About this report

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Editorial Guidelines

The 2024 NCNU Campus Sustainability Report (hereinafter referred to as "this report") was the 3rd Campus Sustainability Report, CSR. NCNU「Environmental Protection and Occupational Safety and Health Center」collected and edited this report in accordance with the UN's Sustainable Development Goals (SDGs). This report has explored the significance of the impacts for both actual and potential on the environment, economy, and people (including human rights) in terms of sustainability at NCNU, which could be a useful reference for the public viewers after related performance disclosure.

Reporting period and issuance

The scope of this report disclosed the data and information from Aug. 1, 2023~Janu. 31, 2024 to Janu.1~Dec. 31, 2024. Some contents included information prior to Aug. 1, 23.
NCNU Campus Sustainability Report published regularly.
Previous edition: published in July, 24.
Current edition: published in July, 25.
Next edition: est. publish in July, 26.

Report boundary and scope

NCNU was the main subject in the scope of content information of this report.

Writing basis

This report was core option edited based on the Global Reporting Initiative, GRI criteria as well as responded to UN's "Sustainable Development Goals (SDGs)" and disclosed practices, to compile the 3rd NCNU Campus Sustainability Report.

Restatement of information

The university's 2024 report contains no restatement of information.

Management approach

◎ **Internal management**

NCNU Sustainable Campus Report Team has provided the rough draft of this report. The accuracy and the integrity of the information and the data were viewed via supervisors from various units. Furthermore, the Environmental Protection and Occupational Safety and Health Center collected and edited this report as confirmed by the president before issuance.

◎ **External certifications**

NCNU engaged Ernst & Young to perform limited assurance on selected information in this report, in terms of ROC Accounting Research and Development Foundation's Assurance Standards No. 3,000「assurance engagements other than audits or reviews of historical financial information.」
See Appendix OO of this report for further details.

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"To be responsible for our future by fulfilling society's needs"

Situated in the culturally rich and literarily vibrant Puli Township, Nantou County, NCNU became a pivotal center of knowledge, leading the development of the Shui Sha Lian region after the diligent efforts of its successive presidents. The critical challenge remained to stand firm and forge ahead for maintaining the success. To this end, NCNU positioned itself as a comprehensive university with both international perspective and local implementation, in order to become a distinguished and sustainable international university.

NCNU prioritized sustainability by having solar installations with a capacity of 8,640 kWp to aim for a net zero emissions campus by 2043. Over 60 full-time instructors practiced locally across five colleges with an average of 36 courses and over 1,000 students in related local practice each year. These efforts had been recognized with the National Sustainable Development Awards from the Executive Yuan and the Environmental Education Facility Accreditation from the Ministry of Environment. Additionally, NCNU received a total of NT$93.16 million from the Ministry of Education's Higher Education SPROUT Project. This was a 13.2% increase, which was the highest subsidy among domestic public mid-sized universities since last year.

As a result, NCNU had been ranked 118th from The World University Ranking for Innovation (WURI) in 2024.

