



Prince of Songkla University supports the Sustainable Development Goals

SDSN THAILAND

PUBLIC FORUM 2025

PRINCE OF SONGKLA UNIVERSITY

ASST. PROF. DR. ARUNEEWAN BUANIAW

VICE PRESIDENT FOR RESEARCH AND SOCIAL MISSION, PATTANI CAMPUS

November 18, 2025



PSU'S PROFILE



Campuses & Faculties

HAT YAI

- ◆ Agro-Industry
- ◆ Dentistry
- ◆ Economics
- ◆ Engineering
- ◆ Environmental Management
- ◆ Law
- ◆ Liberal Arts
- ◆ Management Sciences
- ◆ Medical Technology
- ◆ Medicine
- ◆ Natural Resources
- ◆ Nursing
- ◆ Pharmaceutical Sciences
- ◆ Science
- ◆ Traditional Thai Medicine
- ◆ Veterinary Science
- ◆ International College Hat Yai Campus
- ◆ College of Digital Science
- ◆ Institute for Peace Studies
- ◆ Public Policy Institute
- ◆ Graduate School

PATTANI

- ◆ Communication Sciences
- ◆ Education
- ◆ Fine & Applied Arts
- ◆ Humanities & Social Sciences
- ◆ Islamic Sciences
- ◆ Nursing
- ◆ Political Science
- ◆ Science & Technology

PHUKET

- ◆ Hospitality & Tourism
- ◆ International Studies
- ◆ Technology & Environment
- ◆ College of Computing

SURAT THANI

- ◆ Innovative Agriculture, Fisheries & Food
- ◆ Liberal Arts & Management Sciences
- ◆ Science & Industrial Technology

TRANG

- ◆ Architecture
- ◆ Commerce & Management



Academic Year 2025-2026

1st Semester 23 June - 26 October	Summer Semester 16 April - 06 June
2nd Semester 17 Nov - 20 March	

302 PROGRAMS OF STUDY IN 2024



◆ **World-class**
Public Comprehensive University

◆ PSU established in 1967

◆ **top 10**

In Thailand
and 224 in Asia by QS 2025

◆ **1st University**
In Southern Thailand

◆ **1 of Thai**
Universities In Global
& Frontier Research Group

◆ **36,666 students**
(foreign students from 48 nations)

◆ **2,558 academic staff**



Prince of Songkla University (**PSU**) 's motto:

"Our Soul is for the Benefit of Mankind" has continuously advanced its mission to foster sustainable development through knowledge, innovation, social engagement and partnership.

PSU'S SUSTAINABILITY JOURNEY LIES IN THE INSTITUTIONAL POLICIES

01

Energy-Efficient and Low-Carbon Building Policy

02

Environmental Conservation and Biodiversity Policy

03

Green Space Conservation Policy

04

Net Zero Emission Policy

05

Green Procurement Policy

06

Sustainable Food and Consumption Policy

07

Plastic Reduction and Foam Ban Policy

08

Unused Land Development Policy



Policy on Partnerships for the Goals

1. Promote and support programs, curricula and courses related to sustainable development goals for students, the public, and communities.
2. Encourage and support research and academic services related to sustainable development goals.



Policy on Partnerships for the Goals

3. Support research collaboration on sustainable development goals with external researchers, particularly international researchers.

4. Foster cooperation on sustainable development issues between various organizations, educational institutions, social sectors, governments, businesses, and non-profit organizations domestically and internationally.



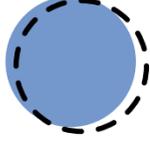
SDG-EMBEDDED PROGRAMS AND COURSES AT PSU

To prepare PSU students to

- understand, be aware of, and most importantly, develop a mindset conducive to contributing to society and understanding the context of Sustainable Development Goals (SDGs).
- be ready to work in organizations or business sectors that may need to apply sustainability principles in their operations.

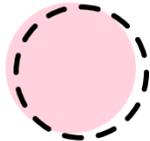
SDG-EMBEDDED PROGRAMS AND COURSES AT PSU

Examples of Programs

-  The Bachelor of Science in Environment for Sustainability program at the Surat Thani Campus
-  The Bachelor of Science in Green Industrial Chemistry program at the Pattani Campus
-  The Bachelor of Science in Environmental Technology and Management program at the Phuket Campus
-  The Bachelor of Engineering in Environmental Engineering at Hat Yai Campus

SDG-EMBEDDED PROGRAMS AND COURSES AT PSU

Examples of General Education for all PSU Students

-  Sustainable Development Goals and Social Responsibility
-  Public Mind and Sustainable Development
-  Active Citizens for Sustainable Development
-  Volunteer Leader for Community Development



More than 500 courses across PSU are mapped to each goal of the SDGs.

