

Sustainable Development Goals Report 2024



CONTENTS

Message from the President	5
NIDA’s SDGs Strategic Plan (2022-2025)	6
NIDA Core Values	7
SDG 1 No Poverty	8
SDG 2 Zero Hunger	12
SDG 3 Good Health and Well-being	15
SDG 4 Quality Education	18
SDG 5 Gender Equality	21
SDG 6 Clean Water and Sanitation	25
SDG 7 Affordable and Clean Energy	28
SDG 8 Decent Work and Economic Growth	31
SDG 9 Industry, Innovation and Infrastructure	34
SDG 10 Reduced Inequality	37
SDG 11 Sustainable Cities and Communities	40
SDG 12 Responsible Consumption and Production	43
SDG 13 Climate Action	46
SDG 14 Life below Water	49
SDG 15 Life on Land	51
SDG 16 Peace, Justice and Strong Institutions	54
SDG 17 Partnerships for the Goals	58



A vibrant garden scene with several trees bearing bright yellow flowers. In the foreground, there is a low wall with a row of yellow flowers. A sign is mounted on the wall, displaying the text 'SDG for Sustainable Development'. The background is filled with more trees and foliage under a clear blue sky.

SDG for Sustainable Development



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MESSAGE FROM THE **PRESIDENT**

I am proud to present NIDA's 3rd SDG Impact Rankings Report, which aligns with the institute's philosophy, "Wisdom for Sustainable Development," adopted in 2022. We also developed the 2022-2024 policy framework to guide our sustainable development efforts, focusing on eight Sustainable Development Goals (SDGs) as core aspects of our operations. As for this year's SDG Report, I am thrilled to highlight our new and significant activities undertaken in the spirit of sustainable development, aiming to strengthen both our institute and the broader community and society.



To begin with, NIDA provides a foundational course for all graduate students to instill in them the sustainable development values, specifically SDG Leadership, Glocal Citizenship, and AI and Digital Technology Literacy. Additionally, we establish NIDA's new core values distilled into the acronym "WISE" standing for Wisdom, Integrity, Sustainable Impacts, and Empathy. We intend to embed these core values throughout the institution and nurture them within our faculty, staff, students, and alumni.

This year, especially, the NIDA community joined forces to upgrade the Sikhio Education Center in Sikhio District, Nakhon Ratchasima Province, located in northeastern Thailand, about two hours from Bangkok. NIDA utilized this facility for over 30 years to expand educational opportunities for the surrounding local community. However, during the COVID-19 pandemic, the local administration requested to use this place as a temporary field hospital for COVID patients.

After the pandemic, the institute restored and renovated the center for educational and training purposes, particularly for local leaders and administrators. The facility will serve as a learning space for the local community under the "NIDA for All" program and as an important social lab for northeastern Thailand. Notably, the area surrounding the Sikhio Education Center is also home to three UNESCO World Heritage Sites: Khao Yai National Park, GeoPark Korat, and the Sakaerat Environmental Research Station.

NIDA eagerly anticipates the full completion of the Sikhio Education Center campus by 2025, followed by a series of impactful projects related to sustainable development. We look forward to engaging the local community to ensure their active contribution to advancing sustainable development alongside us.



Professor Tippawan Lorsuwanarat
President

NIDA's SDGs

Strategic Plan

2022-2025

Vision

To be a global university that cultivates society's wisdom and produces leaders to achieve sustainable development goals.

Philosophy

Wisdom for Sustainable Development

Missions (SDG 1-17)

Wisdom for Sustainable Development (RESEARCH)

Generate knowledge through leading-edge and high-impact research to best benefit society.

Social Contribution (COMMUNITY OUTREACH/ENGAGEMENT)

Foster collaboration and engagement for the betterment of community and society.

Future Agents of Change (TEACHING & LEARNING)

Generate knowledge through leading-edge and high-impact research to best benefit society.

Direction and Guidance (POLICY)

Establish guiding principles to uphold the institute's philosophy.

Best Practices for Societal Impacts (OPERATION)

Promote sustainable actions and practices that align with 'Wisdom for Sustainable Development' to foster positive societal impacts.

Strategies

Balance global insights and local wisdom

- Motivate faculties to publish papers in international journals (Q1-Q3).
- Support faculty members whose research has a beneficial impact on the social development.

Self-directed learning & lifelong learning

- Future change agent who are both national & global citizens.
- Provide fundamental courses for all regular program students to study sustainability and sufficiency economy.
- Provide master's and doctoral programs related to SDGs.
- Open access to education with financial aid for low-income students
- Collaborate with other international universities.

NIDA for All

Integrate cross-disciplinary disciplines to develop impoverished provincial areas by using NIDA's educational regional centers as hubs with collaboration with faculty members, students, alumni, communities, local government, local people, and other sectors

NIDA Impacts

Analyze research projects and make them easily accessible to policy makers, public and private agencies.

Drivers

Organization & People (SDG 3, 5, 8, 10, 11)

- Become a more adept and transparent organization in the recruitment and retention of a knowledgeable and skilled workforce.
- Create a healthy university which supports engagement of all generations to have solidarity in transforming the university in the direction of sustainable development.
- Generate the policy that ends discrimination and reduces inequalities in the university

Open Governance (SDG 12, 16, 17)

- Promote transparent governance, public participation, and accountability.
- No gift policy.
- Improve an efficient resource and energy utilization system.
- Ensure that a complaint handling process is fair and efficient.
- Meet with NIDA stakeholders to inform the key policies and performance.
- Collaborate with other international and local universities, together with the government, civil society, and the private sector.

WISE

NIDA Core Values

NIDA proudly introduces its new core values, developed through extensive discussions within our community, including the university council, administrators, faculty, staff, and students. These values, collectively known as “WISE,” represent the essence of NIDA’s identity. WISE stands for Wisdom, Integrity, Sustainable Impacts, and Empathy. This set of values is entrusted to our Master’s and Doctoral graduates, who serve as NIDA’s change agents.

Wisdom

Wisdom encompasses organized knowledge, lifelong learning, critical thinking, and insightful understanding, all of which enable individuals to address complex challenges. For instance, a Thai student participating in the Intel International Science and Engineering Fair (Intel ISEF) in the fields of Science and Engineering won the Grand Prize in the United States multiple times. This prestigious competition draws nearly two thousand participants annually, including many from Thailand, who present innovative projects driven by curiosity about the environment. Among these projects are studies such as observing stick insect behavior, exploring the germination of inclined sunflower seeds, analyzing leaf folding in mimosa plants, and examining the behavior of winged ants to improve survival rates and control aphid outbreaks (an award-winning project in 2023).

Let’s take the example of the mimosa leaf-folding project to illustrate the difference between knowledge and wisdom. Thai students explored how water droplets affect mimosa leaves at different heights. Through repeated experimentation, they acquired knowledge about the natural relationship between mimosa leaf-folding and seismic activity. By using this behavior to predict earthquake intensity and direction, their discovery demonstrated not only knowledge but also wisdom, contributing to the mitigation of seismic damage.

Integrity

Integrity involves honesty and a steadfast commitment to ethical principles, whether or not anyone is watching. A simple example is when a cashier mistakenly gives extra change during a purchase: even if no one notices, we are responsible for returning the excess. NIDA promotes integrity through initiatives such as the “Growing Good” project, run by the Center for Philanthropy and Civil Society. This project aims to instill integrity in younger generations, encouraging them to refrain from monopolizing benefits for themselves or their factions.

Sustainable Impacts

Sustainable impacts focus on achieving long-term benefits rather than short-term gains, with consideration for the well-being of future generations. When undertaking projects, it is crucial to ask how they can create enduring positive effects on society, the economy, and the environment. One example of NIDA’s commitment to sustainable impact is the Green Building project, which was designed to be energy and water-efficient, promote the health of its occupants, and reduce pollution. This building exemplifies environmental and social responsibility with innovations such as the Smog Vacuum Cleaner (a large air-purifying system) and solar energy-absorbing glass (Solar Glass).

Empathy

In a society marked by increasing diversity in thoughts, beliefs, interests, and needs, there is a heightened risk of discrimination and social crises. NIDA graduates are encouraged to engage in empathetic actions, which include listening actively to others, respecting differing perspectives, and embracing diversity. Empathy also involves ensuring equal access to services for marginalized groups, aligning with the leadership responsibilities of the new era, known as “Empathetic Leadership.”

In summary, WISE serves as a guiding framework for NIDA’s community, empowering us to apply wisdom for sustainable development, uphold integrity in all actions, and practice empathy toward others.

Cr: Facebook: Tippawan Lorsuwannarat, President



Educate the Public to Improve the Quality of Life and Escape Poverty

1 NO
POVERTY



OVERVIEW

NIDA recognizes its social responsibility in alleviating poverty within communities and society, particularly for the underprivileged, both within and outside the institution. NIDA has embraced the philosophy of Sufficiency Economy, inspired by Royal initiatives, as a guiding practice to address poverty among low-income individuals. This involves sharing knowledge with the public through various formats and collaborating with networks at the community, regional, and national levels. Moreover, it encourages faculty, researchers, and students to develop research that maximizes benefits for the country in a balanced and sustainable way.

RESEARCH/ FUNDING

Promoting sustainable development & sufficiency economy

The research project "Survey on the Status of Sustainable Development Goals in Thailand" was a collaboration between the Center for Sustainable Development and Sufficiency Economy Studies at NIDA and the United Nations Development Program (UNDP). The objective was to gather public opinions on the status of sustainable development goals across 15 target provinces with 6,000 surveyed individuals, aged 18 and above. This exploratory research sought to provide insights into the general information of the target participants, issues related to improving citizens' quality of life, gaps between public needs and government responses, and ways to enhance life quality. After the research project concluded, NIDA organized a forum discussing and sharing the findings with governmental and related organizations in the target provinces. The research results enabled the government to develop policies, prioritize citizens' needs, and improve the effectiveness of government operations. These results also serve as a guideline for promoting an understanding of SDG-related issues in these 15 target provinces that can be used to strategize and formulate policies for solving problems while serving as a reference for future SDG-related studies.

In addition, in 2023, NIDA conducted further research aligned with SDG 1 to improve the quality of life for citizens and society at the local, regional, and national levels. The research topics included household poverty and vulnerability, public policies for reducing inequality, the current fiscal status, social welfare programs, and modern economic development. This research aims for multidimensional sustainable development, drawing lessons from the Nong Yang Toi project (Pro-Poor Tourism), studies on household debt, development and sustainability to uplift rural livelihoods. A research example includes a case study on the elderly and household poverty in U-Thong Ancient City, Suphanburi Province.



COMMUNITY OUTREACH/ ENGAGEMENT

Enhancing the quality of life to achieve sustainability

Over the years, NIDA has consistently emphasized providing academic services to society to enhance the quality of life for communities, society, and the country to achieve sustainability. Key projects are as follows:

First, NIDA developed plans and initiatives to transform its Sikhio Campus into a hub for sustainable learning. This includes enhancing graduate-level education, developing skills and knowledge for leaders in both the public and private sectors, and promoting sustainable community and societal development. Initiatives include degree and short-term training programs. The former involves master's programs in tourism management, social development, and environmental management; the latter encompasses training programs such as workshops for local farmers on vetiver grass planting to create income (in collaboration with the Dental Innovation Foundation under Royal Patronage), training for community entrepreneurs to ensure sustainable income,



reduce the gap between business and social benefits (in collaboration with the YUNUS-NIDA Center), smart farming training with private sectors, and workshops to enhance the self-care and family-care capabilities of the elderly.



Second, NIDA held the academic seminar "AMM Forum" and had the honor of inviting Prime Minister Srettha Thavisin to deliver a keynote speech on "The Future of Thailand's Economy." He spoke about stimulating the economy in the mid and long term, establishing new foundations and infrastructure for developing a new economy, promoting the country's soft power, educational reform, and improving people's life quality in line with SDGs. He emphasized public participation in stimulating the economy, strengthening opportunities, and enhancing the nation's resilience in all dimensions. The government also prioritized immediate public involvement to assist various groups (e.g., farmers, traders, and SMEs) in terms of economic stimulus, cost-of-living reduction, and income enhancement to help them recover and resume business operations.

Third, the NIDA USR (University Social Responsibility) project is an initiative that demonstrates NIDA's commitment to community and social development by means of organizing seminars on "Building People, Society, and Environment," which aims to promote knowledge exchange, develop community products for income generation, and foster a sustainable society. NIDA has also raised funds, donated money, and provided necessities to organizations such as the Child Welfare Foundation in Pattaya, Chonburi Province, and the "Full Stomach, Full Heart" project.





Promote Sustainable Food Security

2 ZERO HUNGER



OVERVIEW

NIDA recognizes the importance of fostering social responsibility, support, and participation in economic and social development. This includes assisting vulnerable individuals who lack access to hygienic food. The institute encourages faculty, researchers, and students to develop research, and to disseminate knowledge to communities, as a way to empower vulnerable groups to become self-reliant and ultimately escape hunger sustainably.