Confronting the challenges in the higher education environment, NCNU was poised to benefit from its strategic guidelines on refined culture, sustainable operation, and international perspective as approached its 30th anniversary. Pursued innovations and broke boundaries after maintaining a dynamic balance between globalization and localization, to implement "international thinking with local practice," NCNU aimed to cultivate future leaders endowed with global vision and social responsibility.
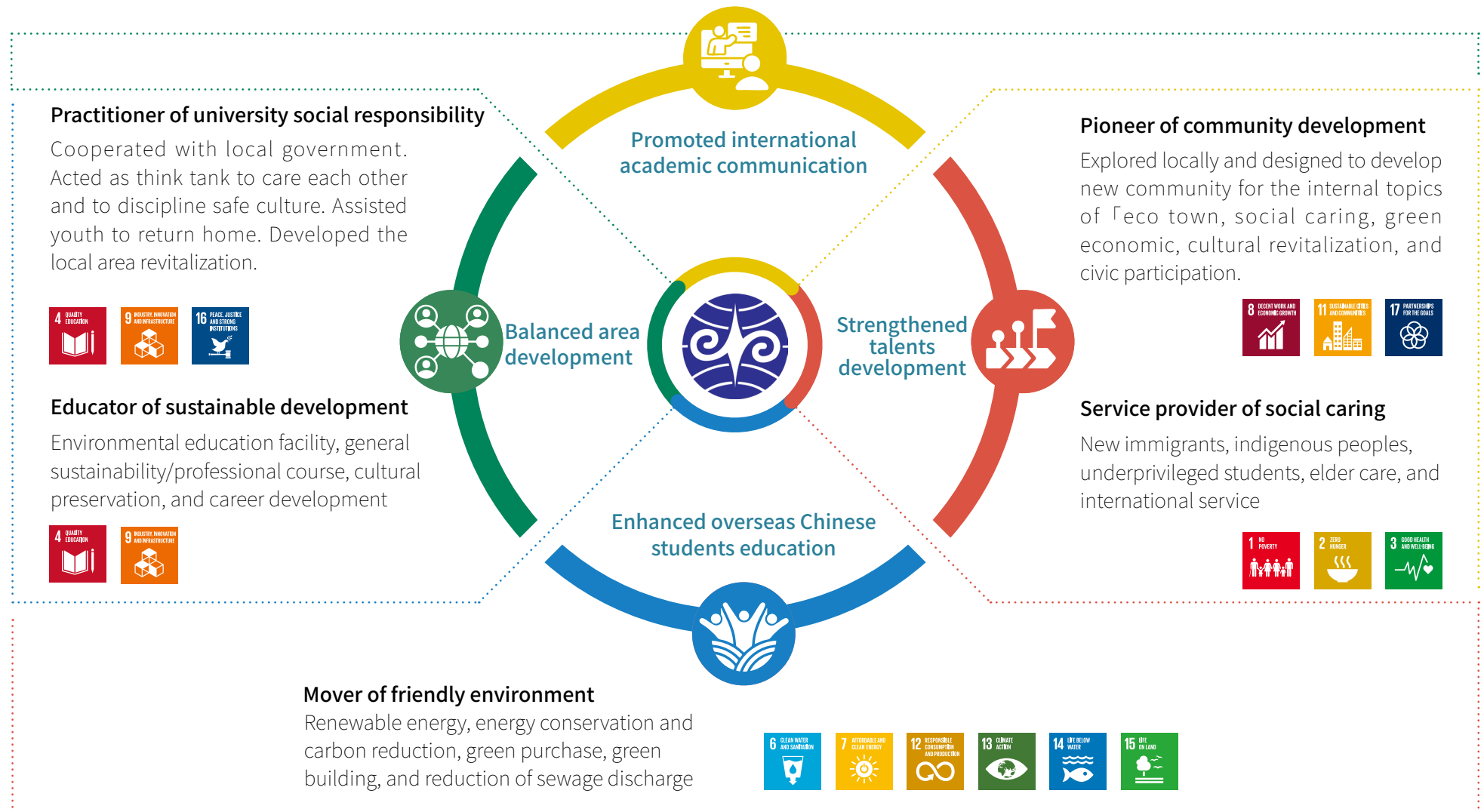
headmaster

