Communities

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## CMU Drives Chiang Mai's Growth as a 'City of Life' Pioneering Medical & Wellness Tourism for Health Enthusiasts

Chiang Mai University plays a pivotal role in the 20-year development plan (2023-2042) of Chiang Mai, aiming to establish it as a “City of Life and Prosperity” grounded in fairness and sustainability. Supported by its academic expertise, CMU is driving medical and wellness tourism to transform Chiang Mai into a “Wellness City,” promoting both local economic growth and quality of life.

Under its CMU BCG Platform, the university's efforts are structured around three key areas: Medicopolis, Biopolis, and Creative Lanna. Medicopolis focuses on developing Chiang Mai as an international health hub by upgrading healthcare facilities, such as the Active Aging Center and the Center of Medical Excellence.

Biopolis aims to balance economic growth with natural resource conservation, exemplified by initiatives like Gastronomy Tourism, which celebrates Lanna culinary culture. Creative Lanna is dedicated to preserving and innovating upon Lanna culture through community engagement activities.

Additionally, CMU is working to become a “Sustainable Smart Campus,” with a commitment to carbon neutrality. This initiative seeks to harmonize economic and environmental interests while promoting sustainable growth within the local community.

Source: <https://www.cmu.ac.th/th/article/e2c10f70-de0f-498c-b4d8-e36671fbda85>



## CMU Hosted the Creative Lanna Festival and Night Museum for the first time

The Creative Lanna Festival 2023 took place from December 8–10, 2023, from 10:00 a.m. to 9:00 p.m. at the Lanna Traditional House Museum at Chiang Mai University. The event aims to establish a Creative District and promote a unique brand through Chiang Mai's 9th annual City Design Festival, setting Chiang Mai as a premier destination for seasonal festivals.

Led by CMU's Office of Arts and Culture Promotion and Creative Lanna, this festival aspires to become a future annual event, providing a platform for exchanging knowledge and experiences of Lanna culture. Featuring the theme “Northern Lights,” the festival will narrate Lanna's past and present through light, sound, and various activities.

The event will feature cultural diversities, which include exhibitions, seminars, contemporary performances, and creative experiences, including a Projection Mapping showcase that animates Lanna architecture with stories of cultural heritage. Additionally, over 40 stalls will feature food and artisan products, while attendees can experience the Night Museum for the first time at the Lanna Traditional House Museum, free of charge for the entire three-day festival.

Source: <https://accl.cmu.ac.th/News/detail/2988>





## CMU's Dust-Free Dormitories for 2,700 Rooms Amidst PM 2.5 Pollution, with Mask Distribution and Clean Rooms

As air quality in Northern Thailand faces significant challenges, particularly from PM 2.5 pollution that impacts both short and long-term health, CMU has responded with the “Clean Air Innovation” project for its student dormitories. This includes dust-proof window screens and a WIFI-controlled clean air ventilationsystemin16buildings,totalingover2,700rooms,enabling real-time air quality monitoring around the clock.

CMU has also established Clean Rooms to provide a dust-free space for the university community during smog season and distributes PM 2.5 masks to students, allowing two masks per day

CMU has also established Clean Rooms to provide a dust-free space for the university community during smog season and distributes PM 2.5 masks to students, allowing two masks per day via QR code scanning.

Playing a crucial role in the region’s fight against smog, CMU combines research with partnerships from public and private entities to spread awareness and educate the public on the impact of air pollution. The CMU Mobile app also offers air quality tracking, while the CMU MASK SMART MACHINE distributes masks conveniently to all students ad university staffs across campus.

CMU’s Line Official Account “Air Quality by CMU” also provides timely updates on PM 2.5 levels, especially vital during smog season from January to April.

Source: <https://www.cmu.ac.th/th/article/df601bc6-da04-4b87-88f4-4194fef8d27b>



## Light Up at Wiang Kum Kam by CAMT Faculty and the Faculty of Architecture

Dr. Sumet Yodkaew from CMU’s College of Arts, Media, and Technology has joined forces with the CMU Faculty of Architecture, the Tourism Authority of Thailand (Chiang Mai office), and Tha Wang Tan Municipality to host “Amazing Chiang Mai Light Up at Wiang Kum Kam.” Themed “Echoes of Ancient Kum Kam,” the event showcases the history and importance of the ancient city through LASER BEAM and DIGITAL MAPPING multimedia.

