

1 July 2023 to
30 June 2024

Annual Report on
Recurrent Funding

for **Knowledge
Transfer**

Annual Report on Recurrent Funding

for Knowledge Transfer (KT) 2023 / 24

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1. Executive Summary

In 2023/24, Lingnan University has been advancing as a **comprehensive university in arts and sciences in the digital era**. With our newly established **School of Data Science** and the advancement of our **School of Interdisciplinary Studies**, Lingnan transitions into an innovation hub that cultivates talents and excels in transformative innovations, research and knowledge transfer that generate societal impact. In integrating arts and sciences, our R&D endeavours are expected to spark novel interdisciplinary insights and creative problem-solving approaches. Underpinned by a culture of collaboration and entrepreneurship across disciplines, we are working to bring technology closer to society and humanity.

In this report, we highlight **expanded scopes** of development in such areas as **data science, artificial intelligence (AI), biological sciences, and environmental sustainability**, which open up new avenues for collaboration and knowledge sharing with external partners. Notably, we have established significant **strategic cooperation framework agreements** with several entities in **Shandong**, and a Memorandum of Cooperation with the **State Key Laboratory of Synthetical Automation for Process Industries of Northeastern University** in the Mainland.

To **nurture the entrepreneurial talent**, our students and young graduates are supported by the **Lingnan University Entrepreneurship Fund** and the internal **Innovation and Impact Fund** in realising their business ideas. In the reporting period, 9 proposals were funded for **\$1.1 million** as shown in Annex 3.2. Furthermore, our partnership with **Peking University** has led to the first-ever **Lingnan-Yuanpei STEM Summer Academy**, which offered students a unique opportunity to engage in inter-university entrepreneurship training experiences.

On the commercialisation front, the “**smart toilet solution**” as devised by Lingnan researchers and promoted by our industry partner has reached positive milestones. The PureAura, a **mini air purifier** designed by our Lingnan Entrepreneurship Initiative, has received international recognition in winning the prestigious **iF Design Awards** and the **49th Geneva International Exhibition of Inventions**.

Thanks to UGC’s KT Fund that we have utilised to support our **Impact Case Support Fund** which in its second year continues to be the catalyst for our academic departments to build substantial cases of high impact, including our Department of Cultural Studies in **tackling youth employment and poverty through creating commons**, our Department of Management in **nurturing a supportive workplace through leadership**, our Department of Government and International Affairs in **reassessing identity shift in Hong Kong**, and our Department of Sociology and Social Policy in **empowering low-income families living in subdivided units**.

In the three Impact Cases in Section 6 of this report, our faculty members have created significant impact in **amplifying marginalised voices** through socially engaged art; improving the effectiveness of **monitoring mosquito-borne diseases** through the GeoAI solution; and **raising public awareness of domestic worker issues**.

The ensuing Sections will present our key achievements in the structure as prescribed by UGC for this report.

2. New KT Strategic and Infrastructure Development

2.1 Expanded Scopes of Research and Development in the Digital Era

In the reporting period, the University was excited to welcome world-class scientists to join the University including Prof S. Joe QIN and Prof Raymond CHAN from the City University of Hong Kong, Prof Xin YAO from the Southern University of Science and Technology, and Prof Sam KWONG from the City University of Hong Kong. They are renowned for their expertise in data science, scientific computing and artificial intelligence (AI). Also a leading scholar who has become a member of us is Prof Xi CHEN from Columbia University in material science and environmental engineering. They have taken up the positions of President, Vice-President (Academics) cum Provost, Vice-President (Research and Innovation), Associate Vice-President (Strategic Research) and Dean of the School of Interdisciplinary Studies respectively, to strengthen Lingnan's research in **data science, AI, natural sciences, and interdisciplinary studies**. With top talents being attracted to Lingnan, we are building a **vibrant and interdisciplinary environment** for innovation, cutting-edge research and knowledge transfer.

Under the leadership of our new President and senior management, Lingnan keeps building on its strengths in Humanities, Business and Social Sciences, and **has expanded into new scopes of research and development in data science, artificial intelligence (AI), biological sciences, carbon neutrality, and environmental sustainability engineering**. Our solid teams of scientists are determined to **drive technological advancements for the betterment of society and humankind**.

2.2 School of Data Science



Lingnan is on an upward trajectory of development and transformation in integrating the use of data science tools in learning, research, and **fostering a culture of innovation and entrepreneurship among students, faculty and staff**.

