

# Call for Proposal

## NCKU Sustainable Interdisciplinary Integrated Project

### 1. Overview

This project aims to bolster the research and development capabilities of National Cheng Kung University (NCKU), foster and develop interdisciplinary cooperation, and promote the formation of outstanding cross-college and interdisciplinary research teams. Aligned with the United Nations Sustainable Development Goals, the project seeks to advance NCKU's goal of contributing to sustainable development in human society. Additionally, it seeks to increase NCKU's global recognition and impact.

### 2. Team Composition and Eligibility Requirements

- (1) Proposals must include at least three subprojects and be comprised of full-time teaching faculty, clinical faculty, contracted teaching faculty, and researchers (excluding Postdoctoral researchers) from at least three colleges. At least one Co-PI should hold the rank of associate professor/associate researcher or assistant professor/assistant researcher.
- (2) Each member (including the project PI and Co-PI) is limited to participate in one project only.
- (3) The project type is a single integrated project with the PI responsible for overall planning, coordination, research progress and outcome of the project.

### 3. Project Duration and Funding

- (1) The implementation period is 2 years, starting from the date of approval and ending on December 31st, 2024. The maximum annual budget for each integrated project is 2 million NTD. A maximum of 50 projects will be approved annually. Each project will undergo an annual review, and funding may be adjusted or cancelled based on the review outcome.
- (2) The funding categories include equipment costs, general expenses, salaries for part-time assistants, and travel expenses abroad. The research and development outcomes will be owned by National Cheng Kung University.
- (3) The use of project funding must comply with the "Principles for the Use of Higher Education Sprout Project Funding" and the university guidelines for the annual budget execution of the Higher Education Sprout Project.

### 4. How to Apply & Deadline

- (1) The proposal must follow the format and guidelines provided. The proposal should not exceed 8 pages in total (excluding references and PI/Co-PI personal information), and [exhibit a smooth and effective integration of its content](#). Note that the personal information, publications and supplemental materials for each PI are strictly limited to 2 pages.
- (2) Submission

- A. All applications must be submitted online through the application portal (<https://ordb.ncku.edu.tw/calpa/>) before the submission deadline.
  - B. For any inquiries, please contact the Office of Research and Development at National Cheng Kung University.
- (3) Application Deadline  
March 10th 2023 at 17:00 TST. Late submissions will not be accepted.

## 5. Review Process

- (1) Review Focus
  - A. Proposals should be aligned with the United Nations Sustainable Development Goals (SDGs). For more information, please refer to the research theme templates in Annex 1.
  - B. Proposals that demonstrate forward-thinking, innovative, sustainable, and competitive views are preferred.
  - C. Mid-career teaching and research faculty are encouraged to serve as the PI to enhance interdisciplinary integration and complementarity within the research team.
- (2) Review Process

The University President will appoint a panel of local scholars and experts to form an academic review committee. This committee will conduct the project review, including the initial review, final review, and annual performance review.
- (3) Announcement of Project Approval

Following the completion of two-stage reviews, the Research and Development Office at NCKU will announce the results on the official web page.

## 6. Project Outcome Review

- (1) Annually, a detailed outcome report is required to be submitted, with an oral presentation to be given by the PI and Co-PI at the NCKU Science Day, where their participation in the entire event will be considered as a key factor in the project evaluation and will be taken into consideration for funding review in the following year.
- (2) The annual outcome report should include a self-assessment of performance, covering the goal attainment and results. The report format will be provided after project approval.

## **Annex 1: Research Theme Templates**

1. R&D of various technologies for energy harvesting, storage, conservation, and carbon reduction (SDG7, 9).
2. Big data analysis and response strategies for climate change affecting ecosystems (SDG13, 14, 15).
3. Rapid screening diagnostic development and disease prevention strategies for easily mutated infectious microorganisms (SDG3, 6).
4. Application of data governance to establish a mechanism for evaluating student learning outcomes and promoting strategies (SDG4, 8, 17).
5. Application of big data analysis, financial technology and digital transformation in the planning and management of sustainable supply chains (SDG12).
6. Research on campus sustainability (SDG4, 6, 9, 11, 13).
7. Strategies for improving human living quality and preserving natural and cultural heritage (SDG11, 3, 9)
8. Strategies for optimizing national governance mechanisms and promoting diverse forms of participation (SDG16, 17)
9. The impact of smart agriculture and fisheries development on economic development (SDG2, 8, 12, 14, 15, 16)

Note: The 17 themes of the United Nations Sustainable Development Goals (SDGs) include (SDG1) ending poverty, (SDG2) ending hunger, (SDG3) good health and well-being, (SDG4) quality education, (SDG5) gender equality, (SDG6) clean water and sanitation, (SDG7) affordable and clean energy, (SDG8) decent work and economic growth, (SDG9) innovation and infrastructure, (SDG10) reducing inequalities, (SDG11) sustainable cities and communities, (SDG12) responsible consumption and production, (SDG13) climate action, (SDG14) life below water, (SDG15) life on land, (SDG16) peace, justice and strong institutions, (SDG17) partnerships for the goals.

(For more information regarding SDGs, kindly refer to the United Nations Sustainable Development Goals (UN SDGs) official website: <https://sdgs.un.org/goals>)