RESEARCH/ FUNDING

Fostering food culture tourism & healthy eating

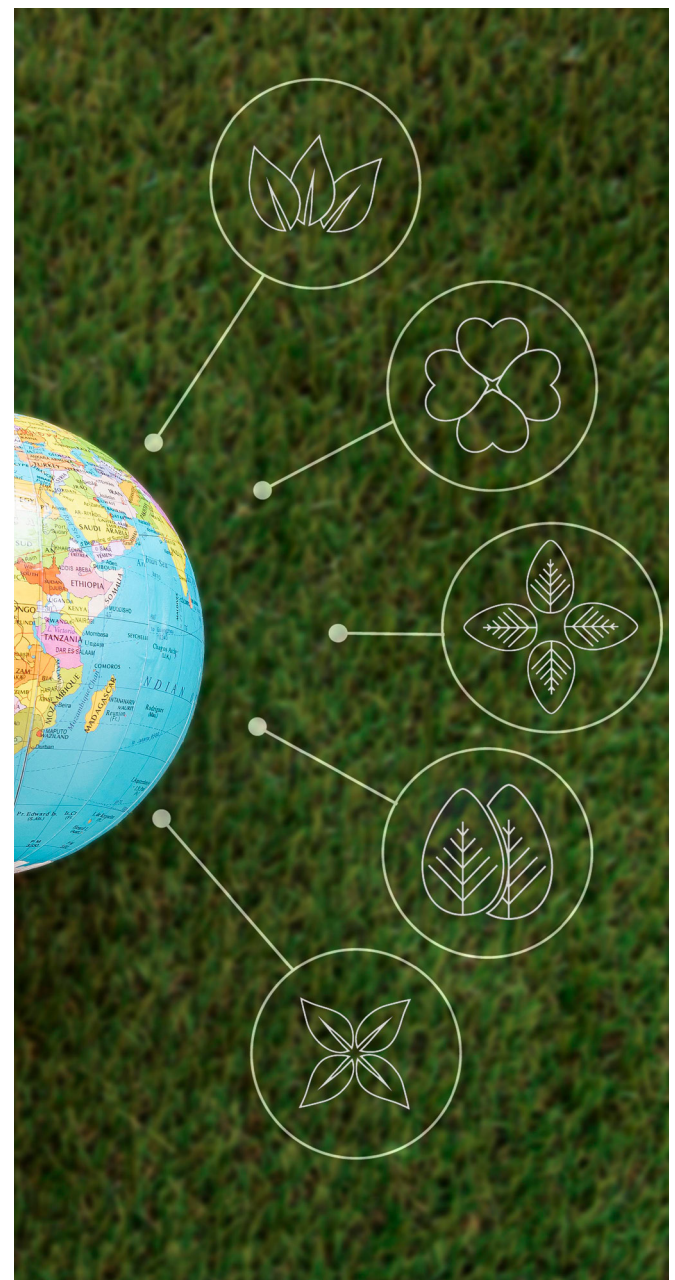
The research project "Social Life-Cycle Assessment (S-LCA) of Mass Tourism and Food Culture Tourism to Enhance Tourism Satellite Account Compilation in Economic and Environmental Resource Costs (TSA-SEEA) for the Eastern Coastal Tourism Cluster Development" was funded by the Office of Science, Research, and Innovation Promotion (OSRI). The study focused on tourism in Saen Suk Municipality, a local government body, aiming to become a tourist city that meets international standards as a "Smart and Healthy City." This includes creating tourism infrastructure to facilitate travel and establishing it as a healthy city or a destination and residence for the elderly.

The research findings revealed the following:

1. The community can develop into a food culture and a tourism hub through support from local agencies. Doing so can add value to souvenirs and products, especially by incorporating creativity, quality ingredients, or environmentally friendly packaging.
2. Tourism in the area can increase its potential to attract international tourists, as it already has elements that appeal to foreign visitors, such as shopping, beachgoing, and tasting local cuisine.

Other research conducted by NIDA directly relevant to Goal 2 (SDG 2) includes:

1. The food environment within universities that influences healthy eating behaviors among Thai students.
2. Government budget expenditure for child development aged 0-3 years in Thailand.



COMMUNITY OUTREACH

Integrated sub-district socioeconomic development

NIDA has promoted skill development among members of the Ban Tha Yiam community enterprise. Led by Assistant Professor Dr. Wasida Bunyanmethaporn from the School of Tourism Management, efforts have been made to enhance food tourism services, including the creation of "Pla Som Bite" and "Pla Som with Herbs," processed fish products developed through circular economy principles. This approach maximizes resource use by reusing, recycling, and reducing waste. All containers used are also entirely reusable. Pla Som Bite helps reduce food waste as it is easily storable for later consumption, unlike whole fish, which, when left unfinished, often becomes waste. Also, the process involves the making of "Pla Som with Herbs," using fish that do not meet the standard size for "Pla Som Bite." This approach aligns with BCG policies, particularly Zero Waste, while minimizing environmental impacts. In sum, this community food project fosters efficient and sustainable use of natural resources, minimizes food waste through reuse and recycling, and emphasizes technological support in developing countries to promote more sustainable production and consumption patterns.



The success of the Ban Tha Yiam community can be attributed to a blend of key internal and external factors, foremost among which are the members' collaboration and openness to opinions and feedback. This has led to genuine participation, mutual learning, and cooperation, enabling the community to overcome poverty and hunger through sustainable jobs and stable incomes.

Furthermore, NIDA internal departments consisting of personnel, students, and alumni regularly organized activities to help financially disadvantaged individuals access hygienic food. These activities include providing lunch to students at Wat Khlong Kud School in Chanthaburi Province, supporting the Children's Welfare Foundation in Pattaya, Chonburi Province, sharing used items with the Samanya Uthit community in Bueng Kum District, and sharing knowledge on waste sorting and vocational training (e.g., growing sunflower sprouts).





Promote Good Health and Well-Being for People of All Ages

3 GOOD HEALTH
AND WELL-BEING



OVERVIEW

NIDA seeks to promote good health and well-being for students, staff, the surrounding community, and the general public through faculty research. Additionally, the institute collaborates with external organizations to conduct activities that enhance health and disseminate health knowledge to those interested. NIDA also prioritizes healthcare promotion for students and youth around the campus.

RESEARCH/ FUNDING

Improving health & well-being of all age groups

NIDA emphasizes research related to the health and well-being of people across all age groups. This is evident from the health-related research conducted by the faculty, focusing on the well-being of people in various areas. NIDA has also received funding support from various agencies. Some of the funded research topics include:

- Ecological and Health Risks of Polycyclic Aromatic Hydrocarbons in the Sediment Core of Phayao Lake, Thailand
- Community Empowerment and Health Promotion: A Case Study of Phongsathue Community in Thailand
- Factors Influencing Drug Use Risk Behaviors among Undergraduate Students in a University in the Southern Border Provinces
- Strategic and Master Plan Development for Human Resources at the Provincial Electricity Authority towards Becoming a Sustainable Energy Organization
- Employee Engagement Using Emo-Meter for the National Cancer Institute in 2023
- Evaluation of the Dental Health Program for the Elderly in Thailand

RESEARCH/ FUNDING

Evaluation of the dental health program for the elderly in Thailand

This project was funded by the Department of Health, Ministry of Public Health, with a budget of 1,400,000 THB. The objective was to assess how the dental health program serves the elderly in Thailand to ensure good oral health and functional teeth throughout life, as oral health is a crucial indicator of overall health in older adults. The findings from the project were:

1. The dental health program which enhances the capacity of personnel to support elderly oral health care has benefited older adults in tangible ways. For every 1 THB of government investment, there was a 1.57 THB social return, justifying the need for continued funding for the second phase of the program.
2. Assessments showed that the elderly in areas with trained dental health personnel had better oral health-related quality than those in areas without such trained personnel.
3. Overall, the Ministry of Public Health managed the program effectively, ensuring that dental health personnel could participate in training as planned.
4. However, there were limitations: a lack of readiness for technology and dental innovation, particularly funding, resources, and equipment for training, and an imbalance in the curriculum, which tends to focus more on dental repair than on preventive care.
5. The research recommended a need for workforce planning that should align with workforce production and highlighted the urgent need for the country to promote preventive healthcare alongside treatment.

ENGAGEMENT

Health collaboration with external organizations

In 2023, NIDA partnered with the Thai Red Cross-National Blood Centre to organize the "NIDA USR Blood Donation" program, encouraging staff, students, and the general public to participate. The program was held four times, with each event attracting many participants and blood donors.



Moreover, NIDA organized a seminar titled "Towards Comprehensive Health Through Primary Healthcare Systems" in collaboration with the Health Systems Research Institute, the Association of Provincial Administrative Organizations of Thailand, the Public Health Association, and the Association of Primary Healthcare Directors. The event featured a keynote speech by Dr. Cholnan Srikaew, the Minister of Public Health, and included a roundtable discussion on "Driving Primary Healthcare Systems Towards Comprehensive Public Health."



COMMUNITY OUTREACH

Promoting youth health around the institute



The Corporate Communication Division, in collaboration with the International Relations Division, organized an annual soccer program for youth under the "NIDA USR" project. This initiative aimed to provide sustainable societal benefits, in line with NIDA's commitment to Wisdom for Sustainable Development, empowering people at all levels and contributing to society in all aspects. The soccer program helped local youth develop football skills, use their free time productively, learn sportsmanship, and acquire skills they could use in the future. Soccer training sessions were held every Thursday and Friday from 4:30 PM to 6:30 PM at NIDA's soccer field.

COMMUNITY OUTREACH

Supporting healthcare for students

The NIDA Basketball Club hosted the "NIDA Cup #7 Basketball Tournament" at the indoor gymnasium on the 2nd floor of the Choop Kanjanaprakorn Building. The event brought together current and former students to foster camaraderie and unity through sports. The competition featured four teams: Freshy Finish, NIDA Old Star Friend, Nouvel Espoir, and Jaosua. It is the Nouvel Espoir team who won the championship.





Promote Lifelong Learning for Sustainable Quality Education

4 QUALITY
EDUCATION



OVERVIEW

NIDA is a graduate-level institution guided by the philosophy of “WISDOM for Sustainable Development: Creating Knowledge for Sustainable Development.” With the vision to be “an institution that fosters” “societal wisdom and develops leaders for sustainable development at the international level,” NIDA recognizes the importance of developing a lifelong learning system suitable for people of all ages. This is achieved through online teaching management (MOOC), collaboration in curriculum development with external organizations at both national and international levels, and training programs (non-degree programs) based on the institution's expertise. These initiatives address the lifelong learning needs of people in the current era, including encouraging faculty members to produce research and platforms for knowledge exchange through national and international academic conferences.

RESEARCH/ FUNDING

Continuous learning for personnel in educational institutions

The research project “Preparation to Enhance CONNEXT ED Schools 2023” is an academic collaboration between NIDA and Siam Cement Group Public Company Limited (SCG). Its objective is to develop personnel in network schools/institutions within SCG's network, raise quality education standards, and turn these institutions into learning hubs in line with the self-sufficient economy philosophy. The core knowledge generated from this project includes guidelines to support the learning of the personnel in these institutions, with cooperation from private companies and various academic entities. Moreover, company employees serving as volunteers (school partners) visit and encourage the trained personnel as a way to foster mutual learning and positive interaction. The project successfully boosted not only the trainees' confidence in their potential but also the quality of their schools, enabling 13 out of 19 schools to qualify for assurance assessment as learning centers. Administrators, teachers, and students can also utilize the acquired knowledge and skills to improve education quality according to their schools' contexts, with the capacity to drive educational management based on the principles of the self-sufficient economy.

RESEARCH/ FUNDING

Promoting research that fosters lifelong learning for all

Furthermore, the institute has produced research aligned with lifelong learning, integrating research knowledge into teaching to enhance skills for personal, community, social, and national sustainable development. The research topics include, among others:

- Thai EFL Teachers' Beliefs on Teaching Reading Through Text-Based and Competency-Based Reading Approaches in an International University
- Data Manager to Support the World Bank's Work in Providing Implementation Support for a Second Stage Pilot to Operationalize the Fundamental School Quality Level (FSQL) Instrument
- Knowledge Management Process Status via the Use of Current Technology
- Creating a Media Literacy Curriculum for Elementary Education
- Government Digital Systems for Facilitating Business: A Qualitative Assessment in Thailand
- Categorizing Products on E-commerce Systems Using Deep Learning Techniques for Image Analysis

COMMUNITY OUTREACH

Facilitating knowledge sharing & exchange

NIDA fully supports programs and activities that facilitate knowledge exchange in various forms, including:

- Organizing discussions on “Entrepreneurship and Success in Sustainable Business Management”
- Developing a curriculum with King Mongkut's Institute of Technology Ladkrabang by offering joint bachelor's and master's degree programs in Engineering Management and Entrepreneurship, and a Master of Economics in Business Economics.