The display, held at Wat Chedi Liam, is divided into five themes, covering the founding of Wiang Kum Kam, its natural abundance, its role as a Buddhist center, the historical floods, and ongoing efforts to revive its heritage in a modern context.

With the involvement of Chiang Mai’s Vice Governor Weerapong Ritrod, the event draws both public and private stakeholders, as well as a lot of tourists, as part of the 2024 Songkran celebrations. The event aims to support creative economies and sustainable tourism in Chiang Mai. The light display was held from April 6–8, 2024, at Wat Chedi Liam in Saraphi district, Chiang Mai.

Source: <https://www.cmu.ac.th/th/article/710974df-5f9c-4728-a9cd-7003e0d8a33c>



# SDG12



## Responsible Consumption & Reproduction



**CMU**  
CHIANG MAI UNIVERSITY

**รวมพลัง**

ชาวมช. ร่วมใจทำให้

กิจกรรมรณรงค์ขึ้นคอยปีนี้ ได้รับรอง

“ความเป็นกลางทางคาร์บอน”





## CMU Hosts Carbon Reduction Activities: CMU Trekking 2023

Chiang Mai University hosted CMU Trekking 2023 through 4 main activities: 1) Reuse, using the same shirt for various activities to reduce greenhouse gases from production; 2) Care, using biodegradable packages and supporting beverages in the recycled containers; 3) Reduce, eating the food without leftovers and pouring water before throwing out food to reduce contamination and facilitate GHG management from landfills; and 4) Zero Waste, sorting the waste at the source to enable effective garbage management at the disposal destination. These measures through CMU Trekking 2023 successfully resulted in zero waste of GHG emissions in accordance with the set-out activity goals.

Source: <https://netzero.cmu.ac.th/web/?p=3417>

## Energy from Proper Waste Management at Chiang Mai University

The CMU Energy Research and Development Institute Nakorping (ERDI) has provided the knowledge for different types of waste management with an emphasis on everyone's duty and waste sorting at the source. In fact, there are 4 types of waste management: 1) compostable or organic waste; 2) recyclable waste e.g. glass, paper, and metal; 3) hazardous waste or waste contaminated with hazards e.g. toxin, biological agent or gene-changing agent, radioactivity-related object, corrosive substances e.g. light bulb, battery, spray can; 4) general waste or other types of waste, excluding compostable waste, recyclable waste, and hazardous waste, which are hard to break down or not worth recycling e.g. a package of snack and a foam box. Such waste then requires proper disposal methods as guided by CMU ERDI, an agency with systematic waste management and waste-to-energy conversion.

Source: <https://www.facebook.com/share/p/VA63HC3JY8ZRWTi/>







## CMU Ensures Sustainable Consumption and Production Patterns through Green Kitchen to Green Farm

The Faculty of Engineering, Chiang Mai University, has introduced the Project of Surveillance System Development for Agricultural Chemicals through Detection of Pesticide Residues in Vegetables for Well-being of Thai People under the support of Thai Health Promotion Foundation (Thai Health). This project is collaboratively operated by the networked schools in Chiang Mai and Lamphun Provinces along with other 14 networked farmer groups. Between 2021-2022, vegetables in Chiang Mai were found to have contaminated with some pesticide residues classified as organophosphates, carbamates, pyrethroids, and waste-to-energy conversion substances from proper waste management within the campus.

Accordingly, it is the beginning of Green Farm Project to enhance the capability of self-reliance among the consumers, develop food literacy for nearby sources of organic food supply chains in their community, select and purchase food with proper nutrition, and grow safe vegetables. To enable farmers of organic vegetables to find the markets, restaurants, hotels, schools, and consumers with aims to promote safe food in the communities in Chiang Mai, more than 70 farmer groups are encouraged to participate in this project and serve as the backyard garden for communities and markets. It is also to drive and build a safe food chain from farmers to consumers, distribute a variety of food, and ensure food security at household and community levels through a sustainable food system to the public and vulnerable persons in Chiang Mai. Additionally, the Green Kitchen Project is initiated as an intermediary to supply raw materials from farmers in the Green Farm Network. Accordingly, 43 farmers out of 100 farmers are selected to convert their existing vegetables into organic ones. The implementation under this project is regarded as a planning integration for sustainable food sources.