Since May 2024, the School of Data Science (SDS) has been officially established as a **premier incubator for data innovation in Asia**, nurturing leading

data scientists with both technical and soft skills through interdisciplinary research and studies to meet complex needs of Hong Kong and beyond. A vibrant environment of innovation is built for scholars, research postgraduate students, and industry practitioners to collaborate and advance knowledge frontiers in this new school which comprises:

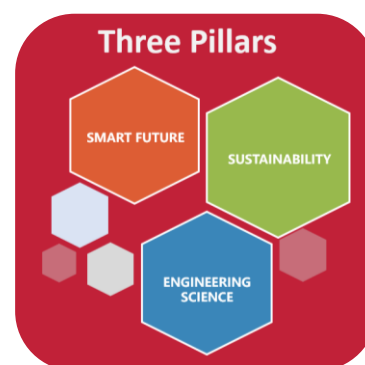
- ◆ **Division of Artificial Intelligence**
- ◆ **Division of Industrial Data Science**
- ◆ **LEO Dr David P. Chan Institute of Data Science**

The strengths of SDS and our School of Interdisciplinary Studies are complementary in promoting valuable synergies across diverse fields of study, especially in **STEM and environmental science**. Typical examples are their research initiatives in the AI-driven evolution of advanced energy systems and the prospects of engineering the carbon loop, which **address challenges of the climate change** by cutting greenhouse gas emissions and promoting energy efficiency.

2.3 School of Interdisciplinary Studies

Under the leadership of the new Dean, the School positions at the fusion of excellence of interdisciplinary R&D that is centred around **sustainability** and underpinned by fundamental **engineering science** for a **smart future**. It is in a unique position of promoting Lingnan's broader impact, particularly in **translational research and knowledge transfer through its four teams in:**

- ◆ Clean energy and energy storage
- ◆ Climate change and carbon neutrality
- ◆ AI-driven design of smart materials and biomedical network
- ◆ Sustainable environment / infrastructure of AI adoption



2.4 Lingnan University Institute for Advanced Study

To bridge the gap between science and the liberal arts, this recently established Institute is emerging as a key centre of research and innovation in the **integration of sciences and arts**. It serves as a dynamic platform for promoting interdisciplinary and transdisciplinary research and knowledge transfer in fields of Science, Arts and Humanities, Social and Management Sciences.



Eminent scholars and experts from all over the world and diverse academic fields are brought together to work on new knowledge that leads to innovative solutions to complex problems. Prof Samuel C.C. TING, Nobel Laureate in Physics, serves as the Honorary Director of the Institute. The first cohort of Lingnan Fellows of the Institute include members of the US NAE and NAS, academicians of the Chinese Academy of Science, and Member of the French Academy of Sciences.



2.5 Shenzhen Research Institute

Lingnan signed an agreement with the **Shenzhen Technology and Innovation Commission** in November 2023 to officially become a member of the Shenzhen Virtual University Park. Our Shenzhen Research Institute will be set up in the Park as a **comprehensive platform for scientific research, knowledge transfer, enterprise incubation and talent cultivation**. It is designed to leverage Lingnan's strengths in business, big data, AI and zero-emission sustainability to support developments of the Guangdong-Hong Kong-Macao Greater Bay Area (GBA), and to reinforce innovations of the University.

2.6 Extended Infrastructure

Lingnan@WestKowloon

"Lingnan@WestKowloon", the new 20,000-square-foot satellite campus in the **M+ Tower** of West Kowloon Cultural District, has been fully operational since October 2023. It supports a wide range of professional development, KT and collaborative activities in town.

Chamber of Young Snow Art Exhibition Hall

With generous support from the Chamber of Young Snow Company Limited, the University has strengthened its KT capacity by setting up the Chamber of Young Snow Art Exhibition Hall. Among other initiatives, the Hall provides a stage to showcase valuable Chinese arts and host special exhibitions on a regular basis. It seeks to promote the interest of the general public in Chinese art and their appreciation for it in a global context.



Lingnan Hub

On the main campus, the construction of a **co-living and co-working space** called the **Lingnan Hub** is close to completion. Scheduled to officially open in 2024/25, the Hub exemplifies our unwavering commitment to **fostering innovation, nurturing growth**, and enhancing the learning experiences of our staff and students.

2.7 New Substantial Funding for Technology Transfer

Lingnan has newly become one of the designated universities to receive funding support for Technology Transfer Offices (TTOs) by the Innovation and Technology Commission (ITC) of the HKSAR Government. An annual funding of up to \$16 million for 2024/25 is provided to enhance the TT efforts of the University. This is a significant milestone of Lingnan in receiving the recognition of ITC for our strengths in science and technology research and development with our new hires of world-class researchers and collaborations with industry partners.

2.8 Gaining the NSFC Supporting Institution Status

Lingnan has been approved to be a new Supporting Institution (Hong Kong and Macau) of the National Natural Science Foundation of China (NSFC) upon a vetting process by the Foundation on the research and management strengths of the University. This significant achievement opens up a multitude of research and funding opportunities for our scholars under these funds:

- ◆ NSFC Young Scientists Fund
- ◆ NSFC Excellent Young Scientists Fund
- ◆ NSFC Distinguished Young Scientists Fund

3. Mainland and International Collaboration

3.1 Boosting green, low-carbon, and AI development

In May 2024, Lingnan signed significant strategic cooperation framework agreements with **Rizhao City, Shandong Province, Shandong Hi-Speed Group Co, Ltd., Shandong Huge Dental Material Co., Ltd., and Hong Kong Applied Science and Technology Research Institute Company Limited** on collaborations in green, low-carbon, and AI development. The collaborations aim to leverage each party's unique strengths in talent,



research, and industry. It is a significant starting point to **advance Shandong-Hong Kong cooperation** in broader fields, at higher levels, and to greater depths, thus making new and greater contributions to the economic and social development of both regions.