"PSU EXPERIENTIAL AND COMMUNITY-BASED LEARNING"

PSU Volunteer Network for Sustainability

Mobilizing over 10,000 students annually in activities such as coastal clean-ups, reforestation, and environmental awareness campaigns

Youth for Net Zero Challenge

Inspiring innovation through student-led projects through co-curricular programs in renewable energy, waste reduction, and sustainable entrepreneurship



" STUDENT MOBILITY PROGRAM "



Students from Universiti Malaysia Kelantan, Malaysia participated in PSU Mini SEED Program: Social Enterprise for Economic Development, empowering students to make a positive impact through eco-tourism at Langkasuka Cape in Pattani Province as a part of the PSU Student Mobility Program.

IMPACTFUL RESEARCH



PSU monitors data on research output and future projections to maintain alignment with the Sustainable Development Goals (SDGs)

IMPACTFUL RESEARCH - SOCIAL ENGAGEMENT



Poverty Eradication Project
in Pattani Province



Blue Carbon Research:
Carbon sequestration
potential of seagrass and
mangrove forests



Low-carbon rubber
sheet production
project for a sustainable
rubber industry

**การยกระดับเศรษฐกิจฐานรากและพัฒนาคุณภาพชีวิต
ของชุมชนในพื้นที่ 5 จังหวัดชายแดนใต้ ด้วยนวัตกรรมวัสดุ
กิจการยางธรรมชาติเทอร์โมพลาสติก**

วัตถุประสงค์ของโครงการ "ยกระดับฐานรากและพัฒนาคุณภาพชีวิต
ของชุมชนในพื้นที่ 5 จังหวัดชายแดนใต้ ด้วยนวัตกรรมวัสดุ
กิจการยางธรรมชาติเทอร์โมพลาสติก" มีวัตถุประสงค์หลักในการขยาย
ผลการดำเนินงานและสร้างมูลค่าเพิ่มให้กับผู้ประกอบการและเกษตรกรใน
พื้นที่เป้าหมาย 5 จังหวัดชายแดนใต้ โดยมุ่งเน้นการพัฒนาผลิตภัณฑ์ยาง
ธรรมชาติเทอร์โมพลาสติกที่มีคุณภาพสูงและทนทาน เพื่อเพิ่มขีดความสามารถ
ในการแข่งขันในตลาดโลก สร้าง
โอกาสทางเศรษฐกิจและสังคมให้กับเกษตรกรและชุมชนในพื้นที่
โครงการนี้ดำเนินการภายใต้
ที่มาและความสำคัญของปัญหา
การใช้ประโยชน์
ต้นแบบผลิตภัณฑ์