Source: <https://greentopia-cnx.eng.cmu.ac.th/>

# SDG13



# Climate Action



ศูนย์บัญชาการป้องกันและแก้ไขภัยพิบัติ  
และหมอกควันจังหวัดเชียงใหม่







## Chiang Mai Exchanges Ideas on Forest Fire Management Using the Fire D System at Provincial and Local Levels

Chiang Mai University participated in exchanging guidelines on developing decision-making systems for open-space fire management using the Fire D system at both provincial and local levels. This event took place at the Chiang Mai Forest Fire, Haze, and PM2.5 Fine Dust Prevention and Control Command Center, as well as in the forest fire management area of Chom Thong District, Chiang Mai.

The key topics exchanged included forest fire management in conservation areas, the systems and operational processes of the Fire D system, essential aspects of transferring forest fire control missions, lessons and suggestions from the Chiang Mai Model, conflict reduction in forest fire management, and preparing local administrative organizations for forest fire management. The most crucial element is the cooperation of local communities, government agencies, civil society, and the private sector in managing fuel efficiently, which may help alleviate the smog and forest fire problems.

Source: <https://thecitizen.plus/node/71416>

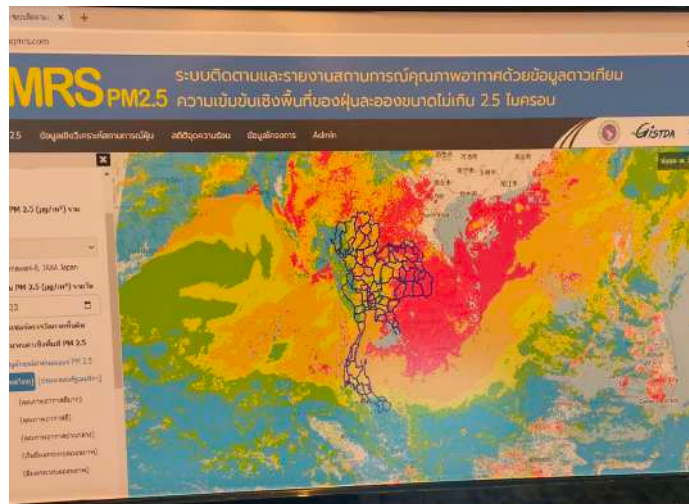
### Fire D

Assistant Professor Dr. Chakrit Chotiamornsak from Chiang Mai University's Academic Working Group to Support the Resolution of Haze Problems, joined the forum to discuss fire usage and guidelines for preparing a spatial fire management plan, exchanged knowledge on fire usage and the direction of the Fire D application fire management in 2024. He also served as a special speaker on the topic "Fire D application fire management support system"



The Fire D system is a system that supports decision-making in fuel management. People must register through the Subdistrict Administrative Organization or Municipality to request only necessary fire. The Fire D system has developed a system that integrates measurement data, satellite imagery, and air quality forecasting models to cope with climate change, especially the use of fire in deciduous forest areas, and guidelines for the preparation of a management plan for actual implementation in the area in 2024 between academic groups, public groups, and policy-making agencies at the Chiang Mai provincial level.

Source: <https://www.facebook.com/AcAirC-MU/posts/pfbid02hAkdw7Rqt3xRhwXTXindH->



## The Thai Health Promotion Foundation (ThaiHealth) joins hands with GISTNORTH CMU, and networks from all sectors to step forward in coordinating the power of local networks for knowing-accepting-adapting (Resilience) from PM2.5 fine dust hazards in the northern region

The Geo-Informatics and Space Technology Regional Center, Northern Region (GISTNORTH), Faculty of Social Sciences, Chiang Mai University, in collaboration with the Health Promotion Foundation (ThaiHealth), organized the event titled "Academic Forum to Integrate Local Networks for knowing-accepting-adapting (Resilience) from PM2.5 fine dust hazards in the northern region".

The event featured an academic forum titled "Joining Forces to Drive the Resolution of PM2.5 Dust Problems in Thai Society", including: 1. The situation of PM2.5 dust problems in the North and transboundary haze issues, 2. Guidelines for managing PM2.5 dust problems in the North, 3. Laws and policies for solving PM2.5 dust problems, and a special lecture on "The Impact of PM2.5 Dust Problems".