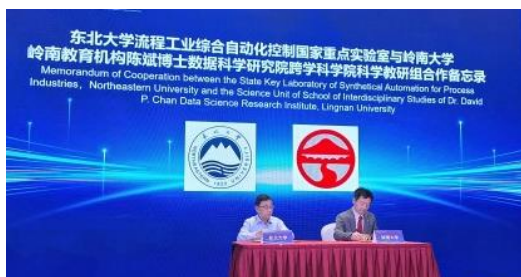
The strategic agreements mark an important milestone in Lingnan's integration into our national development. Efforts will be made to implement technologies such as distributed CCUS (Carbon Capture, Utilisation, and Storage), and to **promote the commercialisation of Lingnan's achievements in carbon capture materials**, stimulating the development of outstanding enterprises, as well as **creating a new green and low-carbon brand for Shandong**.

In collaboration with partner institutions, Lingnan will promote collaborative innovation, establish new R&D institutions, and accelerate the commercialisation of technological achievements. In particular, Lingnan and **Shandong Huge Dental Material Co., Ltd.** will collaborate on the **development of new dental materials based on AI technology**.



3.2 Strengthening collaboration with Peking University and Northeastern University

In September 2023, a delegation from Lingnan led by our President, Prof S. Joe QIN, visited universities in Shenyang and Beijing to strengthen academic relations and collaborations.



In Shenyang, Prof Qin signed a Memorandum of Cooperation between Lingnan and the **State Key Laboratory of Synthetical Automation for Process Industries of Northeastern University**.

In Beijing, Prof Qin and his delegation met with Prof Qihuang GONG, President of **Peking University** on

strengthening collaborations in the fields of data science, AI, and humanities. Prof Qin also visited Yuanpei College of Peking University, where it was agreed that Lingnan and Yuanpei would collaborate in innovation education and **cultivating student entrepreneurship**. The partnership has then led to the **first-ever Lingnan-Yuanpei STEM Summer Academy** which is detailed in Section 4.1 of this report.

3.3 Forging Psychology collaborations in the Greater Bay Area

In 2023/24, our Department of Psychology forged and renewed several important partnerships with leading institutions across the Greater Bay Area. This included renewing a 5-year agreement with **Sun Yat-sen University (SYSU)** to integrate resources for joint projects. Another notable collaboration was the 5-year cooperation agreement signed with the Department of Psychology of **Renmin University of China (RUC)**, broadening research collaboration and professional development.

Lingnan's growing stature in psychology is also reflected in the invitation by SYSU to join the **Guangdong-Hong Kong-Macau University Psychology Alliance** as a working founding member. Lingnan will leverage the strengths of its Psychology Department to contribute extensively to the alliance's establishment, which is scheduled for July 2024. Other founding members include the South China Normal University, Shenzhen University, Beijing Normal University at Zhuhai, The Chinese University of Hong Kong, The University of Hong Kong, and the University of Macau.

3.4 Improving depression treatment using AI

Promoting international partnerships and collaborations has been a cornerstone of our research and KT strategy. In our successful proposal for the Healthy Longevity Catalyst Awards (Hong Kong), our principal investigator, Prof Haoran XIE of the School of Data Science, collaborates with the **University of Southern Queensland** and the **Belmont Private Hospital** in Australia for the project “*AI-Powered Multimodal Patient Progressive Profiles for Personalised Depression Treatment by Repetitive Transcranial Magnetic Stimulation*”.

3.5 Promoting Chinese Literature and Culture

The Advanced Institute for Global Chinese Studies (AIGCS) is dedicated to promoting the global impact that can be generated from the studies of Chinese literature and culture. It actively collaborates with local, regional and international media outlets for knowledge transfer projects. In August 2023, two new books were launched at the **Shanghai Book Fair** in collaboration with **SDX Joint Publishing Company, a leading publishing house in Mainland China**, which enhanced the impact of AIGCS’ work in the Chinese speaking world.

4. Promotion of Entrepreneurship

4.1 Lingnan-Yuanpei STEM Summer Academy

We were glad to launch the first-ever **Lingnan-Yuanpei STEM Summer Academy** in partnership with Yuanpei College of Peking University. It was a new initiative of institutional collaboration, driving innovation in education and cultivating a competitive yet collaborative culture as young entrepreneurs. It provided a valuable platform for students from Lingnan and Yuanpei to come together to exchange knowledge and explore new ideas.

Outstanding students from Lingnan and Yuanpei, majoring in artificial intelligence, data science, business, finance, and philosophy, attended online and offline training seminars, talks on entrepreneurial strategies, and immersive workshops held by experienced business people and top scientists during March to June 2024. They learned about STEM, green technology, high-tech industry development, and innovative commercial processes.