Dr. Dong-Sing Wuu
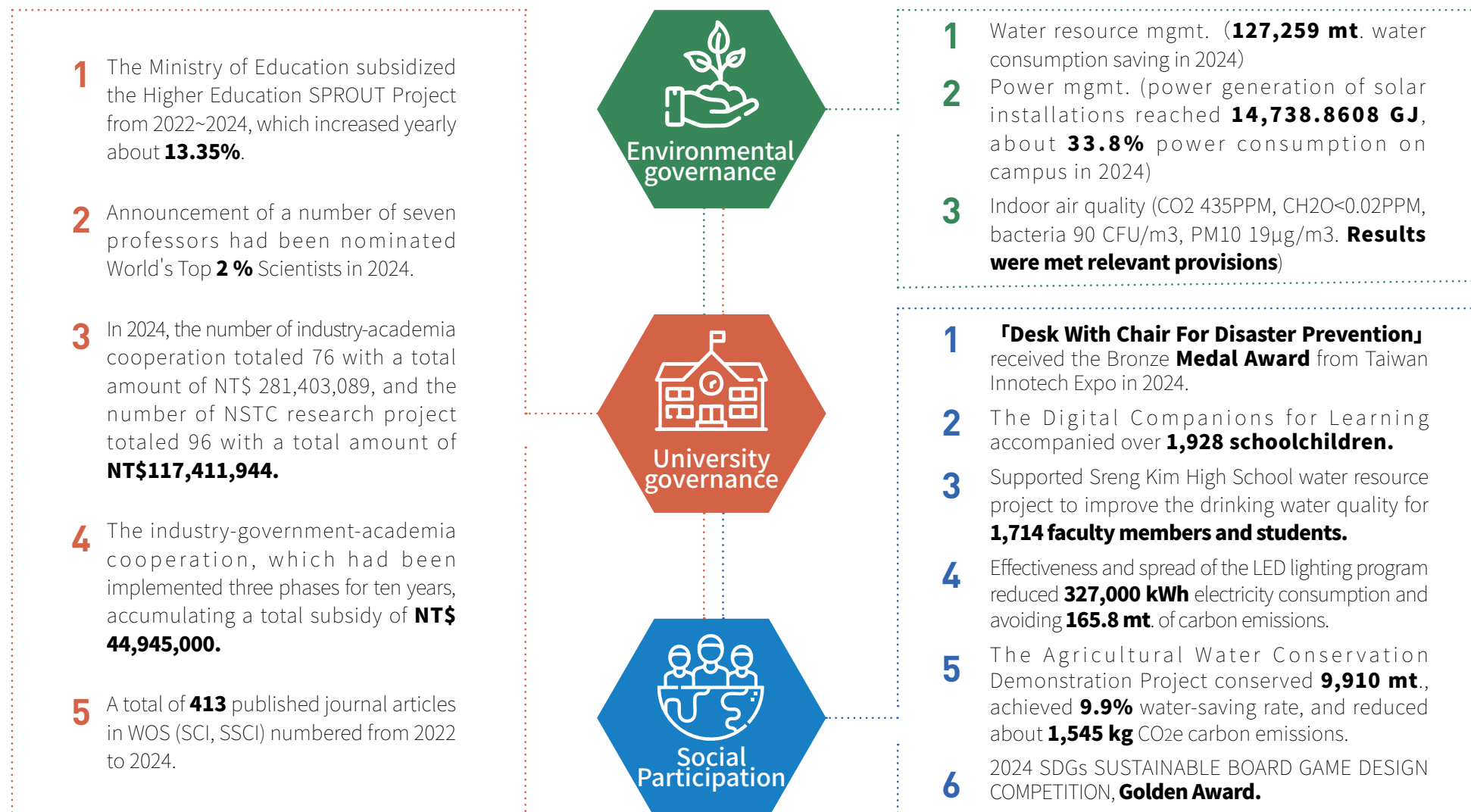
Images of sustainable development

GRI 2-23

President, deans of colleges, and senior supervisors worked together for the purpose of "intensifying Shui Sha Lian, going towards Southeast Asia, sprouting the higher education, and revitalizing the local area" in combination with UN's "Sustainable Development Goals (SDGs)."

Promoted international academic communication

Practitioner of university social responsibility
Cooperated with local government. Acted as think tank to care each other and to discipline safe culture. Assisted youth to return home. Developed the local area revitalization.

4 QUALITY EDUCATION　9 INDUSTRY, INNOVATION AND INFRASTRUCTURE　16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Balanced area development

Educator of sustainable development
Environmental education facility, general sustainability/professional course, cultural preservation, and career development

4 QUALITY EDUCATION　9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Strengthened talents development

Pioneer of community development
Explored locally and designed to develop new community for the internal topics of 「eco town, social caring, green economic, cultural revitalization, and civic participation.

8 DECENT WORK AND ECONOMIC GROWTH　11 SUSTAINABLE CITIES AND COMMUNITIES　17 PARTNERSHIPS FOR THE GOALS

Service provider of social caring
New immigrants, indigenous peoples, underprivileged students, elder care, and international service

1 NO POVERTY　2 ZERO HUNGER　3 GOOD HEALTH AND WELL-BEING

Enhanced overseas Chinese students education

Mover of friendly environment
Renewable energy, energy conservation and carbon reduction, green purchase, green building, and reduction of sewage discharge

6 CLEAN WATER AND SANITATION　7 AFFORDABLE AND CLEAN ENERGY　12 RESPONSIBLE CONSUMPTION AND PRODUCTION　13 CLIMATE ACTION　14 LIFE BELOW WATER　15 LIFE ON LAND

Performance of NCNU Sustainable Development

GRI 2-23

President, deans of colleges, and senior supervisors worked together for the purpose of "intensifying Shui Sha Lian, going towards Southeast Asia, sprouting the higher education, and revitalizing the local area" in combination with UN's "Sustainable Development Goals (SDGs)."