In addition, the GISTNORTH Center has collected data from pilot areas in 12 local administrative organizations (LAOs) in the North to study and learn about both disaster-affected areas and without-impacted areas but affected. Based on this data, six modules have been developed for further expansion:

Module 1: Provides general knowledge about the Air Quality Index (AQI), explains what PM2.5 dust is, its sources, and its health, economic, social, and environmental impacts. It also covers the AQI in Thailand and the United States, along with guidelines for proper conduct.

Module 2: AQMRS online map web application, providing near real-time (hourly-daily) PM2.5 dust concentration monitoring, hotspots separated by land use type, and dust statistics and hotspots in retrospect.

Module 3: Dust masks, dust protection efficiency levels of different types of masks, correct mask-wearing procedures, and sewing reusable dust masks.

Module 4: Dust-free rooms and dust-proof nets - target groups, work processes, materials and equipment, steps, and maintenance.

Module 5: Forest fire management, forest firefighting techniques, forest firefighting equipment and maintenance, and first aid.

Module 6: Management of Agricultural Waste Materials and Household Waste. Agricultural waste materials (sugarcane - promoting fresh sugarcane cutting and not burning sugarcane leaves / rice - compressed straw and covered plowing / corn - biomass fuel) and household waste (non-turning compost / Eco-friendly compost bin "Green Cone").

Source: [https://www.fm100cmu.com/activitydetail.php?acmain\\_id=1&act\\_id=2580](https://www.fm100cmu.com/activitydetail.php?acmain_id=1&act_id=2580)



# SDG14

14 LIFE BELOW WATER



# Life Below Water

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## Strengthen conservation management and research for both in-situ (on-site) and ex-situ (off-site) animal species

The Faculty of Veterinary Medicine at Chiang Mai University, in collaboration with the Zoological Park Organization of Thailand under Royal Patronage, signed a memorandum of understanding to enhance academic cooperation and strengthen the management of animal conservation and research, both in-situ and ex-situ, in the benefit of research development, academic services, personnel development, and information systems development, as well as educational development, and also increase experience for veterinary students in addressing health issues. Wildlife conservation in both natural habitats and zoos.

Source: <https://cmu.ac.th/th/article/6592d856-e194-4758-adc2-78687f05481c>



## Water Politics and Water Governance in the Mekong Countries

The seminar on Water Politics and Water Governance in Greater Mekong Sub-region Countries was attended by a total of 71 participants, including senior and new-generation scholars, international NGOs experienced in researching changes in the Mekong and Salween Rivers, and representatives from international organizations involved in water governance, from Cambodia, Vietnam, the Lao People's Democratic Republic, the Philippines, Myanmar, Australia, the United States, France, Singapore, and Thailand.

The important points of exchange are:

- Water Politics and Water Governance in the Mekong Sub-region
- Hydro Sociology Concept
- The Role of MRC, Environmental Justice and Large-Scale Development Projects
- Local Knowledge and Food Security
- Women and Ethnic Groups in Water Governance
- Business and Human Rights in Transboundary Water Management
- The impact of sediment accumulation on local lifestyles
- Exchange and Presentation of Research on Transboundary Civil Society Networks
- Discussion on research methodology to strengthen local power in water governance

Source: [https://www.facebook.com/cesdcmu.2009/posts/pfbid02EGF6wu4nenvNvtStCM79QX-U8FfujnSpJHT64e4eukyot7VqtR5J8na2LMrQAsQi3I?\\_rdr](https://www.facebook.com/cesdcmu.2009/posts/pfbid02EGF6wu4nenvNvtStCM79QX-U8FfujnSpJHT64e4eukyot7VqtR5J8na2LMrQAsQi3I?_rdr)





# SDG15



# Life on Land

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## Restoring the headwater forests by following the footsteps of His Majesty the King

The Rajapruek Institute Foundation, in collaboration with the Doi Suthep Nature Center, the Forest Restoration Research Unit (FORRU) at the Faculty of Science, Chiang Mai University, and the Nong Hoi Royal Project, organized a 10-rai forest restoration activity. They planted 2,260 seedlings under the project “Rehabilitating the Headwater Forest Following the King’s Footsteps, Mon Cham Forest Restoration Plot 2023-2024”, which involved 300 volunteers, including officers, pupils, students, the general public, executives, and staff from Le Meridien Chiang Mai Hotel, as well as local residents, who learned the steps of forest restoration using structural tree species through hands-on practice. Together, they planted 27 species of local plants native to northern Thailand,