Zero Waste Communities
Project in Songkhla
Province

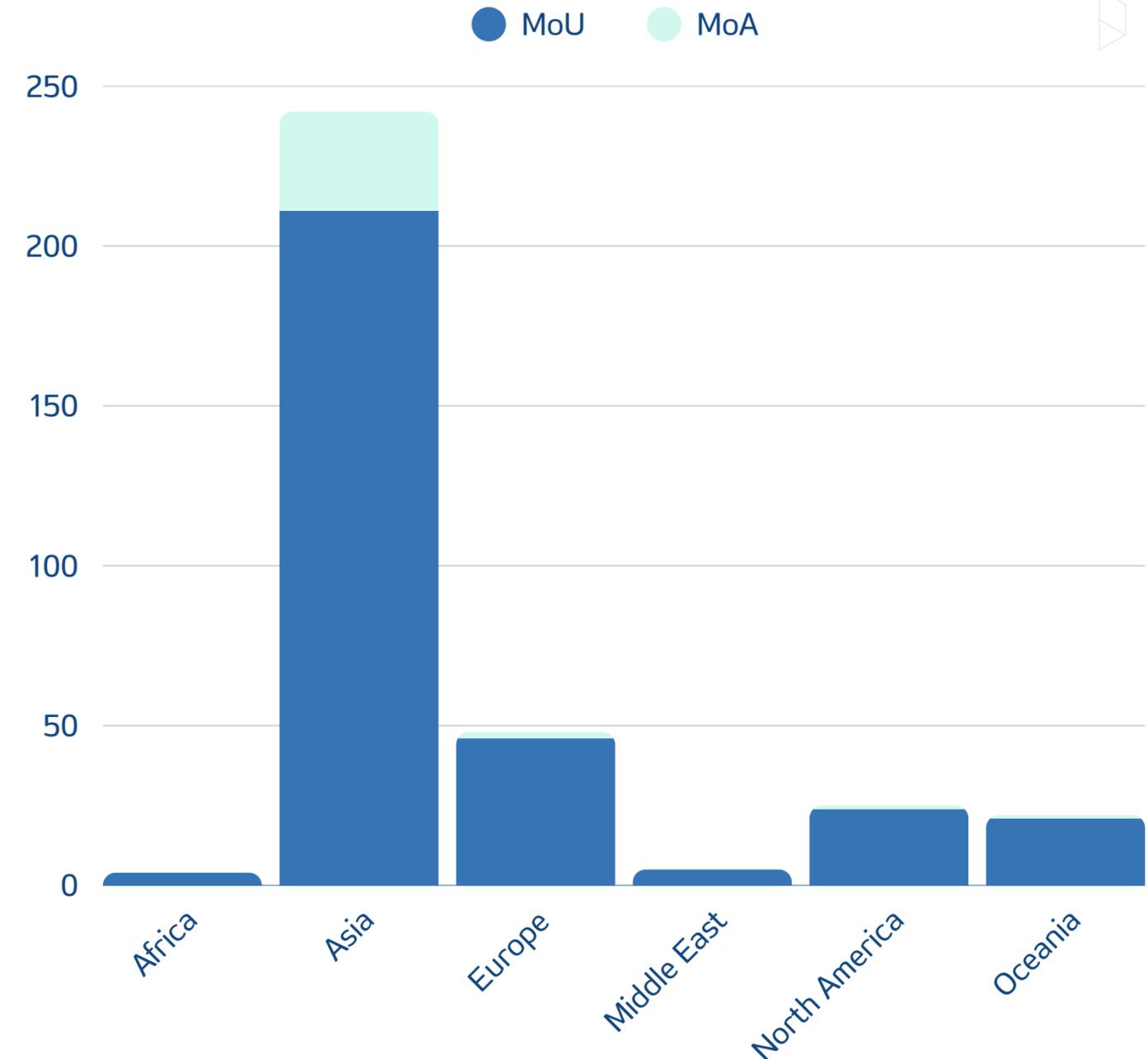
GLO-CAL COLLABORATION

Glo-cal" = Global + Local

In 2024, PSU had cooperation agreements (MoU/MoA) with more than 308 international institutions worldwide (Asia, Europe, North America, Oceania).

International Networks:

- AUN (ASEAN University Network)
- IMT-GT UNINET
- ProSPER.Net
- SUN Thailand & SDSN Thailand



CASE EXAMPLES ON SOCIAL ENGAGEMENT

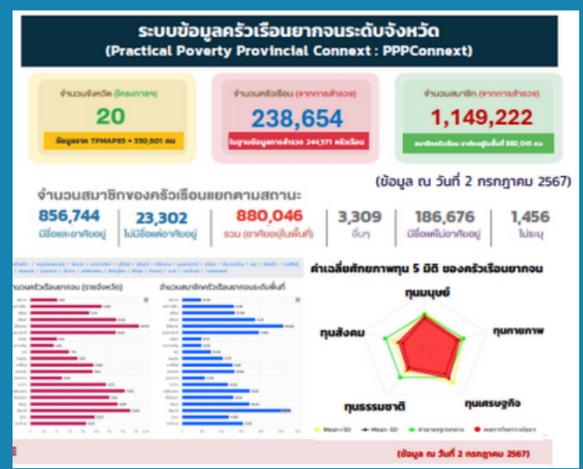
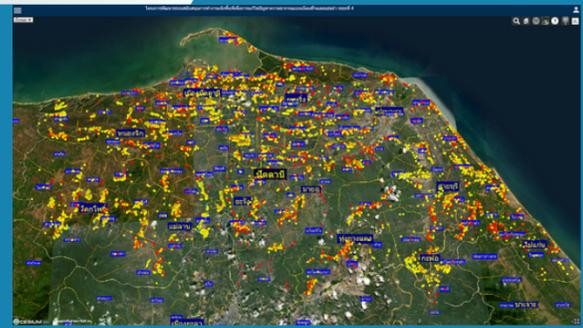
AREA-BASED RESEARCH AND DEVELOPMENT PROJECT ON POVERTY ERADICATION IN PATTANI PROVINCE, THAILAND



1 CONTEXTUAL ANALYSIS



2 THE PROVINCIAL POOR HOUSEHOLD DATA SYSTEM



3 OPERATING MODEL

SRA for Poverty Alleviation and Social Mobility

- การยกระดับเศรษฐกิจฐานรากในจังหวัดปัตตานีโดยส่งเสริมทักษะอาชีพและการแปรรูปอาหารทะเลลดห่วงโซ่คุณค่า
- การยกระดับเศรษฐกิจฐานรากในจังหวัดปัตตานีโดยส่งเสริมการท่องเที่ยวเชิงสร้างสรรค์ในชุมชนชายฝั่งทะเล
- การยกระดับคุณภาพชีวิตอย่างองค์รวม Eco-Pattani: Ecology creates economy in Pattani