Environmental governance

1 The Ministry of Education subsidized the Higher Education SPROUT Project from 2022~2024, which increased yearly about **13.35%**.

2 Announcement of a number of seven professors had been nominated World's Top **2 %** Scientists in 2024.

3 In 2024, the number of industry-academia cooperation totaled 76 with a total amount of NT$ 281,403,089, and the number of NSTC research project totaled 96 with a total amount of **NT$117,411,944.**

4 The industry-government-academia cooperation, which had been implemented three phases for ten years, accumulating a total subsidy of **NT$ 44,945,000.**

5 A total of **413** published journal articles in WOS (SCI, SSCI) numbered from 2022 to 2024.

Environmental governance

1 Water resource mgmt. (**127,259 mt**. water consumption saving in 2024)

2 Power mgmt. (power generation of solar installations reached **14,738.8608 GJ**, about **33.8%** power consumption on campus in 2024)

3 Indoor air quality (CO2 435PPM, CH2O<0.02PPM, bacteria 90 CFU/m3, PM10 19μg/m3. **Results were met relevant provisions**)

University governance

1 「**Desk With Chair For Disaster Prevention**」 received the Bronze **Medal Award** from Taiwan Innotech Expo in 2024.

2 The Digital Companions for Learning accompanied over **1,928 schoolchildren.**

3 Supported Sreng Kim High School water resource project to improve the drinking water quality for **1,714 faculty members and students.**

4 Effectiveness and spread of the LED lighting program reduced **327,000 kWh** electricity consumption and avoiding **165.8 mt**. of carbon emissions.

5 The Agricultural Water Conservation Demonstration Project conserved **9,910 mt**., achieved **9.9%** water-saving rate, and reduced about **1,545 kg** CO2e carbon emissions.

6 2024 SDGs SUSTAINABLE BOARD GAME DESIGN COMPETITION, **Golden Award.**

Social Participation

Performance highlights in recent years

44th place in 2024 Ranking
World Top **50** 「Setting & Infrastructure」
ranked **2**nd place for five consecutive years
Comprehensive University ranked **1**st place
domestically for eight consecutive years

Global Top 300 Innovative Universities 118th

NCNU and Nantou County Government signed an MoU to establish "Designated Shelters for Preventive Evacuation and Special Needs Placement."

NCNU continued to strengthen the ability of disaster prevention on campus by providing student dormitories as emergency shelters and improving operational processes. Meanwhile, installed **21** emergency generators and energy storage systems, maintaining regularly to ensure their proper functions.

Taiwan-Japan Local Revitalization and Service Innovation Exchange Forum in May 2024

Worked with 2024 Asia-Pacific Social Innovation Summit by holding the "Taiwan-Japan Local Revitalization and Service Innovation Exchange Forum" to invite 12 Japanese local revitalization practitioners for knowledge exchange with industrialist in Qingjing and Puli.

To cultivate the first cohort of nursing professionals locally for Nantou County

NCNU established a Department of Nursing for the Indigenous Special Program in Elderly Health and Long-Term Care Management. The first cohort of 47 students, a new force to the county's medical workforce, commenced clinical internships in medical fields working in concert with government long-term care policies to improve the shortage of healthcare professionals and the challenges of rural medical services in Nantou, May 2024.

Ranked1501+ in 2024

Ranked 501+ in 2024

Ranked global 801-1000th place in 2024

Asia-Pacific Sustainability Action Awards」Golden Award in 2024

《TAISE》

APSAA & TSAA Awards Ceremony in 2024

Honored with the Asia-Pacific **Sustainability Action Awards, Golden Award** in 2024, NCNU's "Green Shui Sha Lian Sustainable Value and Talents Development Program," demonstrating its outstanding achievements in the field of University Social Responsibility (USR). Ministry of Education recognized this program as a role model for USR in Taiwan, which marked a major breakthrough in promoting sustainable development and local revitalization.

Taiwan University Sustainability Awards in 2024

Received the "Taiwan University Sustainability Awards, Golden Award of Sustainability Reporting in 2024" from former Minister of Education.