A 7-day **Innovation and Entrepreneurship Training Camp-cum-STEM Competition** then followed in June 2024. 30 participating students formed 5 teams to compete in innovative and entrepreneurial smart green technological projects. The team “Sustainable Green Building” won the championship, and the chance to be nominated for the Lingnan University Entrepreneurship Fund (LUEF), and will be trained up to apply for seed or incubation funds.



4.2 Ideation and Incubation

The **Lingnan University Entrepreneurship Fund (LUEF)** was launched in May 2023 to provide seed grants for start-ups / social enterprises at different stages. It serves as scale-up support for the existing funding schemes of Lingnan, including the **Innovation and Impact Fund (IIF) through the Office of Research and Knowledge Transfer (ORKT)**.



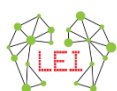
In addition to the IIF supported project, more than 130 applications were received for the LUEF, and a total of \$1.08 million was committed to 8 projects spanning:

- ♦ the use of 3D printing in teaching STEM to SEN students
- ♦ gamified learning of STEAM through a metaverse platform
- ♦ the application of blockchain technology for qualification verification, thereby streamlining the college application process
- ♦ first-person experience of the world of the wheelchair-bound community through virtual reality
- ♦ the development of a portable device to detect metal ions in water

In addition, the **Pre-incubation for Innovators and Entrepreneurs (PIE) Programme** in collaboration with the **Hong Kong Science and Technology Park (HKSTP)** had supported four proposals and offered each up to \$100,000 seed money for Lingnan entrepreneurs to realise their start-up ideas.



4.3 Expanding into the GBA



The Lingnan Entrepreneurship Initiative (LEI) continued to design and execute programmes with our partners in the GBA. In 2023/24, the **Innovation & Entrepreneurship (I&E) in GBA Summer Academy** was jointly organised with the **Guangdong University of Technology (GDUT)**. A group of 30 Lingnan and mainland students had the chance to explore I&E in the GBA, with trips and visits to start-ups in Shenzhen, Guangzhou and Hong Kong. The programme was so successful that the students formed an inter-university team themselves, and explored applying blockchain technology in the insurance industry and participated in the **Qianhai GBA Youth Innovation and Entrepreneurship Competition**. In addition, LEI continued to explore partnership opportunities with identified ecosystem stakeholders in Mainland China, such as **Nansha, Zhuhai and Foshan**, in the areas of **resources sharing** and **capacity building programmes** for students.



4.4 Training and Exposure

The University has the role to empower students with the knowledge and skills necessary for **social innovation** and become the **agents of change**. Lingnan students are equipped with design thinking and problem-solving skills in the University's entrepreneurship courses, design thinking workshops and outreach programmes that foster creativity and social entrepreneurship. They are given a wide range of opportunities to engage in community-based research projects, service-learning projects, and faculty members' KT projects.

International Innovation & Entrepreneurship Trips

- to enhance students' global exposure to innovation, humanitarian technology, inclusive business and entrepreneurship

Joint Humanitarian Entrepreneurship Winter / Summer Academy

Winter Academy: 3-8 Jan 2024, Philippines

Summer Academy: 27 May - 9 Jun 2024, Philippines



Analysing data with local agriculture experts and students



Professionalising the waste sector in video documentation

Innovation and Entrepreneurship Programme at UCLA Extension

1-9 Jan 2024



University Innovation Fellows (UIF) Programme by Stanford d. School

Global Meetup: 12-14 Apr 2024



Nurturing Student Innovators through Competitive Challenges

Lingnan students were encouraged to put their ideas to the test, and to participate in a diverse array of bootcamps and competitions. In the reporting year, LEI actively promoted around 10 such events, providing students with invaluable **pre-event training**, guidance, and support in **personalised consultation, advising, and mentorship**.

Exciting opportunities ranged from the **Impact Innovation Lab** hosted by **MakerBay Foundation** to the **Techathon** organised by **HKSTP**. Students had the chance to showcase their entrepreneurial talents in initiatives like **Cyberport's CUPP Web3.0** and the **Young Entrepreneur Project**. Moreover, LEI connected students with global challenges such as **the International Desert Sustainable Development Proposal Competition** by The Kubeqi Award. Back on our campus, the **Hostel Entrepreneurship Lab** by our **Office of Student Affairs (OSA)** offered the platform for students to test and refine their innovative ideas.

Through these programmes and opportunities, LEI empowered students in translating their visions into reality, fostering a culture of hands-on learning and real-world problem solving.

5. Commercialisation and Industrial Collaboration

5.1 Smart solution for predictive maintenance of public toilets



Supported by the **Innovation and Technology Fund** of the Innovation and Technology Commission, the **Partnership Research Programme (PRP)** project entitled “*Smart Toilet: An AIoT Based Predictive Maintenance Solution*” has developed a smart solution using Artificial Intelligence of Things (AIoT) technologies for predictive maintenance of public toilets in collaboration with the industry partner **Triple Faith Engineering and Supply Chain Limited**.