- Initiating training programs for modern executives, such as the “Digital Age Development Executive (DAD)” program, designed for new executives seeking to enhance their knowledge, perspectives, skills, and behavioral abilities, as well as the “Innovative Management in the New Era for Senior Executives” program.



- Organizing the NIDA International Summer Camp, joined by international participants from the People's Republic of Bangladesh and the People's Republic of China. The program provides knowledge of language, culture, creative tourism, the self-sufficient economy philosophy, and leadership for sustainability, which can be applied in participants' daily lives.



- Collaborating with the Faculty of Administrative Science and Policy Studies (FSPPP) at Universiti Teknologi Mara (UiTM) in Malaysia to organize the UiTM-NIDA Global Community Outreach 2023 program. The goal is to promote international academic collaboration and achieve sustainable development goals through learning and recreational activities, including field trips to the Historic City of Ayutthaya, academic discussions between students from NIDA and UiTM, campus tours, and visits to various communities, such as the Yamiul Ibadah Mosque, a 100-year-old wooden bridge, learning about cultivation in the Ko Klong community, and exploring natural trails at the Urban Forest Learning Center.





Advance Gender Equality and Empowerment through Stakeholder Engagement

5 GENDER
EQUALITY



OVERVIEW

In the pursuit of Sustainable Development Goal 5 (SDG 5), which emphasizes achieving gender equality and empowering all women and girls, our organization has made significant strides over the past year. This annual report highlights our commitment to fostering an inclusive environment that promotes the active participation of stakeholders, revising our existing gender equality policies, and creating facilities that are more accommodating for women. Together, these initiatives form a comprehensive approach to not only meet but exceed the targets set forth by SDG 5.

RESEARCH/ TEACHING & LEARNING

Academic focus on gender equality

Over the past years, NIDA has been relentless in supporting faculty and students in producing academic work that raises social awareness about gender equality. The teaching and learning at NIDA incorporate issues of gender inequality across various subjects. The institution will initiate a grant program for research related to this issue by contributing additional funding to research grants supported by external agencies, such as research councils or various international organizations. Research on gender inequality produced in the past academic year are, for instance, "Paradigm Shift in Gender Equality Development Policy in Thailand: Parity versus Differences." Gender topics are integrated into many courses in various schools to make students aware that gender inequality has a negative impact on development in all areas. Among such courses is, for instance, PS7201 Global Politics and International Development, one topic of which is "Gender and Development.

https://ssed.nida.ac.th/images/PDF/Course/re-web_2024/MA-PDS/AWC/02ABOUT/04_Courses_and_Courses_Description_MA_PDS_AWC.pdf

COMMUNITY OUTREACH

Inclusivity: stakeholder participation

Engaging stakeholders has been a cornerstone of our strategy to drive gender equality. Recognizing that the journey toward gender parity requires collaborative effort, we have prioritized inclusivity in our outreach. A gender equality committee was set up which includes people from all divisions (faculty, staff, student body). The committee is Chief Gender Equality Officer (CGEO) who is also head of student affairs. The committee gathers to facilitate knowledge exchange which will eventually lead to ideas and plans to improve women's status and well-being. <https://nida.ac.th/policy-765-2567/> Also, each school has appointed a Gender Focal Person (GFP) who are in the aforementioned committee. These people exist to oversee any incurring gender equality issues. They are resource persons who provide consultation and support to women under their own units. The committee and GFPs meet on a regular basis to share their experience, concerns, and ideas on how the gender equality situation can be improved. The ideas gathered through the meetings has been invaluable. Members who represent different sectors of the institute have highlighted barriers to gender equality that may have otherwise gone unnoticed, allowing us to tailor our policies and programs more effectively. For instance, discussions around workplace culture revealed a need for flexible work arrangements and robust parental leave policies. By actively listening to these members, we have strengthened our commitment to creating a more equitable environment that recognizes and addresses the unique challenges women face. What we ultimately hope for is that the solicited ideas will be integrated into a long-term action plan that enables women in our institution to have well-being conducive to both career and academic advancement.

POLICY

Non-stop efforts: policy revision



In alignment with our commitment to SDG 5, we undertook a comprehensive review of our existing policies to identify and rectify gender biases. This revision process was informed by stakeholder input and aimed at ensuring that our policies are not only equitable but also promote the empowerment of women. Key revisions are, for instance, the integration of gender-responsive budgeting practices and the establishment of clear procedures on how to make our institute a place where women can study and work in a socially and physically healthy environment. More fund is allocated to child birth and child care benefit for our staff. A childcare facility which operates during school breaks is open for small children of staff members and students.

https://www.facebook.com/NIDAHRM7/posts/pfbid02LyJKYArMFt-m5TUuBL5WFXAwECDE3qG2N41Mk8iNogDwrjb86LVgKpniUxN-z1Hc7SI?locale=th_TH

Additionally, adopting a zero-tolerance policy towards discrimination and harassment, we ensure everybody is aware of the existing policy by publicizing it via different channels. The policy is also translated into English for our international stakeholders. <https://nida.ac.th/measures-to-prevent-and-address-sexual-harassment-in-the-organization/> By embedding gender considerations into our policy framework, we are taking proactive steps to dismantle systemic barriers and create an environment where women can thrive.

OPERATION

Conducive environment: creating female-friendly facilities

Recognizing that physical environments significantly impact participation and productivity, we have prioritized the development of female-friendly facilities. This year, we launched initiatives to enhance accessibility and comfort for women in our workplaces and community spaces. Upgrades included the addition of nursing rooms, improved sanitation facilities, and designated safe spaces for women to convene. Moreover, we are committed to ensuring that our facilities are designed with input from women. By involving female stakeholders in the planning and design phases, we create environments that truly reflect their needs and preferences. Our goal is to foster spaces that not only accommodate women but also celebrate their contributions, thus reinforcing a culture of inclusivity and respect.

Acknowledging the importance of physical environments, we have put in place women-friendly facilities and services. Regarding physical environment, this year we have introduced a nursing room in all the seven buildings, each equipped with diaper-changing facilities. Moreover, a safe space for women, 'Lady's Corner', is designated on the 5th floor, Chub Kanjanaprakorn building. The area is dedicated for female students and staff to gather for recreational, support and counselling purposes. Day-to-day necessity such as sanitary napkins are provided free of charge at a designated points all over the campus namely, the nursing room and at each School's administrative office. General counselling service is established with counsellors who specialize in gender issues. <https://studentunion.nida.ac.th/main/index.php/th/2017-10-27-06-43-40/309-2017-11-14-03-26-38> Also, realizing that our society is no longer binarily male-female, NIDA has provided all gender restrooms to accommodate all groups of people. <https://nida.ac.th/equal-access/> Because of our non-discriminatory policy and a female-friendly environment, we have received many applications from women for various job openings and have hired a higher proportion of women. <https://nida.ac.th/nida-new-person-2024/> The abovementioned efforts and initiatives ensure that everybody at NIDA belongs in the mainstream. Nobody is and will be marginalized.



COMMUNITY OUTREACH

Reaching out to the public

Gender inequality is widespread in society. In addition to providing opportunities for all genders within the institution, NIDA aims to reach out to the surrounding communities. Our goal is to make the public aware that we take seriously gender inequality issues and we endeavor to break any gender barriers that women encounter. As the Equal Marriage Act (which legalizes same sex marriage) was passed this year, NIDA hosted the event “Thailand’s Pride at Bangkokpi (the district in which we are located).” Many public figures, politicians, gender equality advocates and members of the surrounding communities joined the celebration. This event was a means of reaching out to the public. It demonstrated our unflagging commitment to combating gender inequality <https://pr-bangkok.com/?p=348193>

CONCLUSION

As we reflect on our journey toward achieving SDG 5, it is clear that our efforts to engage stakeholders, revise policies, and create supportive facilities are making a meaningful difference in learning, researching and working at the institution. All parties at NIDA aim to make our institute the place where women can reach their best potential without having to struggle with any inequality issues. We endeavor to make NIDA an organization without a glass ceiling which women must fight to break. This annual report serves as both a testament to our progress and a roadmap for the future. We remain steadfast in our commitment to gender equality, recognizing that the empowerment of women is not just a goal but a fundamental human right. Together, with the support of our stakeholders, we will continue to advance initiatives that promote gender equity and build a more inclusive society for all.



Extract Key Lessons in Sustainable Water Management for Communities

6 CLEAN WATER
AND SANITATION



OVERVIEW

NIDA has extracted valuable lessons on sustainable water management, engaging communities and creating networks with various organizations to promote environmental awareness for a sustainable society. Additionally, NIDA's School of Environmental Development Administration provides training in environmental management and sustainable water management on its own campus.

RESEARCH/ FUNDING

Community water management model

NIDA has conducted significant research under the project "Learning from Community Water Management Models," funded by the Fundamental Fund (FF) of the Office of the Science Promotion Commission, Research, and Innovation (TSRI). This project aims to enable community leaders to apply technology for water management, analyze community potentials, and learn from successful community practices. Its goal is to propose models and management plans tailored to the specific characteristics of each community and to develop a training curriculum for community leaders and stakeholders. Other noteworthy projects funded by the FF include a study on water management indicators for communities that prioritize environmentally friendly lifestyles based on Royal initiatives, as well as a project exploring how water management practices can help revive the economy and society following the COVID-19 pandemic.



ENGAGEMENT

Knowledge sharing, collaboration & sustainable water management

NIDA organized the "Water Festival 2023" on September 23, 2023, with four main objectives:

- 1) promote knowledge exchange, develop critical thinking skills, and instill a sense of responsibility towards oneself, society, and the environment;
- 2) encourage cross-sector collaboration involving local offices, schools, and community leaders to drive positive initiatives;
- 3) to showcase quality community products and foster co-development; and
- 4) to raise awareness of the importance of planting more trees to mitigate climate change.

Moreover, NIDA presented the article "Sustainable Water Management in Agricultural Communities," addressing the impact of climate change on agricultural water management, and how farmers adapt their practices to sustain agriculture while conserving resources for future generations. In Thailand, water issues include drought-induced shortages leading to conflicts, flooding during the rainy season, increased demand from non-agricultural sectors, and chemical contamination from agriculture and industry.

More importantly, NIDA has its online platform, "NIDA Digest," for sharing expert knowledge on these issues and making complex information accessible to the public.



OPERATION

Access, conservation & ecosystem balance

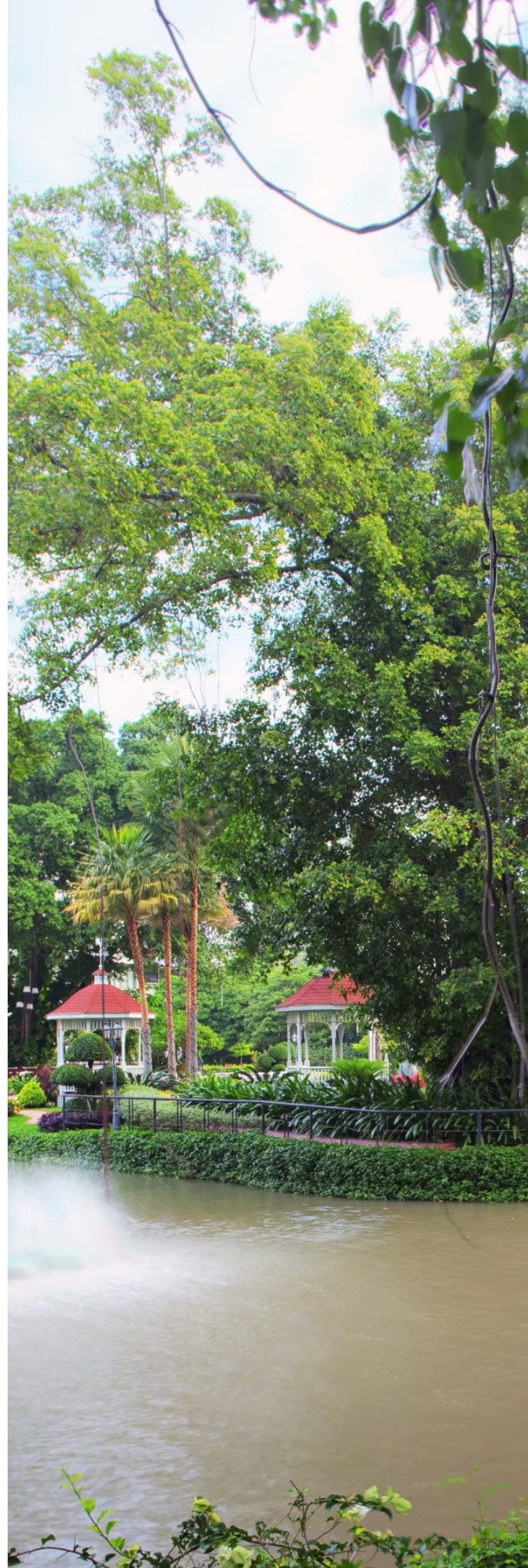
In addition, NIDA provides safe, clean drinking water on every floor of every building, ensuring accessibility for students, staff, and visitors. The institute also promotes water conservation by encouraging faculty, staff, and students to adopt environmentally friendly habits. What is more, NIDA has improved water quality and wastewater treatment by using a combined treatment system (biological discs and closed mechanical systems) in all buildings, discharging treated water into the Pattanantara Pond, which is equipped with solar-powered turbines (Solar PV) to increase oxygen levels. This pond serves as a habitat for various aquatic species, maintaining ecological balance. The overflow pipes direct excess water to the Saen Saep Canal, with water quality checks conducted before its use for irrigation, enhancing water efficiency and ecosystem restoration.