NCNU received Taiwan University Sustainability Awards in 2024 for its outstanding performance in sustainable development. The remarkable achievements from individual category of Golden Award of Sustainability Reporting in 2024 included environmental sustainability, social responsibility, and governance of institutional research. Notably, innovative initiatives, such as solar power installations and smart transportation solutions helped to build low carbon campus successfully toward the goal of net zero emissions by 2043.

Introduction of low carbon transportation solutions on campus in 2024

Introduced the e-scooter as a new green mobility solution in 2024, not only provided faculty and students with a more convenient mode of transportation but also reduced carbon emission from motorcycles. This achieved a more friendly campus mobility ecosystem by encouraging the use of e-scooters on campus and public transportation off campus.

Supporting the basis for Sustainable Development of University Social Responsibility (USR)

Center for Institutional Research provided fully analytical data support for assisting the fulfillment of social responsibility and achievement of Sustainable Development Goals (SDGs). Below was the concrete results of strengthening quality of education and promoting decision-making of institutional affairs after data analysis:

Core business outcomes

❶ Research Reporting System

Released subject-based research reports on a quarterly basis, covering the aspects of institutional research development, faculty teaching, and student learning then summarized them annually with comprehensive analyses and recommendations. As a result, identified areas for improvement then proposed innovative solutions to ensure long-term sustainability. Reports not only supported decision-making on campus but also directly implemented University Social Responsibility (USR) objectives.

❷ Promoting transparency of information

Center for Institutional Research issued a bi-monthly e-newsletter on a regular basis since July 2023, with a total of nine issues until the end of December 2024. Achieved 40%-45% reach rate, including topics such as analysis of university USR civic indicator and surveys on sophomore learning habits to promote the transparency in institutional research development. This not only fostered on/off campus communication but also encouraged social groups' participation toward the sustainable development of education.

❸ Enhancement of quality management

The core was based on PDCA (Plan-Do-Check-Act) to complete in-depth analysis of three main subjects. Data-driven decision making raised suggestions for improving the core topics of institutional development. Reassessed resource allocation after the performance analysis of economically or culturally disadvantaged students. In addition, adjusted policies after studies on the reasons of student withdrawal and dropout.