such as *Diospyros glandulosa* Lace (Kluai-Ruesi), Soap nut tree (Ma-Sak), Callery pear (Sa-Li-Nok), *Hovenia dulcis* (Mon-Hin), *Parkia timoriana* (Ka-Riang), *Azadirachta excelsa* (Jack) Jacobs (Sa-Dao-Chang), Indian gooseberry (Ma-Kham-Pom), *Antidesma sootepense* Craib (Ma-Mao-Sai), Annatto Tree (Kham-Saed), *Quercus kerrii* (Ko-Ta-Mu-Luang), Lime Berry (Hus-Sa-khun), *Toona ciliata* (Yom-Hom), *Adenanthera microsperma* (Ma-Klam-Ta-Kai), Cowa (Cha-Muang), *Artocarpus lacucha* (Haad), *Nyssa javanica* (Blume) Wangerin (Khang-Khaak), *Heynea trijuga* Roxb (Ta-Suea-Thung), *Canarium subulatum* Guillaumin (Ma-Kok-Klue), Pittosporaceae (Pak-Pai-Tan), *Ostodes paniculata* Blume (Ma-kang-Dong), Bignoniaceae (Kae-Hang-Kang), Citronella laurel (Juang-Hom), *Dalbergia cultrata* (Kam-Phi), *Syzygium claviflorum* (Wa-Khi-Kwang), Siamese pom-pom tree (Tong-Hom), *Erythrina subumbrans* (Thong-Lang-Pa), and *Bauhinia variegata* (Siew-Dok-Khao) at the Mon Jam Forest Restoration Plot in Mae Ram Subdistrict, Mae Rim District, Chiang Mai Province.

Source: <https://www.facebook.com/forestrestorationresearchunit/posts/pfbid021PnzM->





## From Doi Suthep Study to Doi Suthep Wittaya

Doi Suthep Wittaya is a body of knowledge that arises from the bond and desire to protect the land in all aspects, which has been collected and researched by teachers, researchers, and scholars over a long period.

Chiang Mai University established the Doi Suthep Nature Study Center with the aim of creating an academic center that utilizes knowledge and expertise to support activities related to Doi Suthep. The center emphasizes academic services, including permanent exhibitions, temporary exhibitions, a seed bank, and a section for services and activities for children and youth, along with a tourism service center where nature interpreters lead nature study trails.

Source: <https://ngthai.com/education/47869/doisuthep-school/>

## Knowledge of techniques for restoring degraded forests through the Framework Species Method (FSM)

Assoc. Prof. Dr. Stephen Elliott, Asst. Prof. Dr. Dia Panitnat Shannon, and Asst. Prof. Dr. Pimolrat Thiansa wasdi, from the Forest Restoration Research Unit (FORRU), Faculty of Science, Chiang Mai University (FORRU-CMU), jointly conducted a research study on the topic: The Framework Species Method: Harnessing Natural Regeneration to Restore Tropical Forest Ecosystems. The work was published in the journal Philosophical Transactions of the Royal Society B. This research describes the evolution of the Framework Species Method (FSM) and proposes a broader application concept that will help strengthen and support agencies worldwide to restore degraded forests into healthy tropical ecosystems. In addition to its role in mitigating climate change, FSM helps conserve biodiversity, supports upstream watershed services, provides forest product services, contributes to poverty reduction among people, and can respond to Sustainable Development Goals (SDGs) 1, 2, 6, 13, and 15.



Source: <https://www.cmu.ac.th/th/article/3c5a4853-02ca-4534-93bd-c3d8a798ad07>



# SDG16



## Peace, Justice & Strong Institution





## The New Generation Youth Project: Towards Becoming Global Citizens

The Faculty of Political Science and Public Administration at Chiang Mai University organized an activity to raise awareness of youth's role in the community through the “New Generation Youth Project towards Becoming Global Citizens.” This initiative is aimed at students from four schools in Chiang Mai Province, namely Mae Rim Wittayakhom School, San Pa Tong Wittayakhom School, Montfort College, and Prince Royal's College, under an academic collaboration agreement.

The project's objectives include promoting academic collaboration agreements between the Faculty of Political Science at Chiang Mai University, San Pa Tong Wittayakhom School, Mae Rim Wittayakhom School, Prince Royal's College, and Montfort College. It aims to foster relationships and create a network among students and teachers in Chiang Mai schools and faculty and students from the Faculty of Political Science at Chiang Mai University. Additionally, it seeks to create a learning environment focused on political science and activities that enhance analytical thinking and creativity. The event took place at the Faculty of Political Science at Chiang Mai University.