Additionally, NIDA hosted a seminar, "Apologizing to the Ganges through PES," discussing who should bear the costs of preserving water resources and how. This seminar was organized by PhD students from the 20th cohort of the School of Environmental Development Administration.

TEACHING & LEARNING

Molding leaders in environmental sustainability

A core mission of NIDA is education, especially through its School of Environmental Development Administration, which aims to train professionals capable of seamlessly integrating science and art to address social and environmental issues. The program produces administrators, entrepreneurs, and sustainability professionals looking to deepen their knowledge and skills in sustainable development. It offers courses such as the Master of Science in Environmental Management, the Master of Science in Sustainability Studies, and the PhD in Environmental Management.





Ensure Accessible, Reliable, Sustainable and Modern Clean Energy for All

7 AFFORDABLE AND
CLEAN ENERGY



OVERVIEW

NIDA prioritizes proper management of clean energy by communicating energy-saving measures to ensure that everyone understands and adheres to them. This approach guarantees access to modern energy that is affordable, reliable and sustainable. Moreover, clean technology is a key aspect of environmental management, serving as a pillar of sustainable development.

RESEARCH/ FUNDING

Tackling air pollution, carbon emission, & sustainable waste management

NIDA has produced notable research, including a study on Thailand's "Clean Air Act" aimed at addressing air pollution and its root causes while seeking sustainable solutions. This research was funded by the Office of the Science Promotion Commission, Research, and Innovation (TSRI) and conducted in collaboration with the National Aeronautics and Space Administration (NASA) to tackle air pollution, specifically PM2.5, and to genuinely and sustainably protect the health of Thai people and the environment.

Other research studies include:

- Characteristics of PM2.5 at a High-Altitude Remote Site in the Southeastern Margin of the Tibetan Plateau in Pre-monsoon Season
- Relationship Between COVID-19 Infection Rates and PM2.5 Levels in Ambient Air of Bangkok, Thailand
- Impacts of Biomass Burning in Peninsular Southeast Asia on PM2.5 Concentration and Ozone Formation in Southern China During Springtime - A Case Study.

In addition, NIDA has secured funding for fundamental research (Fundamental Fund: FF) aiming to solve environmental issues, reduce carbon emissions, and promote clean and eco-friendly energy. Projects include initiatives to overhaul plastic waste management at national and local levels toward efficient and sustainable practices, and studies on developing low-carbon restaurants with an environmentally friendly and competitive business model to ensure sustainability within the restaurant sector.

OPERATION

Towards zero waste with energy efficiency & clean transportation

NIDA emphasizes maximizing the value and benefits of resources by implementing an environmentally friendly policy under the project "Moving toward Zero Waste Lifestyle @NIDA."

Buildings at NIDA are designed to optimize natural ventilation and allow ample natural light, minimizing the need for artificial lighting during the day. Energy efficiency is prioritized across all buildings through the use of LED lights with low power consumption, reducing the cooling load on air conditioners. High-efficiency inverter air conditioners and Variable Speed Drive (VSD) controls for chilled water pumps are installed, along with a Building Energy Management system. Solar panels are installed on the rooftop of the Navamindrachiraj Building, generating 1.06% of the energy as renewable energy. Additionally, NIDA supports the use of electric vehicles (EVs), promoting zero-emission technology to reduce pollution. EV charging stations on campus further enhance convenience and affordability for EV drivers.



The institute also organizes informative seminars, such as a discussion on "Electric Vehicles: A Real Solution to Climate Change in the Transportation Sector?" conducted by doctoral students from the 20th batch of the Environmental Development Administration Program.

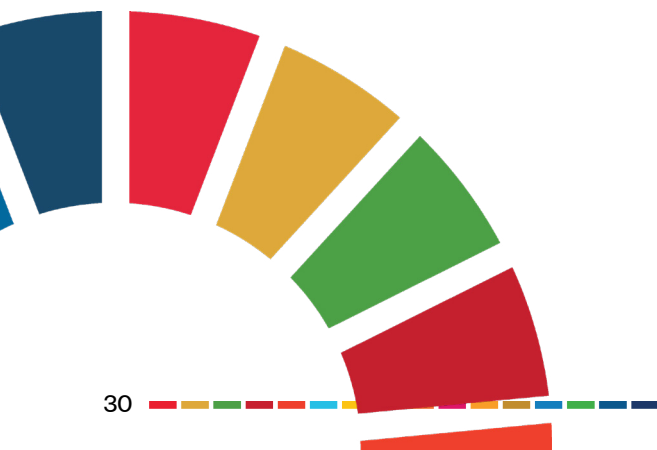
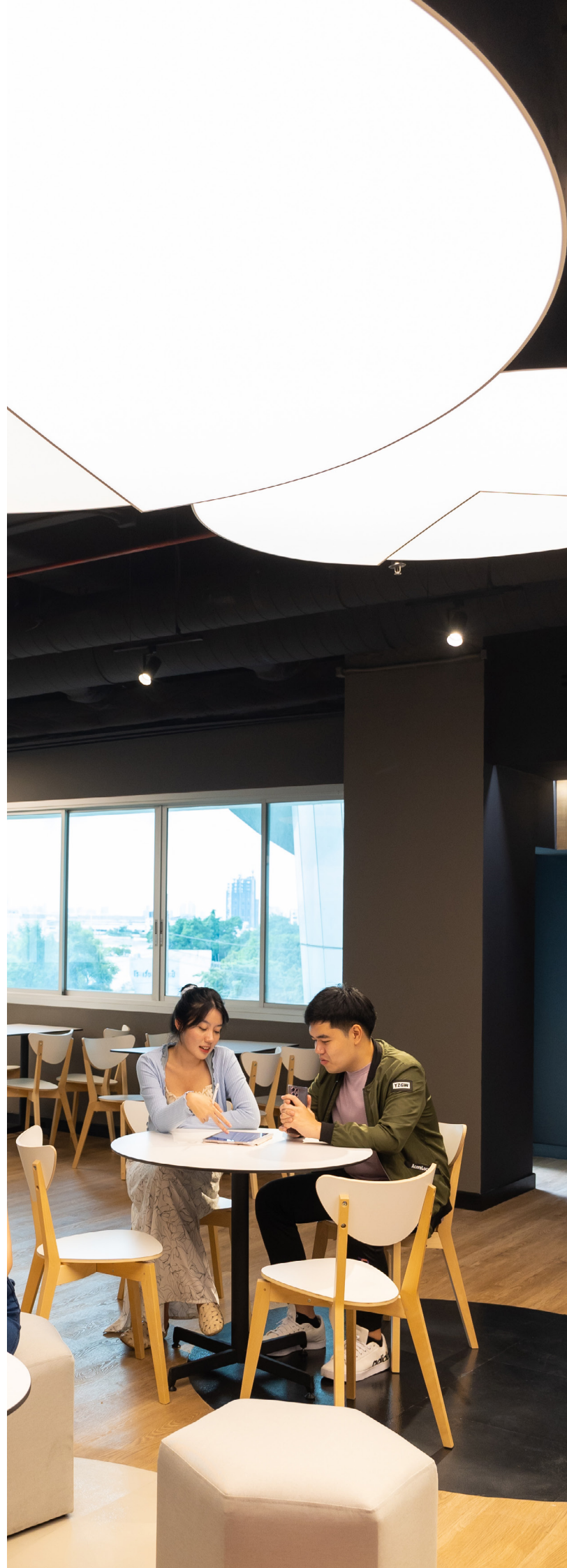


TEACHING & LEARNING

Training visionary leaders in environmental & clean technology

NIDA's core mission in education is reflected in the Environmental Development Administration Program, which offers unique curricula to train visionary and skilled environmental managers to analyze, research, formulate policies, and plan to address environmental crises at all levels. These curricula are grounded in international knowledge and guided by the late King's philosophy for sustainable development. For example, the Master of Science in Environmental Management offers courses on Clean Technology and Energy Management, covering principles of clean technology, waste generation assessment, mass and energy balances, pollution estimation, clean technology alternatives, implementation, performance evaluation, lifecycle assessment, eco-design, economic mechanisms, environmental labeling, and policy tools to promote resource efficiency. These courses also highlight the roles of relevant sectors in promoting clean technology and outline strategies, policies, and energy management plans at both domestic and international levels.

Moreover, graduate students specializing in Clean Technology and Energy Management are given the opportunity to participate in field studies at IRPC Clean Power Co., Ltd., and IRPC Public Company Limited, focusing on energy, co-generation power plants, and solar floating projects





Advocate for Decent Work and Cultivate Intelligence and Leadership for Sustainable

8 DECENT WORK AND
ECONOMIC GROWTH



RESEARCH

SME performance & tourism industry in times Covid-19

NIDA is recognized as a global frontier research university with numerous projects aimed at enhancing industrial productivity and economic growth, aligned with the 8th Sustainable Development Goal. Notable research in 2023 published in Scopus Q1 is "The Effect of Social Media Agility on the Performance of Small and Medium Enterprises: Moderating Roles of Firm's Size and Environmental Dynamism" by Warachet Ong-ngam (PhD student) and Assoc. Prof. Dr. Peerayuth Charoensukmongkol (Faculty member of the International College). This study emphasizes using social media agility to improve SME performance, which is a key mechanism for Thai economic development. It was published in the Journal of Entrepreneurship in Emerging Economies, a top 7% journal (Cite Score 7.7) with a Field-Weighted Citation Impact (FWCI) of 1.37, indicating a 37% higher citation rate than the field average. Additionally, Assoc. Prof. Dr. Peerayuth Charoensukmongkol has been ranked by Stanford University as a top 2% highly cited researcher in Business Administration for five consecutive years (2020-2024).

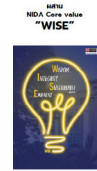
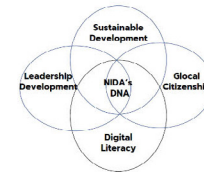


NIDA has also conducted research related to the tourism industry, which accounts for about one-third of Thailand's GDP. The development of the tourism industry significantly impacts economic growth. Notable publications include "Understanding the Relationship Between Trade Show Motivational Attributes, Trade Show Participation, and Business Performance" by Assoc. Prof. Dr. Charoenchai Agmapisarn from the School of Tourism Management and "Business Survival in Times of COVID-19: Empirical Evidence from Tourism Enterprises in Thailand" by Prof. Dr. Piriya Pholpirul from the School of Development Economics.

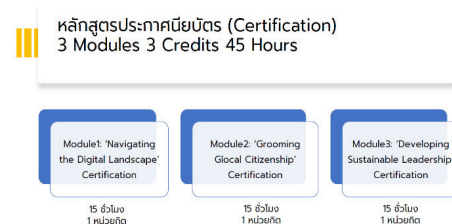
TEACHING & LEARNING

Empowering graduates with skills for sustainable growth

NIDA's DNA and Skillset Architecture



NIDA provides education designed to develop workforce skills that align with the country's needs. It ensures that graduates possess skills and knowledge that meet industry demands and support sustainable development. The institute has also identified four key skill areas for all NIDA students: (1) Sustainable development, (2) Leadership, (3) Digital awareness, and (4) Glocal citizenship. The foundational course for graduate students (ND 4000), which all students must take, consists of 45 hours across three modules: (1) Navigating the digital landscape, (2) Grooming glocal citizenship, and (3) Developing sustainable leadership. Students receive a certificate for each module upon passing, enhancing their employability.



A 2023 survey of 792 master's and doctoral graduates showed an average salary of 44,643 THB, representing a 33.55% increase from their pre-study salaries. This equates to an annual income of 535,716 THB, roughly double the national income of 255,880 THB per person in 2023. The average daily income (salary divided by 30 days) is 1,488 THB, about four times higher than the minimum wage in Bangkok (353 THB/day). The survey also reported an average employer satisfaction score of 9 out of 10 regarding graduate quality.