❹ Plans' performance evaluation, precision review and improvement

Conducted plans' performance evaluation, such as institutional research development plans, parts of Higher Education SPROUT Project, others (over NT$20 million), and plans across fiscal years. Evaluated nine of them in 2023 and seven of them in 2024, achieving a 100% evaluation rate. Focused not only on short-term benefits but also on the creation of long-term value ensuring each resource investment contributed to institutional advancement. This ensured optimal resource allocation for University Social Responsibility Practice Project, promoting sustainable development benefits.
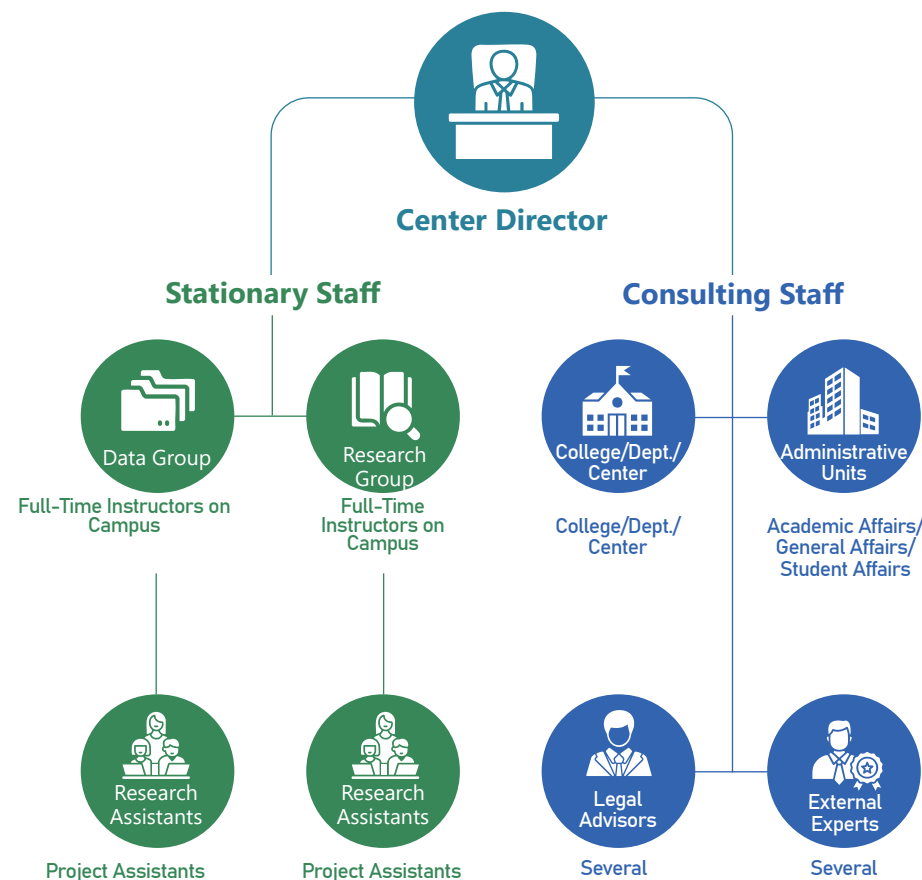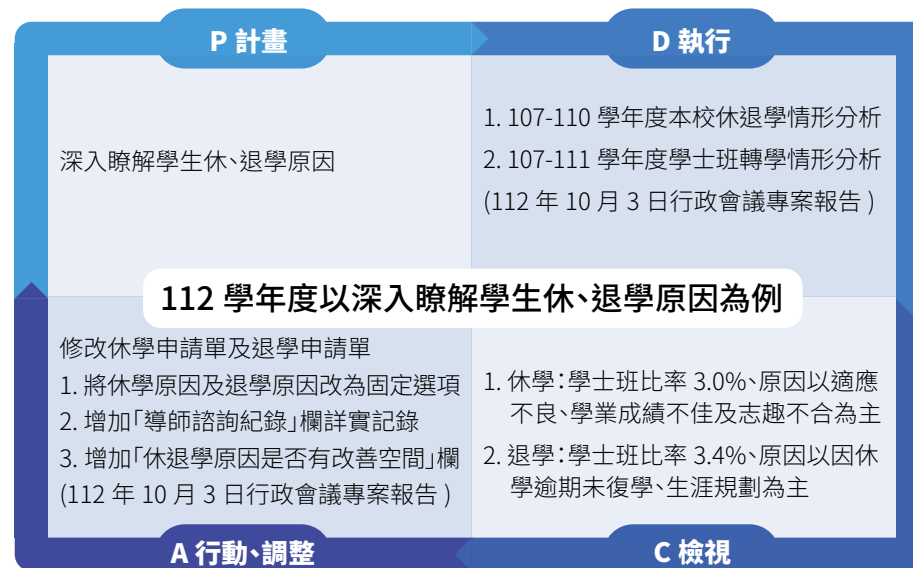