In the reporting period, the commercialisation of the solution had reached positive and promising developments. The solution was officially launched by Triple Faith in various business development and marketing activities. Target markets such as property management companies were identified, and connections were established through industry expos and seminars. Marketing efforts such as website updates, marketing materials, and industry engagements had generated interest from target customers, particularly property management companies.

5.2 Data-driven intelligent logistics dispatch system for improving operational efficiency

Funded by **Ji An Dahe Industrial Manufacturing Company Limited**, the project entitled “*A Study on Digital Transformation of Enterprises*” under our **Hong Kong Institute of Business Studies** was completed in November 2023 with a **China Invention Patent** filed.

Invention Title: Intelligent Logistics Dispatch Control Device and Method for Supply Chains

Inventors: Dr Yanlong GUO, Prof Mingming LENG and Prof Liping LIANG

The invention is a **data-driven intelligent logistics dispatch control device and method** with functions to collect, process and analyse data from end users, and enables target companies to monitor their supply chains and generate timely forecast. Advantages of the system include (1) improving operational efficiency, (2) mitigating supply chain risk, and (3) enabling customisation according to business needs.



5.3 PureAura shines at iF Design Awards and Geneva International Exhibition of Inventions



The mini air purifier PureAura, designed and developed by Lingnan Entrepreneurship Initiative (LEI), was awarded the prestigious 2024 **iF Design Gold Award** in the Product-Building Technology category. The iF Design Award is widely regarded as the “**Oscars**” of the **design industry**. The humanitarian design of PureAura stood out, earning it one of only 75 iF Design Gold Awards given out in 2024. This formal recognition places Lingnan alongside global giants such as Apple, Sony, Samsung, Toyota, and HP, that also received Gold Awards of the year. **Lingnan is the sole Hong Kong institution, and one of just eight universities worldwide**, to be honoured with this prestigious accolade since the inception of Gold Awards in 1954. PureAura is made of recyclable plastic materials. It exemplifies environmental sustainability as well as addressing indoor air quality. **Judges of the iF Design Awards praised PureAura as a fine example of humanitarian technology.** In April

2024, LEI team met with over 50 companies and participants at the iF Design Award ceremony in Berlin to further promote PureAura and explore commercialisation opportunities and business partnerships in Europe.



The excellent design also received a **Gold Medal** at the **49th International Exhibition of Inventions of Geneva** in April 2024. During the exhibition, there were visitors showing interests in PureAura and inquired about the pricing and distribution channels. The LEI team actively engaged

exhibitors from Hong Kong, Asia, and Europe to **explore potential collaborations, partnerships and market insights**. Feedback collected from the panel and visitors helped the LEI team **further enhance the product and develop marketing strategies**. **Partnerships** will be explored in applying PureAura in various settings such as **construction sites and hospitals**.

5.4 Industrial Collaboration on R&D projects

To enhance research impact, Lingnan has developed strategic partnerships with business companies and industrial organisations on R&D projects. In the reporting period, projects in the following had been exemplary cases of collaboration led by our academics in addressing societal challenges.

- ❖ \$1 million **Shenzhen Science and Technology Programme** project titled “*Research on Shenzhen Metro Passenger Flow Big Data Dimensionality Reduction Real-time Modeling, Congestion Alarming and Smart Commuting Methods*”, conducted by President S. Joe QIN in collaboration with Shenzhen Metro Group Company
- ❖ \$4 million **Innovation and Technology Fund** project in using Geospatial Artificial Intelligence (GeoAI) technique and big data analysis to tackle mosquito problems, conducted by Prof Paulina WONG of our Science Unit in collaboration with Triple Faith Engineering & Supply Limited, with the support of the Food and Environmental Hygiene Department (FEHD), secondary schools and residential estates (more details in Section 6 of this report).

6. Social Impact and Support for Community

Lingnan is committed to making social impact in a wide range of **R&D, social engagement and cultural projects**, as exemplified in the three **Impact Cases** below.

Case 1: Amplifying marginalised voices through socially engaged art

To empower marginalised communities through socially engaged art, Lingnan organised the exhibition “The Ordinary Matters” in January - February 2024 on campus. Curated by Prof Yu-chieh LI of the Department of Digital Arts and Creative Industries, the exhibition features artwork co-created by the artist-in-residence Jing Y and individuals from different social classes including migrant workers. Delving into the hidden stories of people on the fringes of society, thought-provoking multimedia installations explored family relationships of marginalised communities, how they live, and their personal values, and reinforced our belief in the power of creativity to



transform lives.

Social and Cultural Impact

This exhibition is part of the KT project on experimental models of socially engaged art as supported by our Innovation and Impact Fund. Migrant workers and their families, rural and urban youth, NGO staff and educators from Mainland China, as well as Indonesian domestic workers in Hong Kong were engaged in workshops and activities related to the exhibition. Topics such as family relationships, equal opportunities and the educational environment for the working class and their children were explored with dialogues across social classes and cultural groups. The exhibition and workshop had engaged over 1,600 participants in presenting them new possibilities, prompting deep reflection, and widening their horizons to the power of art and creation in influencing people's lives.