COMMUNITY OUTREACH

Strengthening education & local development through collaboration

NIDA is committed to community outreach, particularly in education. For instance, the School of Language and Communication collaborated with the School of Education at Indiana University to train 18 Myanmar teachers in using technology for language teaching from July 24 to August 4, 2023.



NIDA also partnered with Government Savings Bank on the “Yuwaphat Rak Thin” project for the 7th year. Faculty, students, and community members worked together to develop and add value to seven local products from five communities around the institute: Ban Suan Rim Khlong Lat Phrao, Golden Land Community Tourism Network, Green Papa Village Enterprises in Bueng Kum District, Rim Khlong Prawet North Bank in Prawet District, and Klong Tahnod Community in Min Buri District.

Additionally, the institution supported student club activities at Watnalom School, Khao Lan Subdistrict, Thap Sakae District, Prachuap Khiri Khan Province, by providing teaching and learning materials to promote English and mathematics learning. Similarly, the School of Applied Statistics also organized the 4th “Coloring for Kids” activity at Thapkritpathana School, Nakhon Sawan Province, to improve school facilities and donate items to benefit teaching and learning.



OPERATION

Promoting equality, inclusion & sustainable workforce practices

To promote valuable employment, NIDA adheres to fair employment practices, equality, and compliance with labor laws. The institute has a policy against modern slavery, applying to both internal and external employment (e.g., service contractors). This includes prohibiting the employment of minors (individuals over 60, and allowing service companies to hire individuals aged 60-65 as housekeeping and security staff. Currently, there are 69 housekeepers and security guards, 29 of whom are over 55 years old (42%), and 12 are over 60 years old (17%).

Furthermore, NIDA renewed contracts for 41 academic staff and 26 support staff who are over 60. The institution provides adequate and equal amenities for students and staff, including facilities for disabled individuals. This explains why Thailand's well-known positive-thinking motivational speaker, Nicharee Penekachanathsak, aka Nong Thun, decided to enroll at NIDA as a PhD student in Public Administration.

NIDA also emphasizes equality within academic and staff councils, allowing employees of any gender, nationality, and religion to run for council committee elections. Both council presidents are women; among the 21 members, there are 8 women and one foreigner (Assoc. Prof. Hiroki Goto). The staff council has 23 members, including 14 women.

Finally, the institute supports negotiations for employee benefits by involving representatives from both academic and support staff in the Employee Expense Fund Committee to ensure equal benefit distribution. It also regularly revises academic staff workload standards through public hearings, allowing for input gathering and involvement of representatives from all Graduate Schools.





Develop Workforce Through Technology and Research & Upgrade the Industrial Sector's Capabilities

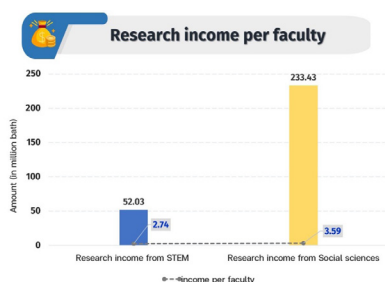
9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



RESEARCH

Harnessing technology & innovation for industrial advancement

NIDA conducts research that applies technology and innovation to enhance the capabilities of the industrial sector. The School of Applied Statistics and the School of Business Administration focus on producing leaders for the digital age.



NIDA's significant research contributions encompass projects like the "Design of Smart Retail 4.0 Technology Drive Using Data and Design Concepts," funded by the Office of Science, Research, and Innovation Promotion (FF). This project focuses on four key areas: (1) applying Geographic Information Systems (GIS) for business decision-making, (2) developing Smart Dressing Rooms for Smart Retail 4.0, (3) learning about robotics, and (4) enhancing Smart Inventory Management systems using Face Recognition-AI. Additionally, the project developed the course, "Technological Data-Driven Design: Design Thinking for Smart Retail 4.0 Initiatives," to build the country's workforce, equipping them with the ability to handle technological changes.

NIDA emphasizes developing technology and innovation in order to support job creation and prosperity and social stability. This is reflected in NIDA's income from research in STEM fields, which averaged 2.74 million THB per researcher in the 2023 fiscal year, while research income from the arts, humanities, and social sciences averaged 3.59 million THB per researcher.

TEACHING & LEARNING

NIDA's innovative hubs for sustainable future

NIDA has several incubation centers like the Business Innovation Center, Data Analysis and Technology Center, Environmental and Climate Change Research Center, NIDA Design & Innovation Hub, and NIDA AI Innovation Hub. These units focus on research, information exchange, incubation, and technology and innovation transfer to the community, society, and the nation.

NIDA also established the Innovation Transformation Center to drive institutional transformation, led by young and creative thinkers. For example, the GSAS Sm@rt Lab at the School of Applied Statistics features technologies, such as Artificial Intelligence, Machine Learning, Smart Logistics, and Data Analytics. It functions as a training center for both short-term and long-term programs, providing spaces for students to relax and socialize.

NIDA Design & Innovation Hub and NIDA AI Innovation Hub serve as technology and innovation learning centers inspired by Stanford's d.school's Design Thinking principles. These hubs help organizations drive change by exploring advanced technologies like AI, Big Data, Smart Retail, and robotics, promoting hands-on experience and creativity to foster business innovation.



TEACHING & LEARNING

Shaping future leaders through digital innovation & data-driven program

NIDA's core mission in education has been accomplished through the work of its Graduate Schools. The School of Business Administration focuses on producing modern leaders who can manage and strategize for organizations, particularly during the digital transformation era. Leaders must focus on digital strategy, exhibit digital leadership, and turn digital threats into opportunities. Programs include the MBA, Master of Science in Corporate Finance, Investment, and Risk Management (CFIRM), and Ph.D. in Business Administration.

The School of Applied Statistics develops skills and knowledge to meet societal needs and national policy objectives, focusing on creating professionals in statistics, data science, and information technology. Programs include Master of Science in Smart Logistics and Supply Chain Management (LSCM), Master of Science in Data Analytics and Data Science (DADS), Master of Science in Information Technology Management (ITM), Ph.D. in Smart Logistics and Supply Chain Management, Ph.D. in Computer Science & Information Systems, and Ph.D. in Data Analytics & Data Science.

Also, NIDA students from the School of Business Administration participated in the University Innovation Fellows (UIF) program, which was part of the UIF Networks at Stanford d.school, recognized as Stanford University's innovation hub in the United States.





Conduct Innovative Research to Alleviate Poverty and Promote Healthy Aging

10 REDUCED
INEQUALITIES



RESEARCH/ FUNDING

Converting lottery money into pensions for Thai informal workforce

During 2023, the research activities of faculty members and students at NIDA focused on reducing inequalities. One outstanding research activities impacting social protection for the majority of the labor force in Thailand's informal sector in 2024 goes to the project titled "Policy and Measure in Pension Construction for an Aging Society in Thailand" (National Science and Technology Development Agency (NSTDA)). The study proposes a voluntary savings program called the "Government Savings Lottery Fund for Retirement," allowing lottery money bought by informal workers to be converted into retirement benefits. Redirecting their expenditures from lottery tickets to long-term savings leads to increased lifetime monthly income, ensuring lasting financial stability without burdening the government. While substantial contributors receive sufficient pensions, those with minimal contributions can seek membership in the Government Pension Fund or the Social Security Fund (Section 40) for a decent post-retirement life. The proposed policy and measures were successfully endorsed by the Ministry of Finance and approved by the Cabinet on July 16, 2024. The National Savings Fund is responsible for the policy implementation.



Vora-Sittha, P. & Klingthong, P. (2024). A Study on Converting Lottery Money into Pensions for Thai Informal Workforce. NIDA Development Journal, 64(1), 116–153. Retrieved from <https://so04.tci-thaijo.org/index.php/NDJ/article/view/267349>

RESEARCH/ FUNDING

Poverty, household vulnerability and inequality reduction measures by public sector

In providing knowledge on the unequal distribution of public budgeting, the Center for Research on Economic Growth and Inequality published a book on poverty, household vulnerability and measures to reduce inequality by the public sector, based on the research project entitled "Poverty, Household Vulnerability, and Government Policies to Reduce Inequalities" (Research and Innovation Grant No. N32A660139, National Research Council of Thailand (NRCT)).

For the first time, the research classified the vulnerability of Thai households into five types: financial vulnerability, occupational risk, health and disability, high dependence on remittance income or public transfer income, and children and youth educational risk. The classification was base on areas, the socio-economic status, and the Gini coefficients. The study also determined factors associated with inequalities and offered the main recommendation, i.e., decentralization of public administration.



Direk Pathamasiriwat et al. 2024. Poverty, Household Vulnerability, and Inequality Reduction Measures by Public Sector. Bangkok. August 2024. ISBN 978-616-616-484-8.

RESEARCH

Promoting active aging in southeast asia

The longitudinal study on aging in Thailand under the Center for Aging Society Research (CASR), Health, Aging, and Retirement in Thailand (HART), is now in its 12th year and is currently conducting the Wave 5 survey and study. Since October 2023, the PI and Co-I from HART have been participating in workshops in Singapore, Paris, and Jakarta to develop a working life table for estimating working life expectancies (WLE) as part of a joint research project under OECD-ERIA on promoting active aging for older people in ASEAN. Longitudinal data on aging from each member country, including the 4-wave data from HART, have been utilized to estimate WLE at age 60. The project aims to promote the participation of older persons in the labor force in ASEAN countries by providing evidence-based information on the expected years a person at 60 can work in their lifetime.

With the life tables constructed from each country, the WLE projections were utilized to calculate economic gains and losses associated with increasing working life years. The final report of this WLE project is in progress. Constructing a working life table and estimating multi-state WLE at age 60 with longitudinal data for Thailand should benefit policy formulation on extending retirement or eligible pension age, which will increase work opportunities for older Thais in the labor market. This initial WLE estimation will enable further research on healthy working life expectancy, WLE by occupation, region and more.



There are other studies carried out by graduate students from the Graduate School of Social Development and Management Strategy on enhancing equality for other groups of people.

Gender equality in the family: Poomim, P., Singhakowinta, J., & Wanichayanon, C.. (2023). Factors and Obstacles in Promoting Gender Equality in the Family and Advancing the Promotion of Gender Equality in Family. A research project supported by Ministry of Social Development and Human Security.

2. Urban poor:

Limsuwan, W. & Masae, A.. (2023). Adaptation for livelihood security in COVID-19 crisis among the urban poor in Bangkok, Thailand. Kasetsart Journal of Social Sciences. 44 (4), 1167 – 1174. Retrieved from <https://so04.tci-thaijo.org/index.php/kjss/article/view/268994>



Advance Smart Building Initiatives in Commitment to a Sustainable City and Community

11 SUSTAINABLE CITIES
AND COMMUNITIES



OVERVIEW

NIDA is making significant strides towards becoming a smart campus, integrating advanced technologies to enhance sustainability and efficiency. This initiative aligns with the global Sustainable Development Goals (SDGs), particularly emphasizing the promotion of sustainable cities and communities, as outlined in SDG 11. A key component of this initiative is the collaboration with Sanken Setsubi Kogyo, a leader in Zero Energy Building (ZEB) technology. This collaboration intends to incorporate innovative energy solutions into NIDA's infrastructure, thereby reinforcing the organization's commitment to sustainability.

ENGAGEMENT

Smart Campus Initiatives with Sanken

NIDA's collaboration with Sanken is pivotal in creating a smart campus that utilizes advanced technologies for efficient resource management. This partnership enables NIDA to implement NZEB principles across its facilities, significantly reducing energy consumption and enhancing the overall sustainability of the campus environment. The integration of these initiatives directly supports SDG 11 by promoting sustainable urbanization and enhancing the quality of life for students and staff.

Key features of the smart building project related to SDG 11

- 1. Net-Zero Energy Building Design:** the cooperation will focus on designing net-zero energy buildings. This includes high-efficiency insulation, renewable energy sourcing, and sophisticated mechanical systems for reducing consumption while enhancing performance. This is part of SDG 11 (Sustainable Cities and Communities), which links directly to action on a number of targets.
- 2. Energy Management Systems:** NIDA will incorporate Sanken's cutting-edge energy management systems, which include real-time monitoring and analytics to optimize energy use across campus facilities. This technology will help identify inefficiencies and promote sustainable practices among students and staff, aligning with SDG 11 by implementing integrated policies for resource efficiency.

3. Data-Driven Insights: NIDA has partnered with Esri Thailand, a leader in GIS technology, to jointly develop a prototype smart city of the future. This initiative aims to serve as a model for solving resource management problems by utilizing GIS technology to build a smart campus. The project enables efficient planning of indoor and outdoor green space usage, leading to future energy savings that reduce energy consumption by at least 10% and increase the green space in the horizontal and vertical directions.