Source: <https://www.pol.cmu.ac.th/article/กิจกรรมคณะ/2023-12-25-095410.html>



## The activity “Gid-Tang-Jang-Ou”: Thinking And Speaking About Our Differences, Thailand Talks 2023

The Faculty of Political Science and Public Administration at Chiang Mai University organized the event “Thinking and Speaking about Our Differences” as part of Thailand Talks 2023. This is designed as a one-on-one, eye-to-eye, thought-to-thought exchange, allowing interested participants to pre-register and answer seven questions indicating their agreement or disagreement. The system then paired participants with either like-minded or opposing perspectives. Each participant had a chance to converse directly with their match, especially with those holding different views. The experience left participants delighted, as strangers became new friends. This space fostered attentive listening and understanding of others' diverse backgrounds and experiences that shape their unique perspectives. The initiative aims to nurture a culture of listening to differing opinions within Thai society, addressing political differences and generational gaps. At the very least, society

Source: Source: <https://theactive.net/news/social-movement-20231215/>



มหาวิทยาลัยเชียงใหม่ หนุนรณรงค์ส่งเสริมการมีส่วนร่วมทางการเมือง  
ด้วยการเปิดพื้นที่ศาลาอ่างแก้ว

ขอเชิญพบกับกิจกรรม

## "ปราศรัยนโยบายพรรคการเมือง"

ระหว่างวันที่ 25 เมษายน - 3 พฤษภาคม 2566  
เวลา 17.00 - 21.00 น. ณ ศาลาอ่างแก้ว มหาวิทยาลัยเชียงใหม่

\*รายชื่อพรรคการเมือง เป็นไปตามที่มีการแสดงความสนใจในการร่วมปราศรัย\*



## Chiang Mai University collaborates with the Election Commission to create a political innovation space for the 2023 election.

Chiang Mai University, in collaboration with the Chiang Mai Provincial Election Commission, created a platform for public education and encouraging voter turnout through two creative events held at the Chiang Mai University Auditorium. These included a political party policy presentation and a political policy discussion to thoroughly educate the public about the 2023 election. Additionally, Chiang Mai University, in partnership with a network of 12 higher education institutions in Chiang Mai, hosted a policy discussion event titled “The Choice Election 2023 @CMU.” This event allowed the political parties to present their visions, propose policies, and discuss solutions to issues in Chiang Mai, such as education and other topics of interest to students, with participation from students and the public.

Chiang Mai University has invited party leaders or individuals nominated by their parties to serve as Prime Minister candidates, or representatives from parties with MP candidates for Chiang Mai constituencies, to present their views. This initiative establishes Chiang Mai University as an institution that actively promotes access to justice within the community.