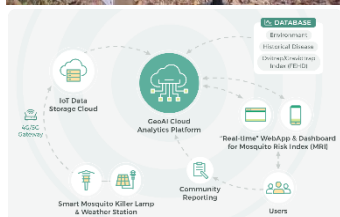
Case 2: Improving effectiveness of monitoring mosquito-borne diseases



Mosquitoes transmit diseases easily, and some are fatal. In view of such, our Science Unit (SU) has developed a Geospatial artificial intelligence (GeoAI) system, which combines GeoAI technology, an internet of things (IoT) platform, and geographic information to generate a **Mosquito Risk Index** and a **Mosquito Risk Map for the general public** with real-time information about mosquito infestations on a regional basis to help Hong Kong in predicting mosquito infestations and **controlling mosquito-borne diseases** with the use of big data analysis.



LingU develops tracking map to boost mosquito control
Reported by RTHK
Source: <https://news.rthk.hk/rthk/en/component/k2/1724558-20231024.htm>



The project was led by Prof Paulina WONG and has received \$4 million from the Innovation and Technology Fund (ITF) Partnership Research Programme and the industry partner, Triple Faith Engineering & Supply Limited. The GeoAI Cloud Analytics Platform analyses the mosquito population and meteorological data provided by Lingnan's **Intelligent Mosquito Killer Lamps system**, which has been **installed in 16 districts in Hong Kong**, coupled with environmental data such as the location of vegetation and water sources in the area and mosquito trap indices from the Food and Environmental Hygiene Department of the HKSAR Government. Crucially, the GeoAI platform incorporates crowdsourced data, and invites the public to report mosquito sightings and bites. The community-generated information is then combined with the

platform's analytics to enhance accuracy in mosquito predictions. The project exemplifies the **interdisciplinary approach** that leverages geospatial analytics, IoT, and **community engagement** to **address a critical public health challenge**. A **press briefing** was held in October 2023 which was widely reported in the media like the **RTHK, TVB News, HK01, Hong Kong Economic Times, Oriental Daily, Sing Tao Daily, Commercial Radio, AM730, Wen Wei Po, Ta Kung Pao, and The Standard**.

Environmental Impact

By analysing the information with advanced GeoAI techniques, the system generates a real-time Mosquito Risk Index and interactive Mosquito Risk Map. These tools **provide the public with up-to-date assessments of mosquito activity in different neighbourhoods**, allowing residents to make informed decisions about where to go. The whole area of Hong Kong is analysed in

fractions of thousands to compute the ones with a higher number of mosquitoes. **Property managers** and **government officials** can use this to **take preventative measures**, like targeted spraying, to stop the spread of mosquitoes.

Case 3: Raising Public Awareness of Domestic Worker Issues

Most Chinese-language media reports concerning migrant domestic workers (MDW) in Hong Kong fail to report their mistreatment factually, independently and critically, and focus on news appeal while neglecting the deeper roots of this important issue which is related to power and the interplay of gender, race, ethnicity, and class, according to a recent study by Lingnan. Such news stories distance the community from the sufferings of MDW, reinforcing inequalities, and inhibiting discussion that may lead to improved policies, practices and awareness.



In order to better understand Chinese-language media representations of MDW in Hong Kong, and their wider significance and effects on societal perceptions of MDW issues, Prof Janet HO and Prof Andrew SEWELL of the Department of English embarked on a project to analyse MDW mistreatment reports in the Chinese-language media, as funded by the Early Career Scheme of the Research Grants Council. They analysed 398 reports published between 2010 and 2019 in three popular Chinese-language newspapers, and examined the **discursive representations of perpetrators and victims** in the reports. The study placed media discourse within a broader sociological framework in order to highlight its important role, and to stress the inherent intersectionality of MDW issues.

Social and Industry Impact

As revealed by the study, the way that MDW mistreatment was framed in Hong Kong's Chinese-language news reports, and the discursive representation of both perpetrators and victims had contributed to community-wide stereotypes of MDW, while maintaining existing relations of employer dominance, as well as social control and structural inequality, which in turn set the stage for continued domestic abuse. To raise public awareness of the issue, a press release was issued in November 2023 which had been widely reported by local and international media platforms including **RTHK, China Daily and Washington Daily News**. The report also highlighted the need for researchers to **engage with journalists and the general public to challenge negative representations and fight discrimination**.

7. Way Forward

Moving forward, we shall build upon our achievements and leverage our research strengths to achieve our research and KT goals and uphold the University's motto "Education for Service" through knowledge creation and dissemination. We shall further enhance our performance by:

- ◆ forging closer partnerships and collaborations with world-class researchers, industry partners, business associations, NGOs, government and other stakeholders;
- ◆ actively seeking opportunities of joint projects and technology transfer, creating new dimensions for technology development in Hong Kong and the GBA;
- ◆ encouraging our academics to have direct communication and engagement with industry stakeholders to understand their needs and develop tailored solutions;
- ◆ seeking and allocating resources to further strengthen our capacity, ensuring that our research and expertise reach and benefit a broader audience.