By employing spatial technology to develop various infrastructure systems within the institute, the project seeks to optimize space utilization more effectively and sustainably. NIDA and ESRI have successfully created a Digital Twin—a lifelike 3D model—to plan and manage spaces in various facilities. It enables us to comprehend the institute's activities in real time. The initiative has begun by collecting usage data at the Navamindrachiraj Building. NIDA can use the gathered information to distribute the building's usage more effectively. For example, datasets of building users on each floor help visualize the usage density, indicating whether each floor has many or few users. We can use this data to plan space utilization and support future energy-saving strategies efficiently. This supports SDG 11, which emphasizes inclusive and sustainable urbanization and public access to open and green spaces, and SDG 12: Responsible Consumption and Production.

4. Research & Development: The alliance with industries also paves the way for collaborative R&D in emerging technologies of energy conservation and renewables integration. This partnership aims to enhance NIDA's position as a hub for intelligent, sustainable design and construction research, particularly in Thailand, where the government has recently implemented changes that promote more integrated implementation of SDG 11, fostering positive economic, social, and environmental threads in urban areas.

5. Community Engagement: The smart campus initiative encourages collaboration among students, faculty, and the local community to foster innovation in sustainability practices. We hold workshops and training to educate stakeholders on the benefits of smart technologies, promoting awareness of sustainable practices that extend beyond the campus.

OPERATION

Utilizing knowledge & prototypes for broader impact

In addition to improving its own facilities, NIDA intends to use the information obtained from its smart building projects to create prototypes that can be implemented in public spaces throughout the province and in distant areas of Thailand. NIDA intends to share lessons learned from its smart campus initiative through workshops and training programs for local government officials, urban planners, and community leaders in neighboring provinces. For instance, NIDA's National Housing Authority (NHA) training aims to influence community-building developers across the country by implementing SDG11. By developing adaptable models based on successful NIDA implementations, these prototypes can serve as templates for other organizations and municipalities wishing to upgrade their infrastructure sustainably

As NIDA progresses with its smart campus project in collaboration with industries and communities, it aspires to serve as a benchmark for other institutions in Thailand and beyond. The integration of smart building technologies and NZEB principles is expected to create a more sustainable educational environment that aligns with the broader objectives of SDG 11. NIDA's commitment to developing a smart campus through innovative technologies positions it as a leader in sustainability within higher education. By leveraging advanced technologies and collaborative research, NIDA is poised to lead by example in pursuing a greener future for higher education in Thailand. This initiative not only enhances the learning experience but also contributes positively to environmental stewardship while directly supporting the goals outlined in SDG 11 for sustainable cities and communities across both urban and remote areas in Thailand.





Craft a Culture of Responsible Consumption: From Sharing to Caring

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



RESEARCH/ FUNDING

The establishment of green hotel businesses under carbon neutrality

This research is a collaboration between NIDA and the Office of the National Science, Research and Innovation Policy Council (NSRIP) in 2023. This study focuses on the development of green hotel businesses under carbon neutrality in Koh Samui and Phuket, popular and economically significant tourist destinations in Thailand. However, tourism activities and the expansion of hotel businesses have adversely impacted the environment. Therefore, the research purpose is to develop the capacity of hotels to operate in an environmentally friendly manner, reduce greenhouse gas emissions, and enable hotel businesses to align with SDGs.

The study's key findings can be summarized as follows:

- 1. Policy and measures:** There are various levels of policies and measures related to the development of green hotel businesses in Koh Samui and Phuket, such as operations that align with SDGs, especially SDG 12, which emphasizes sustainable production and consumption, promoting environmentally friendly hotels, and sustainable travel management. This includes policies to diversify tourism from major cities to secondary cities.
- 2. Potential of green hotel businesses:** The green hotel businesses in these areas have the potential to develop in line with environmental changes, especially regarding eco-friendly procurement, efficient use of energy and natural resources, reduction of greenhouse gas emissions, and engagement with local communities for conserving natural resources.
- 3. Limitations and gaps:** Although green hotel businesses have development potential, significant limitations still exist, such as a lack of knowledge and skills in environmentally friendly practices, particularly among hotel staff who require further training in energy and natural resource management. Awareness of carbon reduction is not widespread among tourists and some hotel staff.

4. Development approaches: Promoting training and capacity development for staff on environmental management, developing eco-friendly services such as conservation tourism activities in the community, and using technology and innovation to reduce carbon emissions, such as calculating the carbon footprint of hotels.

5. Tourist satisfaction: The study found that tourists staying at green hotels are satisfied with the environmentally friendly services, particularly in terms of landscapes that align with nature, and exhibit behavior such as turning off electrical appliances when not in use, which is an example of environmentally friendly behavior.

6. Development of staff training programs: The research indicates that there is a development of training programs for hotel staff on environmental management and eco-friendly services, which is essential for raising awareness and developing new skills to align with green business practices and carbon neutrality.

COMMUNITY OUTREACH

Collaboration for smart & responsible consumption & production

The NIDA Knowledge Management Forum is organized annually by NIDA to facilitate the exchange of knowledge and skills among departments within NIDA. It aimed at improving work efficiency and developing personnel to drive sustainable development. The forum also includes outreach activities that involve sharing and contributing to society.

In 2023, NIDA initiated various activities related to SDG 12 (Responsible Consumption and Production) with several departments, including the following initiatives:

- The "Waste to Home" activity, organized by the NIDA Library, encourages the donation of useful waste that can be reused. It aims to reduce the amount of waste at NIDA, particularly single-use materials such as plastic straws, plastic bottles, glass bottles, paper, milk cartons, and even chemical waste. Separate collection bins for different types of waste are provided and passed on to the following three groups:



1. N15 Technology, a company that manages industrial and household waste and converts it into renewable energy.
2. The Green Road Project, which uses plastic materials to create concrete blocks for road construction.
3. The "Giving Dream Pillows" Project of the Bangkok Metropolitan Administration, which makes pillows from plastic straws and donates them to patients and the elderly in local communities.

- The "Pan Pao Kan" (Bag Sharing) activity, organized by the NIDA Library, encourages NIDA staff to donate used or unused cloth bags, umbrella fabric bags, and paper bags. These bags are repurposed for carrying borrowed books at the library, reducing the use of single-use plastic or paper bags.



- The "Rummage Sale" activity provides a space for selling quality second-hand goods at affordable prices. Any unsold items from the event are donated to orphanages, foundations, schools, and temples.



- The "V R Gen S" activity, organized by the School of Social Development, aims to cultivate a new generation, Gen S, embodying the principles of V = Vision, R = Responsibility, and S = Sustainability. The initiative promotes shared learning and fosters a "culture" of environmental responsibility. It encourages eco-friendly behaviors such as energy conservation with automated lighting systems, a "One Day No Plastic" campaign, waste separation activities, donation corners for unused items, carpooling for commuting, and designated areas for borrowing cloth bags and water bottles.



Above all, these activities, developed by various departments, effectively foster learning and collaboration across units and help NIDA achieve SDG 12.





Commit Fully to Achieving the Goal of Net-zero Greenhouse Gas Emissions

13 CLIMATE
ACTION



OVERVIEW

NIDA is committed to achieving its goal of net-zero greenhouse gas emissions through its energy conservation policy and net-zero greenhouse gas emission policy, operated by an appointed working committee who also communicates these initiatives to the community. NIDA has set its target to achieve net-zero emissions by 2027. To reach this goal, it is promoting cooperation in addressing the impacts of climate change resulting from the institute's own activities. It is also encouraging the reduction of greenhouse gas emissions by limiting fuel use under Scope 1 to 17.93 tCO₂eq, electricity uses under Scope 2 to 4,105.18 tCO₂eq, and tap water use under Scope 3 to 45.72 tCO₂eq.

OPERATION

NIDA Smart Compact City Excellence Center



The NIDA Smart Compact City Center (NIDA S2C^o) is the driving force behind the “NIDA Smart City” initiative, promoting sustainable development at organizational, community, and national levels. It integrates technology to optimize resource management across eight key areas: Smart Energy, Smart Mobility, Smart Community, Smart Environment, Smart Building, Smart Governance, Smart Economy, and Smart Innovation. For example, Smart Energy initiatives include the installation of LED lighting to reduce energy consumption in classrooms and offices, and the promotion of low-carbon energy by installing solar panels on the Ratchaphruek and Malai Huawanan buildings with plans to install solar panels in all buildings in the future. Moreover, small wind turbines have been installed at the Malai Huawanan building.

Under Smart Mobility, NIDA has partnered with Metropolitan Energy Co., Ltd. to establish an EV Charging Station named “EV Anywhere,” with four service points located in front of the Navamindradhiraj building. The institute also plans to implement a Smart Parking System to monitor parking spaces and enhance security on campus. In terms of Smart Building, systems such as Face Recognition, Visitor Management, CO₂ detection, and PM 2.5 monitoring have been installed to improve building safety and management.



ENGAGEMENTS

Co-creating sustainable urban development & raising environmental awareness

NIDA has actively engaged in projects to develop area-specific smart city plans and sustainable management approaches. One initiative is “Co-create Better Bangkok #1,” which aims to present progress on the urban development of the Bang Kapi area. It includes architectural designs for improving Klong Chan Botanical Gardens, creating networks to restore accessible public spaces across six districts, and presenting draft plans for the development of a smart city in the Bang Kapi area. In the meantime, feedback on these drafted plans is welcome to facilitate continuous improvement and community-driven development

Furthermore, NIDA is working on creating sustainable smart city plans for mid-sized cities in Bangkok, specifically focusing on a 4-square-kilometer area of Bang Kapi city center. This initiative involves the Quadruple Helix Model, including government, business, citizens, and academia, to expand BangKapi's urban landscape, making it accessible for everyone, including vulnerable groups, thereby transforming the city into a sustainable urban community.

NIDA has also developed projects to promote environmental awareness in collaboration with local communities, organizations, and NGOs. An example is the “Environmental Policy and Disaster Management in the 2023 Election” forum, organized on April 20, 2023, in cooperation with Future Earth THAILAND. The forum aimed to enhance knowledge about disaster management within communities, raise awareness about political party policies on disaster preparedness, and increase the accountability of political institutions towards community disaster management.

TEACHING & LEARNING

Climate change education

NIDA has also developed projects to promote environmental awareness in collaboration with local communities, organizations, and NGOs. An example is the “Environmental Policy and Disaster Management in the 2023 Election” forum, organized on April 20, 2023, in cooperation with Future Earth THAILAND. The forum aimed to enhance knowledge about disaster management within communities, raise awareness about political party policies on disaster preparedness, and increase the accountability of political institutions towards community disaster management.

COMMUNITY OUTREACH/ ENGAGEMENT

Advancing net-zero, circular economy & sustainable urban development

NIDA has been advising on the “**Provincial Greenhouse Gas Reduction Approaches to Achieve Net Zero GHG Emissions**” project, supporting 12 provinces in setting goals for carbon neutrality or net-zero greenhouse gas emission. This project involves developing measures to reduce emissions and creating plans to achieve carbon neutrality or net-zero goals, along with preparing business models to support these measures. Another initiative is promoting circular economy practices for used packaging through the “Green Coffee Shop” initiative, encouraging eco-friendly production, service, and consumption. This initiative also involves partnerships with businesses to foster a shift towards sustainable resource use, in alignment with Thailand's Net Zero 2065 target.

Furthermore, the “**Green Hotel Business under Carbon Neutrality**” project examines the potential, limitations, and gaps in green hotel business practices under carbon neutrality via studies conducted in Koh Samui and Phuket. The aim is to promote environmental education measures through training programs to enhance the knowledge and skills of hotel staff, enabling them to perform environmentally friendly tasks across all service departments. The Climate Action Plan, shared with local governments and communities, involves training personnel to support the development of green hotel businesses under carbon neutrality.

In the industrial sector, NIDA supports the **Climate Action Plan** by advising on eco-industrial town development. This involves creating integrative development plans for Thailand's urban eco-industrial sector, with support from the United Nations Industrial Development Organization (UNIDO) under the Global Environment Facility fund. The plan titled “Provision of Services for Developing an Action Plan for Selected Alternatives to Integrate the Mobilization of Eco- Industrial Development (Eco-Industrial Town)” is a collaboration among the Global Environment Facility, UNIDO, and Thailand's Department of Industrial Works under the Ministry of Industry.

The institute is also involved in projects like **improving bicycle paths** around the Lat Phrao 71 MRT station, as part of the Bangkok Master Plan for Walking and Cycling. NIDA collaborates with the Foundation for Sustainable Urban and Community Development, the Thai Walking and Cycling Institute, and the Bangkok Metropolitan Traffic and Transportation Department to study issues and design non-motorized travel routes, promoting public participation and refining the city's master plan.

Academic discussion “**Learning from the U.S. Clean Air Act**” at the NIDA Academic Forum in which issues and suggestions were presented regarding the drafting of the Clean Air Act for Thailand. The discussion raised awareness of the root causes of air pollution problems and guidelines for Thailand's air quality management.