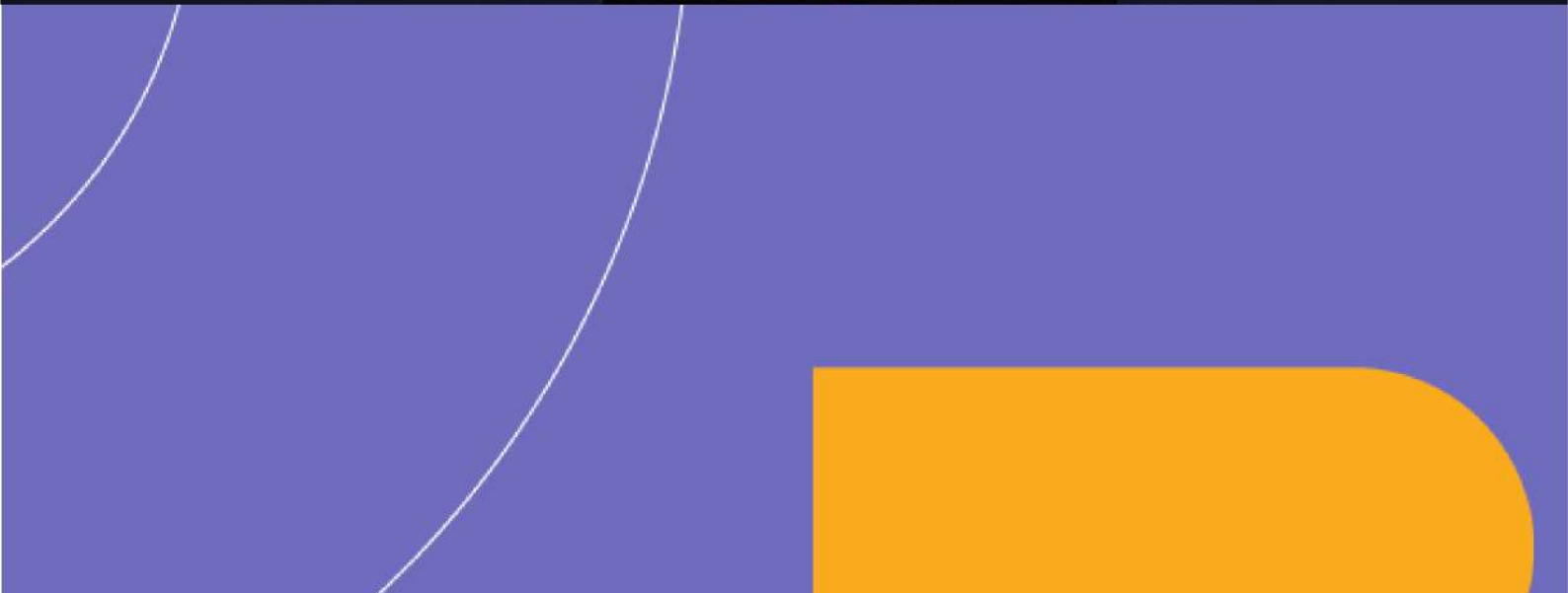
Source: <https://cmu.ac.th/th/article/3f3c569d-87f0-4ed6-a853->

# SDG17

17 PARTNERSHIPS  
FOR THE GOALS



# Partnerships For The Goals







**In collaboration with the Kasikorn Thai Foundation, Chiang Mai University is driving the Nan “Sandbox” Project to elevate medicinal plant cultivation. The project aims to improve the quality of life for Thai communities and promote a sustainable environment.**

On Monday, September 13, 2021, Chiang Mai University and the Kasikorn Thai Foundation signed a memorandum of academic cooperation. This collaboration, led by the Faculty of Pharmacy at Chiang Mai University, involves academic and research partnerships with K-Agro Innovate and the Kasikorn Thai Foundation to support the “Nan Sandbox” project. This pilot project aims to restore forest areas in Nan Province by allowing locals to coexist with the forest through a “special area management” model. The initiative is a joint effort by both public and private sectors to foster sustainable community development.

The project emphasizes the value of “medicinal plants,” leveraging the expertise of Chiang Mai University’s Faculty of Pharmacy in pharmaceutical research, medicinal herbs, dietary supplements, and cosmetics, which have earned national and international recognition.

With support from the Kasikorn Thai Foundation, the focus on analyzing and ensuring the quality of raw materials and herbal products will bring significant benefits. This collaboration will enhance the quality of life for farmers involved in the “Nan Sandbox” project by applying academic expertise to add value to medicinal plants and their derived products, particularly by targeting the development of herbal medicines. This initiative aims to establish an industry that fosters sustainable development and may serve as a model for expansion to other areas across Thailand.

Source: <https://sdgs.cmu.ac.th/th/ArticleDetail/a726c23d-0d62-493c-921c-78c3276f822c>



## The Faculty of Nursing at Chiang Mai University is the 203rd World Health Organization Collaborating Center (WHO CC 203), focusing on air pollution issues.

The Faculty of Nursing at Chiang Mai University has maintained an academic partnership with the World Health Organization (WHO) for over two decades, creating various manuals, research, and knowledge dissemination materials, deploying faculty experts as advisors, and developing curricula in nursing. The faculty also provides nursing and midwifery education for Southeast Asian countries and serves as a training center to build public health capacity for WHO scholarship recipients in areas such as Midwifery Education for Safe Motherhood, Elderly Care, and Community Nursing.

Due to this collaboration, the WHO designated the Faculty of Nursing at Chiang Mai University as the 203rd World Health Organization Collaborating Center for Nursing and Midwifery Development (WHO CC) on September 5, 2003. This designation has been renewed continuously to the present day.