▼ 01.Organizational structure

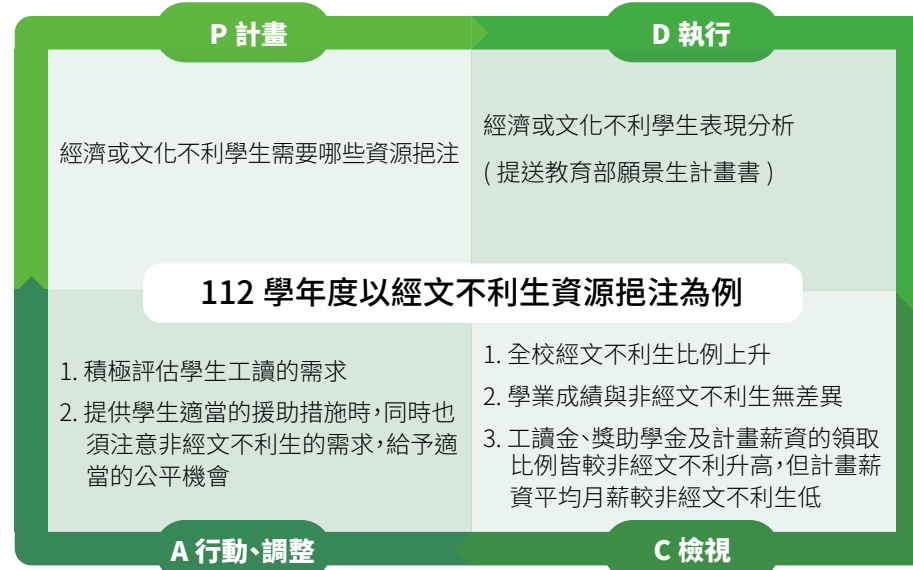02.Annual report

03.E-newsletter

112 學年度以深入瞭解學生休、退學原因為例

P 計畫	D 執行
深入瞭解學生休、退學原因	1. 107-110 學年度本校休退學情形分析 2. 107-111 學年度學士班轉學情形分析 (112 年 10 月 3 日行政會議專案報告)
A 行動、調整	**C 檢視**
修改休學申請單及退學申請單 1. 將休學原因及退學原因改為固定選項 2. 增加「導師諮詢紀錄」欄詳實記錄 3. 增加「休退學原因是否有改善空間」欄 (112 年 10 月 3 日行政會議專案報告)	1. 休學：學士班比率 3.0%、原因以適應 不良、學業成績不佳及志趣不合為主 2. 退學：學士班比率 3.4%、原因以因休 學逾期未復學、生涯規劃為主

112 學年度以經文不利生資源挹注為例

P 計畫	D 執行
經濟或文化不利學生需要哪些資源挹注	經濟或文化不利學生表現分析 (提送教育部願景生計畫書)
A 行動、調整	**C 檢視**
1. 積極評估學生工讀的需求 2. 提供學生適當的援助措施時,同時也 須注意非經文不利生的需求,給予適 當的公平機會	1. 全校經文不利生比例上升 2. 學業成績與非經文不利生無差異 3. 工讀金、獎助學金及計畫薪資的領取 比例皆較非經文不利升高,但計畫薪 資平均月薪較非經文不利生低

04.Examples of PDCA

Communications with stakeholders

GRI 2-25、2-26

NCNU interacted faculty staff, and students internally and organizations, groups, and individuals externally while promoting sustainable development. Multi-communications with stakeholders were offered since the impact of operations by the performance of sustainable development in this respect, not only improving the transparency of NCNU governance but also providing the opportunity of sending feedback from stakeholders for a more comprehensive campus sustainability.

NCNU important open communication channels

Official website   Focal point

Social website (「Facebook fanpage」、YouTube 「NCNU NEWS」official channel、Instagram 「ncnu_taiwan」fanpage」、「ncnu_pangoball fanpage」、「暨大生活圈 Line@」、「暨大校友會 Line@」)

Stakeholders	Faculty, staff, and students	Students parents	Entrepreneurs	Government agencies	Alumni	People/NGO (Non-government organization)	Suppliers
Meaning to NCNU	Most important asset	Meet demand and expectation	Meet demand and expectation	Regulation compliance and supervision	Most important asset	Transform local area into on-site teaching	Important partners for satisfying resource of teaching service
Concerned topics	✓ Campus safety ✓ Staff salary and benefit ✓ Learning resource ✓ Employment opportunity	✓ Governance ✓ Brand vision ✓ Learning resource ✓ Employment	✓ Student quality and ability ✓ Industry-academia cooperation and energy R&D	✓ Plan implementation effectiveness ✓ Univ. evaluation	✓ Graduates career development ✓ Graduates employment	✓ Learning resource ✓ Student quality and ability ✓ Brand vision	✓ Supplier mgmt ✓ Payment terms
Forms of communication and frequency	✓ New faculty symposium ✓ Faculty social group ✓ Faculty/students meeting ✓ Mgmt. and labor council ✓ Dept., college, and institutional affairs	✓ Parents/faculty symposium ✓ Orientation ✓ University expo ✓ Admission information	✓ Industry-academia forum ✓ Employment expo. ✓ Enterprise conference ✓ Enterprise visit ✓ Internship meeting (before the beginning of intern.)	✓ Explanation session of competence authority ✓ Field trip evaluation ✓ Meeting of president/dean of academic affairs of national university and college ✓ Result report (in terms of demand)	✓ Alumni back home ✓ Alumni association ✓ Graduates survey (once a year)	✓ Service learning ✓ House rental expo ✓ The publicity of education ✓ Community fellowship ✓ Process activity (by year, by semester, or on occasions)	✓ Government Procurement Team ✓ Supplier meeting (in terms of demand)