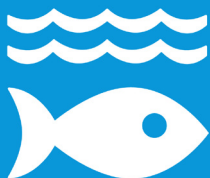


NIDA's Alumni Association has initiated projects to restore natural balance and reduce natural disasters, such as the “**Proud to be NIDA**” project, which encourages over 80,000 alumni across the country to participate in planting at least 99,999 Cassia fistula trees nationwide, in collaboration with government agencies and local communities.



Conserve and Utilize Marine Resources Sustainably

14 LIFE
BELOW WATER



OVERVIEW

NIDA supports sustainability for aquatic ecosystems by raising awareness and staying engaged with the surrounding communities. This is achieved through educational programs related to the conservation and sustainable use of marine resources.

ENGAGEMENT

United NIDA for Water Festival: Aquatic ecosystem preservation

NIDA promotes environmental awareness and community engagement in preserving aquatic ecosystems by holding the annual "United for Water Festival 2023" at the Chulalongkrajit Hall. The event aims to educate the public, encourage behavioral change, and empower people to become part of the solution to the country's environmental issues. This initiative evolved from the "United for Cleaner Saen Saep Canal" project. It's understandable that improving water quality in canals, particularly where treatment systems are limited or absent, is a challenge. Therefore, this issue requires the public to rethink, change behaviors, and foster extensive cooperation in managing waste and waste water at the source. The project was implemented in three phases:

1. Preparing and developing people and building networks
2. Supporting network groups in carrying out environmental activities
3. Connecting networks through the "United for Water Festival"

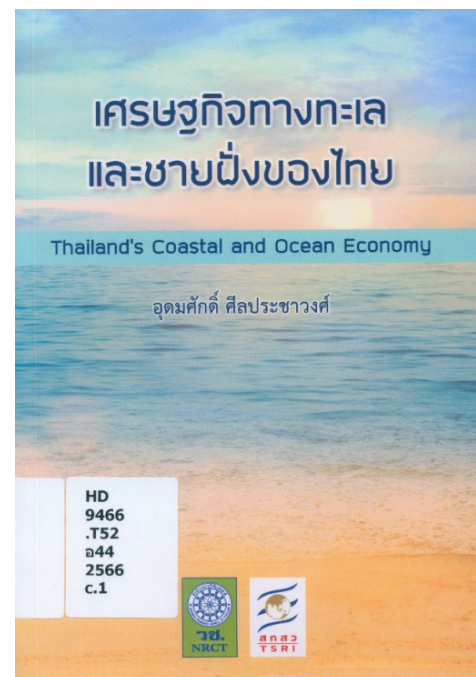


TEACHING & LEARNING

Advancing marine & coastal resources conservation

NIDA offers the Master of Science in Environmental Management with courses focused on the conservation and sustainable use of marine resources. These include the course, "Soil, Water, Marine, and Coastal Resource Management," focusing on ecosystems and the importance of marine and coastal resources. This course also covers the analysis of issues and causes of marine and coastal resource degradation, as well as measures and management approaches for sustainable use. Students examine case studies on soil, water, marine, and coastal resource management both domestically and internationally.

Additionally, NIDA faculty members authored books on marine resources, such as "Thailand's Coastal and Ocean Economy".





Protect, Restore and Promote the Sustainable Use of Terrestrial Ecosystems

15 LIFE
ON LAND



OVERVIEW

NIDA emphasizes sustainable management of terrestrial ecosystems through diverse research initiatives. The institute also offers a master's degree program with courses related to the protection, restoration, and sustainable use of terrestrial ecosystems. Additionally, the institute focuses on developing green spaces by planting trees and raising awareness among local youth on the importance of protecting, restoring, and supporting sustainable use of terrestrial ecosystems.

RESEARCH / FUNDING

Protection, restoration & sustainable use of terrestrial ecosystems

NIDA values research related to the sustainable use of terrestrial ecosystems, with faculty members actively engaging in projects supported by various funding bodies. Examples include studies such as "Applying Synchrotron Radiation-Based Attenuated Total Reflection-Fourier Transform Infrared to Chemically Characterize Organic Functional Groups in Terrestrial Soils of King George Island, Antarctica" and "Development of Land and Soil Resource Indicators for Sustainable Development".

POLICY

Developing land and soil resource indicators for sustainable development

This project, funded by the National Land Policy Committee, with a budget of 4,850,000 THB, aims to create comprehensive indicators on land and soil resource utilization. It marks the first initiative of its kind in Thailand, providing a benchmark for all sectors to work towards sustainable development goals. These indicators help the National Land Policy Committee and other relevant agencies to assess policies on land and soil resource utilization. This project directly addresses land allocation for the landless, reduces inequalities in land use, developing sustainable urban and rural land, and managing forest and biodiversity, and linking to terrestrial ecosystem restoration. The indicators comprise two dimensions: sustainability of land use and sustainability of soil resources, categorized into 7 pillars and 20 indicators.

COMMUNITY OUTREACH

Green space development

NIDA's School of Environmental Development Administration initiated the "Green Space Expansion and Landscape Improvement" project on Thai Environment Day, a collaborative effort involving faculty, students, staff, and local communities around NIDA's Sikhio campus in Nakhon Ratchasima Province. Activities included planting cassia fistula trees to expand green areas, landscape improvement, and a special seminar on "Sustainable Environmental Management." Besides enhancing green spaces, this initiative promoted cooperation and strengthened relationships between faculty, staff, students, and the surrounding community, driving activities in line with the national environmental policy.



Moreover, the Foundation for Sustainable Cities and Communities, NIDA Alumni Association under Royal Patronage, along with civil society and residents in Ubon Ratchathani Province, worked together to address flood and drought issues through sustainable tree planting and forest expansion. They exchanged knowledge on turning arid land to fertility, shared effective forest planting techniques, and provided insights into the benefits, challenges, and applications of underground water banks to solve flooding and drought problems.

COMMUNITY OUTREACH

Raising awareness for sustainable terrestrial ecosystem management

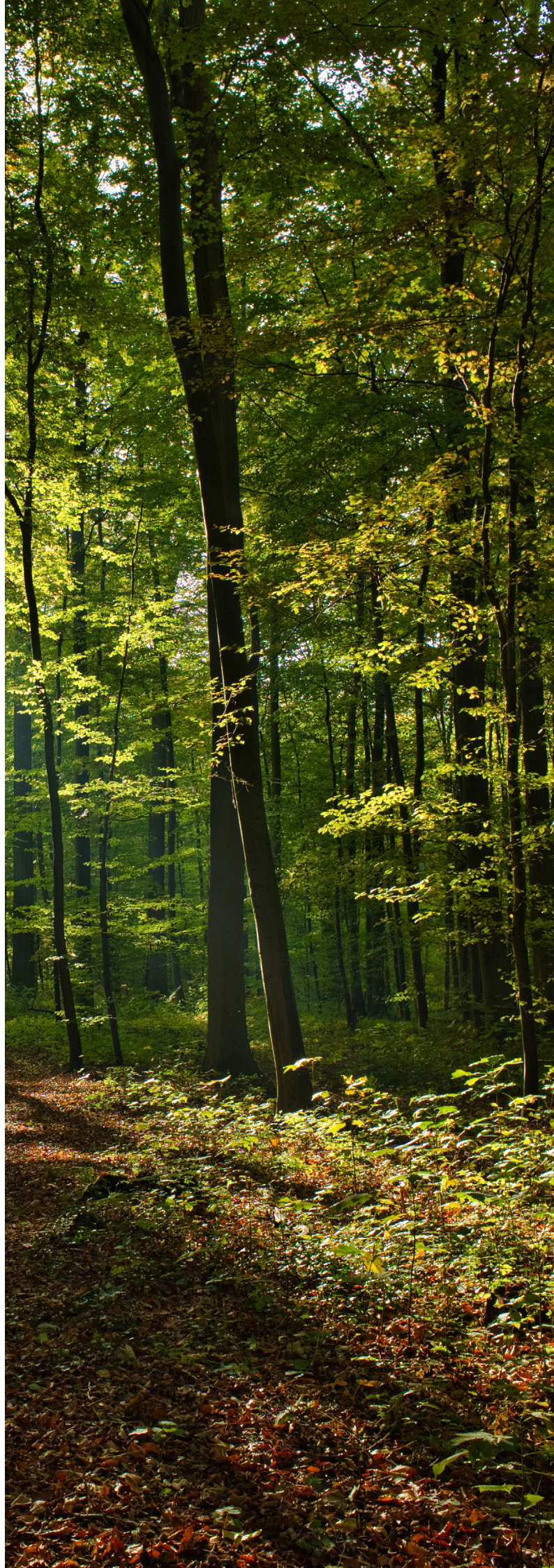
NIDA aims to instill a sense of responsibility in protecting, restoring, and supporting sustainable use of terrestrial ecosystems among youth and local communities through workshops and seminars. For instance, they raised awareness on the Bio-Circular-Green (BCG) economy concept among students of Pramandanijjanukroah School in Bangkapi District, engaging elementary students in activities like making bio-extracts and multipurpose cleaning products.

TEACHING & LEARNING

Courses on protecting, restoring, and supporting sustainable terrestrial ecosystems

NIDA's Master of Science in Environmental Management program offers courses related to the sustainable management of terrestrial ecosystems, including:

1. Natural Resource and Biodiversity Management: This course explores the importance of biodiversity resources to national and global economies and security, causes and issues of biodiversity loss, future trends in biodiversity resource management, and sustainable conservation and utilization.
2. Soil, Water, Marine, and Coastal Resource Management: This course covers basic knowledge of soil and water resources, their interactions, management for agriculture, degradation, conservation, restoration, and sustainable practices. It also addresses policies, measures, and laws related to efficient and sustainable management of soil and water resources.





Establish Strong Institutions to Promote Peace and Justice

16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



OVERVIEW

Goal 16 focuses on promoting peace, justice, and building strong institutions, which form the foundation for sustainable development. This goal aims to reduce violence, conflict, corruption, and human rights violations, as well as develop mechanisms that prioritize transparency and social participation in governance.

Peace and justice are essential factors for economic and social development. When people feel safe and confident in the legal system, other aspects of development can progress smoothly. Strengthening institutions, particularly those related to governance, justice, and human rights protection, is key to maintaining long-lasting peace.

NIDA plays a significant role in supporting SDG 16 through research, education, and the creation of an environment that promotes justice and transparency, including community collaboration to build quality citizens and support the development of a sustainable and just society in the long term.

RESEARCH

Addressing poverty, inequality & community strength

NIDA focuses on research that leads to long-term solutions to social problems. Research conducted by faculty members, such as studies on poverty and household vulnerability, and government policies to reduce inequality (Prof. Direk Patmasiriwat et al., 2024), have been ongoing since the COVID-19 crisis. Other projects include "Social Innovation for Strong Community Foundations of Thai Identity Democracy" (Prof. Banjerd Singkaneti et al., 2024), which is a participatory action research (PAR) project to drive networks of civil society at subdistrict and provincial levels. In collaboration with public and private sectors, as well as related academic networks, this research project involved activities that emphasize collaboration in thinking, working, learning, and integrating efforts.

Further examples include projects like developing the system for e-reports on the implementation of specific national security plans (Phase 2) (Prof. Siwatt Pongpiachan et al., 2023), evaluating the master plan for national justice administration (3rd edition, 2019-2022) (Assoc. Prof. Pol. Lt. Col. Kasemsarn Chotchakornpant et al., 2023), and studies on improving public access to the justice system (Assoc. Prof. Pol. Lt. Col. Kasemsarn Chotchakornpant et al., 2023). Additionally, there is collaborative research between faculty and students, such as studies on factors affecting community strength in preventing and addressing drug problems in the northeastern border areas (2023).

TEACHING & LEARNING

Commitment to peace & human rights through education & advocacy

NIDA promotes learning about peace and human rights by integrating these topics into the curriculum. Related courses are also offered, namely (1) International Human Rights Law which aims to educate students on human rights recognition and protection, mechanisms for safeguarding human rights under Thai and international law, and the roles of international organizations; (2) International Humanitarian Law, where students learn about the role and duties of international organizations in protecting and assisting individuals during wartime, migration, and the protection of children and women affected by conflict; (3) International Law Concerning the Status of Individuals focusing on the international protection mechanisms for individuals, especially those in special situations like refugees or stateless persons, individual duties and responsibilities in international society; (4) International Law Relating to the Status of Refugees and Stateless Persons, enabling students to understand the definitions of refugees and stateless persons and legal principles for protecting refugees derived from international treaties and customary international law.

Furthermore, the institute's teaching approach across all courses emphasizes the development of negotiation skills, critical listening, and the use of peaceful methods in conflict resolution through various activities to prepare students to become peace-oriented leaders and citizens in society.