CASE EXAMPLES ON SOCIAL ENGAGEMENT



Applying Appropriate Technology to Increase Household Income

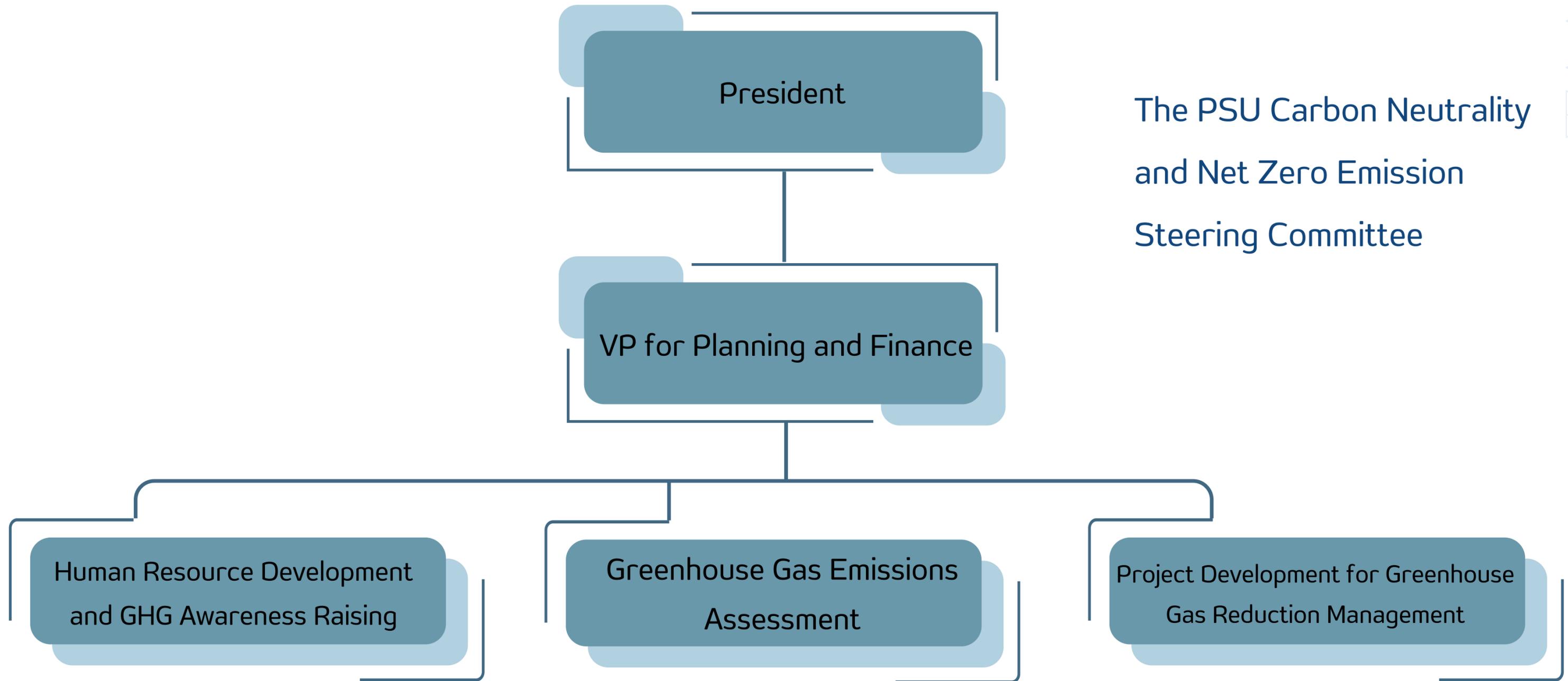
- Scrubber System for Soot and Smoke Capture to Address Pollution in the Fish-Boiling Process
- Solar-Powered Drying System
- Energy-Efficient Biomass Stove System to Reduce Production Costs for Community Enterprises
- Feed Grinding, Mixing, and Pelletizing Machine to Lower Livestock-Raising Costs for Low-Income Households



The project has helped increase the average income of participating households by approximately 20%.

More than 150 households—about 750 people—have already benefited, covering fishing, farming, and livestock groups, all of whom are low-income or have limited access to technology.