The WHO Collaborating Center aims to advance nursing and midwifery in all aspects, including helping domestically and neighbouring Southeast Asian countries, serving as a training center in education, research, and collaboration in WHO activities, and offering advisory services to the WHO as needed by WHO Offices in various countries or regions. The center focuses on integrating evidence-based practices in nursing and midwifery, leading to best practices in clinical and midwifery care, as well as in nursing management and health promotion. This expands the faculty's scope of work, strengthening its academic expertise and outreach.

**Source:** <https://www.cmu.ac.th/th/article/c8103d7b-711b-4479-8b9f-bba217995bd1>





## Office of the Permanent Secretary (OPM) at Chiang Mai University drives a think tank for water management, establishing a ‘National Water Data Repository’ under the ‘Thachavidh’ project.

The Water Resources Information Institute (WRII), in collaboration with Chiang Mai University, organized a community meeting to gather opinions on advancing the “National Water Data Repository” under the Ministry of Higher Education, Science, Research and Innovation (MHESI) in Northern Thailand, held at the Vintree City Resort in Chiang Mai. The event included special lectures and exchanges of ideas to jointly drive the National Water Data Repository, addressing the needs and concerns of local communities. Participants included representatives from the Office of the Permanent Secretary of the Ministry, the National Water Resources Office (Region 1), local government organizations in Northern Thailand, community water management networks following the royal initiatives, water user organizations, and experts from the Ping, Wang, Yom, Nan, and Upper Mekong River Basin committees, as well as relevant local agencies.

This meeting occurred as part of the “Thachavidh” project, which aims to establish the “National Water Data Repository” in Northern Thailand as the first regional think tank for water management in Thailand. The repository will serve as a central academic resource for localized water management, allowing all sectors to access information, collaborate in analyzing, and develop relevant spatial data for practical applications using science and technology to address water issues during regular crises. It promotes integrated water management involving the government, universities, and communities, starting with eight provinces in Upper Northern Thailand: Chiang Mai, Chiang Rai, Lamphun, Phrae, Lampang, Nan, Phayao, and Mae Hong Son. The initiative aims to generate policy recommendations for expanding efforts to other regions across the country, achieving sustainable water resource management in line with the principles established by King Rama IX: “Understand, Access, Develop.” This approach aims to create a balance among economic, social, and community ways of life in a sustainable manner.

Source: [www.hii.or.th/ข่าวประชาสัมพันธ์/รวมข่าวสถาบันสารสนเทศ/2023/10/26/อว-สน-มช-ขับเคลื่อนคลัง/](http://www.hii.or.th/ข่าวประชาสัมพันธ์/รวมข่าวสถาบันสารสนเทศ/2023/10/26/อว-สน-มช-ขับเคลื่อนคลัง/)



## FRAME—Forests, Climate Change Mitigation & Adaptation: Mekong Region Higher Education

The FRAME project is a collaboration among six universities in Europe (University of Helsinki and Czech University of Life Sciences Prague) and Southeast Asia (Souphanouvong University and Savannakhet University in Laos, Kasetsart University, and Chiang Mai University), funded by the European Union's Erasmus + program.

This initiative aims to enhance the capacity for sustainable forest management and restoration in Laos and Thailand by strengthening higher education related to forestry. This includes developing various teaching and learning tools (including online teaching) and training instructors. The project's goal is to increase graduates' employability by promoting internships and aligning curriculum content with the needs of the countries, enabling graduates to become leaders and contributors to national development through global objectives, such as the United Nations Sustainable Development Goals, the Paris Agreement on climate change, and the Bonn Challenge.

Furthermore, this project aims to foster cooperation between developed countries (the European Union) and developing countries (Southeast Asia), as well as among developing countries themselves (Laos and Thailand).

The Forest Restoration Research Unit at Chiang Mai University has updated undergraduate courses and established a master's program in forest restoration science within the Department of Biology, Faculty of Science. It also offers online courses with certification open to the public. Additionally, the research unit has improved its curriculum to provide students with hands-on experience in forest restoration, offering opportunities for interested individuals and students from Thailand and Laos. Social media is utilized to disseminate information about the project.

Moreover, the Forest Restoration Research Unit at Chiang Mai University, in collaboration with Souphanouvong University, has established a learning center for forest restoration in the Lao People's Democratic Republic and launched a master's program. The research unit supports seedling nurseries and fieldwork.

**Source:** <https://www.forru.org/th/projects/frame%E2%80%94forests-climate-change-mitigation-adaptation-mekong-region-higher-education>





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