POLICY

Creating an environment of morality and good governance

NIDA has a five-year strategic plan (2023–2027), where one of the key strategies is the digital transformation and open governance approach. One of the significant objectives (Objective and Key Results: OKR) is to focus on transparency and public participation in management.

Since 2021, the institute has been promoting morality by driving the organization as a moral institute, categorized into four groups: 1) executives, 2) faculty, 3) support staff, and 4) students, aiming to instill morality, ethics, transparency, and anti-corruption among the NIDA community. Measures are put in place to promote transparency and prevent internal corruption or to create a transparent and corruption-free environment, serving as a safeguard for the NIDA community. NIDA has also been developing and revising relevant regulations to comply with the good governance principles for higher education institutions, as announced by the Ministry of Higher Education, Science, Research, and Innovation (MHESI). For instance, adjustments have been made to the regulations on the qualifications, criteria, and process for selecting the university president and vice-presidents in 2024, aiming to set a strong example for creating a sustainable institute at the national level

NIDA also places primacy on stakeholder engagement from various sectors, as outlined in the Institute's Policy on External Stakeholder Engagement (2024). This policy incorporates public and business sectors in anti-corruption efforts, in accordance with the Public Procurement and Supplies Administration Act B.E. 2560 (2017). Furthermore, in overseeing the Institute's administration, the Board of Governors comprises not only external experts but also the President of the Alumni Association representing alumni; a faculty representative who is the Chair of the Faculty Senate; and the Chair of the Staff Council representing support staff. Such an atmosphere that encourages active participation from students, staff, and the community further strengthened the institute.

COMMUNITY OUTREACH/ ENGAGEMENTS

NIDA's Sikhio education center: A hub for sustainable transformation & community empowerment

NIDA works closely with communities in various ways to build strong communities. Examples include training for subdistrict administrative organization (SAO) personnel, such as preparing SAO for modern organizational transformation nationwide, and collaborating with the Government Savings Bank in the "Youth for Development and Local Preservation 2024" focusing on working with communities to enhance products and services while building stronger sustainable communities.



One focus area is developing the Sikhio Education Center, located in Ban Klong Tabak, Moo 4, Lat Bua Khao Subdistrict, Sikhio District, Nakhon Ratchasima Province. The institute has held brainstorming sessions with village leaders, representatives from public and private sectors, civil society, and the Sikhio community to gather ideas for managing and developing the center as a hub for sustainable learning. This initiative is part of the Sikhio Master Plan 2024-2027, which includes projects and activities across the following four dimensions:



Production and service sector: This includes establishing a comprehensive digital agricultural learning center and a model vetiver grass demonstration plot for industrial applications. The objective is to train local residents in planting vetiver grass as a raw material for mouthwash products implementable in their own areas. The target group consists of 50 community members around the Sikhio Education Center (pilot project with 10 communities).

Economic and social equality: Initiatives include opening the Sikhio Campus and offering master's degree programs in fields such as Law, Public Health, Public and Private Management, and Educational Administration. These programs aim to expand educational opportunities for people in the region and nearby provinces.

Resource sustainability: This includes conducting action research to enhance the capacity of local administrative organizations and communities in Sikhio District to transition to a low-carbon society. The objective is to test and implement newly developed guidelines and curricula to aid local organizations and communities in their transition.

Support factors for transformation: This involves developing legal skills and enhancing the knowledge of government officials, private sector employees, and the general public in Sikhio District on legal matters. The target group is 350 local community members around the Sikhio Education Center.





Foster International Partnerships and Expand Public-Private Collaborations for Sustainable Development

17 PARTNERSHIPS
FOR THE GOALS



OVERVIEW

In 2023, NIDA proactively engaged in myriad activities to foster domestic and international partnerships with esteemed academic institutions, organizations, and agencies across public and private sectors. In line with SDG 17, these collaborative efforts contributed to knowledge exchange, resource mobilization, and innovation across diverse fields such as environment, tourism, education, culture, and health. By working together, we developed effective solutions, created collective impact, and drove efficient progress toward the UN's Sustainable Development Goals. Key national and international partnership initiatives are outlined below.

RESEARCH / FUNDING

Collaborative polar science research with China addresses climate resilience

In a significant international collaboration, NIDA has joined the Thailand-China partnership on Polar Science Research, championed under the MOU framework initiated by HRH Princess Maha Chakri Sirindhorn. This initiative unites Thai and Chinese scientists from the Chinese National Antarctic Research Expedition to examine the impacts of climate change in Antarctica, an area crucial for understanding global environmental shifts.

A key contribution to this collaborative effort is the recent research led by Professor Dr. Siwatt Pongpiachan, a NIDA scientist recognized as part of the World's Top 2% Scientists. Professor Siwatt, along with an international team, conducted a groundbreaking study utilizing synchrotron radiation-based attenuated total reflection-Fourier transform infrared (SR-ATR-FTIR) spectroscopy to analyze organic functional groups in Antarctic soils on King George Island. This advanced technique provided precise insights into the variations in chemical composition across soil samples, revealing valuable data on both natural and human impacts on the Antarctic ecosystem.

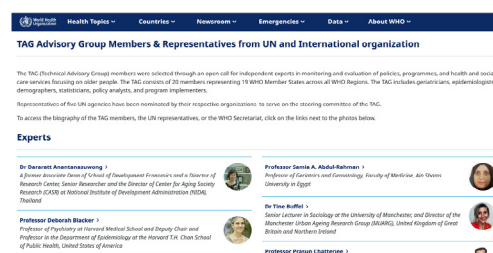
These findings underscore the critical role of advanced scientific collaboration in climate change research and disaster preparedness. The Thailand-China Polar Science Research partnership exemplifies the impact of shared expertise in addressing urgent environmental challenges on a global scale.



RESEARCH / FUNDING

Healthy aging & well-being of older adults

Asst. Prof. Dr. Dararat Anantanasuwong, Director of the Center for Aging Society Research at NIDA, has been actively engaged in international research collaboration as a member of the Technical Advisory Group (TAG). The TAG brings together experts to provide scientific, technical, and strategic advice through specialized advisory groups, focusing on health issues to enhance the well-being of older adults (aged 60 and over), their families, and communities. Among 20 members from 19 WHO Member States, the TAG consists of professionals such as geriatricians, epidemiologists, demographers, statisticians, policy analysts, and program implementers. Together, they work to not only ensure the best research practices for monitoring and evaluating healthy aging, but also offer guidance for decision-making and capacity-building at the country level.



ENGAGEMENT

Pre-election dialogues on sustainable development goals

Ahead of Thailand's national elections in 2023, NIDA and several affiliated schools organized a series of discussions focused on the SDGs. These events featured representatives from various political parties, who were invited to present their visions, policies, and strategies related to the SDGs. For instance, the School of Social Development and Management Strategy, NIDA, in collaboration with the Future Earth Thailand network, hosted a forum addressing environmental policies and disaster management strategies. Similarly, the School of Tourism Management, NIDA, in partnership with the School of Tourism and Hospitality from the University of the Thai Chamber of Commerce and the Pacific Asia Travel Association (PATA) Thailand Chapter, organized an event where political party representatives presented their visions and policies on tourism development.



ENGAGEMENT

NIDA-organized international conferences on SDGs

NIDA hosted two major international conferences to promote active cross-sectoral dialogues on the Sustainable Development Goals. On August 17-18, 2023, the institute organized the international conference titled "New Frontiers of Sustainable Development through Designing and Implementing Re-globalization" at its campus in Bangkok. The event brought together prominent SDG and BCG experts from esteemed educational institutions, as well as public and private agencies from Bangladesh, Hong Kong, Indonesia, Korea, Singapore, Thailand, and the USA. These experts participated as keynote speakers, plenary speakers, panel discussants, and case study presenters, offering a comprehensive exploration of SDG-related topics, from policy frameworks to practical implementation strategies.

Another international conference organized by NIDA's Graduate School of Tourism Management, was the 3rd International Joint Conference on Hospitality & Tourism 2023 (IJCHT-23). Under the theme "Reactivate, Rebuild, Resilience: Tourism and Hospitality Sustainable Development Goals," this event took place at NIDA from July 18-20, 2023. It attracted researchers, scholars, educators, and tourism stakeholders, including government officials, practitioners, associations, communities, and students. Discussions concentrated on strategies for sustainable tourism development, with an emphasis on health and well-being within tourism communities.



ENGAGEMENT

International collaboration on SDG data measurement

NIDA plays a crucial role in international collaboration on gathering and measuring data for the Sustainable Development Goals (SDGs), working with the Ministry of Interior, the United Nations Development Program (UNDP), and the Thailand Development Research Institute (TDRI). This collaboration (1) aims to create provincial SDG profiles for 15 target provinces in Thailand, including Bangkok, Chiang Mai, Chiang Rai, Mae Hong Son, Nakhon Ratchasima, Narathiwat, Pattani, Phetchaburi, Phuket, Songkhla, Surat Thani, Tak, Ubon Ratchathani, Udon Thani, and Yala; (2) raise awareness among provincial agencies about the importance of the SDGs.

The SDG profiles are not just documents but powerful tools for enhancing understanding of the alignment between the SDGs and provincial development plans and strategies (2022-2027), as well as empowering stakeholders with knowledge, insights, and public perspectives on critical sustainability issues.



ENGAGEMENT

NIDA's collaborative efforts with NGOs

During 2023, NIDA collaborated with non-governmental organizations (NGOs) to drive progress toward the SDGs, as follows:

- On July 27, 2023, NIDA signed a Memorandum of Understanding (MOU) with the Yunus Center, Dhaka, to establish the YUNUS – NIDA Center.
- On August 18, 2023, NIDA held the opening ceremony of the YUNUS – NIDA Center, aiming to support social innovation, social business, and social capital through the participation of all sectors.
- During the same period, NIDA established collaboration with the "Social Business Academia Network" (SBAN), led by Professor Muhammad Yunus, the pioneer of the social business concept and founder of Grameen Bank, a financial institution to assist the poor in Bangladesh.
- On November 12, 2023, the YUNUS – NIDA Center Director led a group of volunteer students to the Sikhio Educational Center in Nakhon Ratchasima Province to conduct exploratory research on community situations, problems, and needs, gathering information on notable social, cultural, and environmental resources. Based on this data, recommendations were made to the community to assist with their development plans.
- On May 23, 2023, NIDA, in collaboration with CODI, launched a participatory research project titled "Social Innovation for Building Strong Communities: The Foundation of Thai Democracy Identity."
- On June 19, 2023, representatives from CODI (Public Organization) and NIDA met with executives from the National Health Commission Office (NHCO) to create strategic partnerships under the research project titled "Social Innovations for Building Strong Communities as the Foundation of Thai Democratic Identity," together with faculty and staff from the Faculty of Law.

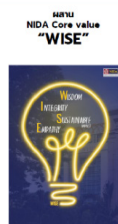
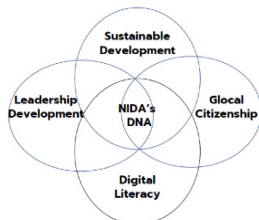


TEACHING & LEARNING

Enhanced graduate education for sustainable development

NIDA recognizes the importance of providing education on sustainable development to all students. Therefore, in 2023, the institution revised and enhanced the foundational course for graduate studies (ND4000) to ensure that all master's degree students benefit from this foundational knowledge. This initiative aims to modernize students' perspectives, equipping them with essential leadership skills in alignment with SDGs, which can be divided into four categories: 1) Digital Literacy, 2) Glocal Citizenship, 3) Leadership Development, and 4) Sustainable Development. This institute-wide course enables students to apply these skills to drive various sectors of the country toward achieving SDGs across economic, social, political, ethical, and environmental dimensions. The course's implementation is in line with policies from the Ministry of Higher Education, Science, Research, and Innovation.

NIDA's DNA and Skillset Architecture



หลักสูตรประกาศนียบัตร (Certification)
3 Modules 3 Credits 45 Hours



COMMUNITY OUTREACH

SDG education projects for alumni, local communities & displaced groups

NIDA has initiated various outreach programs focused on SDGs for alumni, the local community, and displaced people. In one key project, Carbon Neutral Tourism Development, NIDA hosted seminars and exhibitions in Songkhla and Phitsanulok, involving tourism businesses, local communities, and ethnic groups. Another initiative, the Royal Project Foundation Training Program, educated local workers and representatives from highland displaced communities on sustainable development practices. Additionally, the Leadership Program on the Royal Initiatives trained leaders and NIDA alumni in sufficiency economy principles, promoting sustainable development and cross-border support for underprivileged students in Laos. These initiatives, in short, underscore NIDA's commitment to SDG education for alumni, local communities, and displaced populations.





อาคารนวมินทร์ราช

WISDOM *for* Sustainable Development

สร้างปัญญาเพื่อการพัฒนาที่ยั่งยืน