CONTRIBUTIONS TO CLIMATE ACTION



CONTRIBUTIONS TO CLIMATE ACTION



PSU, together with Pattani Province, has created a pilot model area to drive carbon credits, aiming toward Carbon Neutrality and Net Zero Emissions.

Jointly establishing guidelines and activities to reduce greenhouse gas emissions, such as:

- Promoting the use of renewable energy
- Solid waste management
- Reforestation
- Building community awareness

The focus is on participation from all sectors—government, private sector, and the public.

Discussions also include the development of carbon credit projects, which serve as an important tool for reducing greenhouse gas emissions and generating income for local communities.

CONTRIBUTIONS TO BIODIVERSITY



The Study of Endangered Wildlife on Phra Thong Island along the Andaman Coast

- Focusing on monitoring wildlife populations and understanding ecosystem dynamics, particularly species of ecological significance and cultural importance to local communities, including large herbivores, waterbirds, and seasonal aquatic plants.
- Initiating collaborations between scientists, local authorities, and the island's resident communities.



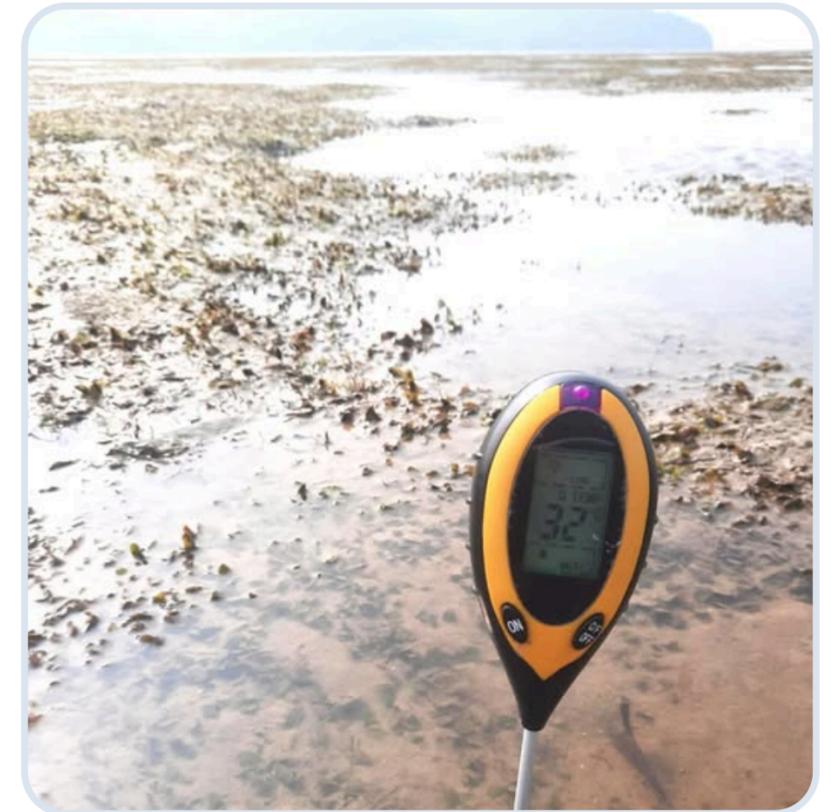
CONTRIBUTIONS TO BIODIVERSITY



PSU's Dugong and Seagrass Research Station

Focusing on research, conservation, and restoration of coastal resources, particularly in four key areas:

-  Dugong Research
-  Seagrass Ecology
-  Conservation & Restoration
-  Education & Outreach



CONTRIBUTIONS TO FOOD SYSTEMS

The university has research centers related to the food system, covering the entire value chain from upstream–midstream–downstream, including research and implementations.

- International Center of Excellence in Seafood Science and Innovation
- Center of Excellence in Functional Foods and Gastronomy
- Agro-Industry Development Center for Export (ADCET)
- Center of Excellence in Agricultural Biotechnology and Natural Resources
- Center of Excellence in Agricultural and Natural Resources Biotechnology

CONTRIBUTIONS TO FOOD SYSTEMS

- » Using innovation to develop local Chinese culinary wisdom in Trang Province and managing risks toward commercial food enterprises
- » Kutut Talee Air: Processed products of Talee Air Subdistrict, Yaring District, Pattani Province under the poverty-alleviation model operation 'Tali-ai Tastes'
- » Dried anchovy products by the Panare artisanal fishing community, Pattani Province, developed under the brand 'PLA NARE,' initiating online market expansion for export to China
- » Bekhla Chicken, a hybrid chicken breed developed by crossing Betong chicken with meat-type chicken by PSU to make their meats tender, juicy, low fat, low cholesterol, and high in omega content

**THANK
YOU**