July 2024

Key Performance Indicators
(Data 1 July 2023 – 30 June 2024)

			Last Year	This Year
Key Performance Indicators			2022/23	2023/24
1.	Number of patents filed in the year		2	1
2.	Number of on-going contract researches and income thereby generated	Number of projects	32	35
		Cumulative income from projects	\$19,114,994	20,811,044
		Total contract value	\$29,900,143	29,756,346
3.	Number of on-going social projects and income thereby generated	Number of projects	32	34
		Cumulative income from projects	\$76,822,052	73,894,032
		Total contract value	\$156,313,719	136,030,356
4.	Number of professional projects including consultancies, and income thereby generated	Number of projects	25	22
		Cumulative income from projects	\$10,669,739	7,723,001
		Total contract value	\$14,163,436	14,494,327
5.	Income received from Continuing Professional Development (CPD) courses		\$152,917,134	226,365,369
	Total Income for Items (2)+(3)+(4)+(5)		\$259,523,919	328,793,446 ↑27%
	Total Contract Value for Items (2)+(3)+(4)		\$200,377,298	180,281,029

		Last Year	This Year
Key Performance Indicators		2022/23	2023/24
6.	Number of public lectures delivered in the year	180	186
7.	Number of performances arts (music, dance, drama, etc.) delivered in the year	0	1
8.	Number of exhibitions conducted in the year	8 (4 on campus, 4 off campus)	11 (3 on campus, 8 off campus)
9.	Number of other KT activities conducted in the year	544 <u>including:</u> - KT projects/ activities, and professional training: 332 - KT activities in Entrepreneurship and Innovation: 100 - KT activities in Service Learning: 112	531 <u>including:</u> - KT projects/ activities, and professional training: 292 - KT activities in Entrepreneurship and Innovation: 129 - KT activities in Service Learning: 110
	Total Number of Social, Community and Cultural Engagement in Items (6)+(7)+(8)+(9)	732	729
10.	Innovation and Impact Fund (IIF) - KT Programme as supported by the UGC KT Fund – number of on-going projects	19	10
11.	Number of staff engaged as members of external advisory bodies including professional, industry, government, statutory or non-statutory bodies	31 staff members (taking up 83 roles on advisory bodies)	33 staff members (taking up 97 roles on advisory bodies)
12.	Number of download count of thesis, books and journal papers from “Lingnan Repository” by the public	111,609	150,677
13.	Total number of beneficiaries from KT projects / activities	90,050	118,000

Project List

Newly funded in 2023/24

Entrepreneurship Programme

- 1) Pawallel
- 2) Climate Incubator
- 3) STEM to SEN 3D printing
- 4) STEAMeta
- 5) Moon Lab
- 6) Re:action
- 7) V-Yuntu
- 8) Portable sewage ion detector
- 9) Reverse

KT Programme

I. Business and Economy, Raising Professional Standards

- 10) Train the trainers – Developing a practical handbook to inform systematic and comprehensive capacity building for university residential tutors

In progress in 2023/24

KT Programme

I. Business and Economy, Raising Professional Standards

- 1) Developing a play-based, emotion-regulation training programme for preschoolers in Hong Kong
- 2) Constructing a “Carbon Neutrality Index” for the Small and Medium-sized Enterprises in Hong Kong
- 3) Cognitive profile and neural characteristics of gifted and typically developing students
- 4) Acoustic-based contact-free gesture recognition for human-computer interaction

Completed in 2023/24

I. Building a Caring and Understanding Society

- 1) Reducing the linguistic prejudice towards migrant domestic workers in Hong Kong

II. Business and Economy, Raising Professional Standards

- 2) Promoting the Hong Kong-Mainland Economic Integration Index for policy analysis and discourse

III. Revitalising Heritage, Arts and Culture Outreach

- 3) Hong Kong film history in digital media
- 4) Using translation to promote cross-linguistic and cross-cultural awareness in the community
- 5) Creative practices as affective archive: A collaboration with female migrant workers

Projects newly funded in this reporting year

Entrepreneurship Programme

1. Pawallel

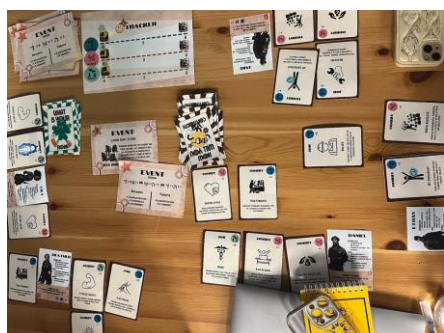


- To promote the appropriate ways and attitudes of treating community animals, as well as the concepts of animal rights and animal-friendly community

Student Team Leader:

Coco CHEUNG, Lingnan undergraduate student

2. Climate Incubator



- To provide a platform for job matching, training, mentorship and career development in the green economy

Student Team Leader:

Carly LEUNG, Lingnan graduate

3. STEM to SEN 3D printing



- To utilise 3D printing to enhance STEM education for students with special educational needs

Student Team Leader:

Peggy YUEN, Lingnan graduate

4. STEAMeta

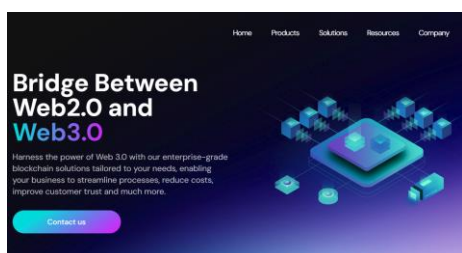


- To provide a metaverse platform for STEAM education, applying the gamified learning

Student Team Leader:

Tommy SUEN, Lingnan graduate

5. Moon Lab



- To establish a platform that connects blockchain developers with customers seeking blockchain-based solutions, offering standard and customisable APIs through the platform

Student Team Leader:

Elvis WANG, Lingnan graduate

6. Re:action



- To provide an immersive VR/AR platform that simulates the experiences of wheelchair users, for the purpose of training the newly disabled and educating the able-bodied

Student Team Leader:

Wilson TSANG, Lingnan graduate

7. V-Yuntu



首页导览

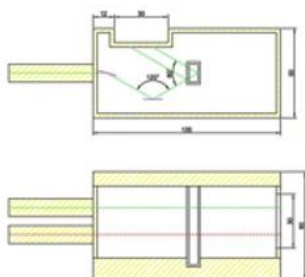
界面展示

- To provide a platform for immersive VR/AR experience of Chinese art and culture including traditional Chinese opera, involving 3D modelling for the backend environment, as well as a front-end customer acquisition platform

Student Team Leader:

Xiaoqi ZENG, Lingnan postgraduate student

8. Portable Sewage Ion Detector



- To develop a portable device that can detect metal ions in water, reducing the costs for detection and monitoring of water quality

Student Team Leader:

Kai LIN, Lingnan postgraduate student

9. Reverse



- To provide online shoppers with a flexible shopping mode that combines orders of different customers for discount offerings

Student Team Leader:

Calvin CHEUK, Lingnan undergraduate student

KT Programme

I. Business and Economy, Raising Professional Standards



10. Train the Trainers – Developing a Practical Handbook to Inform Systematic and Comprehensive Capacity Building for University Residential Tutors




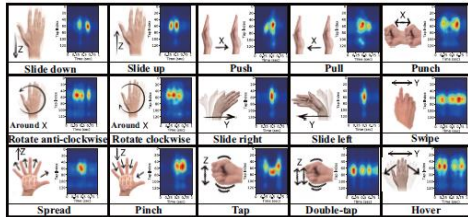
- To Inform capacity building for residential tutors of universities through developing a practical handbook and training

Target beneficiaries: Student affairs offices, hall tutors and wardens of universities in Hong Kong


Project Leader: Prof Michelle CHENG, School of Graduate Studies

I. Business and Economy, Raising Professional Standards				
Project Title Project Leader	Performance Indicators			
	Beneficiary Types	Quantitative Indicators	Qualitative Indicators	No. of External Partners
1 Developing a play-based, emotion-regulation training programme for preschoolers in Hong Kong Prof Vivian LUN, Department of Psychology, Faculty of Social Sciences 	◆ Kindergarten teachers, young children and their parents	◆ A briefing session for 14 teachers was conducted at the school ◆ Two briefing sessions were conducted for 20-30 parents in each session ◆ 105 caregivers participated in the programme at different stages ◆ A total of 29 one-hour training sessions were delivered to children	◆ Heightened parents' and teachers' awareness about children's psychological well-being ◆ Positive feedback was received from parents that the programme was useful in helping their children to learn about emotion and emotion regulation	2
2 Constructing a "Carbon Neutrality Index" for the Small and Medium-sized Enterprises in Hong Kong Prof LIANG Liping, Hong Kong Institute of Business Studies, Faculty of Business 	◆ SMEs, policy-makers and business associations	◆ 203 survey responses were collected ◆ An initial index model consisting of 3 dimensions for the carbon neutrality index was developed ◆ Two reports on carbon neutrality from the perspective of consumers and catering enterprises respectively were completed and publicised to the public	To be developed	4


I. Business and Economy, Raising Professional Standards

Project Title Project Leader		Performance Indicators			
		Beneficiary Types	Quantitative Indicators	Qualitative Indicators	No. of External Partners
3	Cognitive profile and neural characteristics of gifted and typically developing students Prof Kelvin LUI, Department of Psychology, Faculty of Social Sciences 	◆ Gifted students	◆ A psychology programme was designed and delivered to the gifted students ◆ 33 gifted students were recruited to participate in the project ◆ 20 gifted students and 8 typically developing students were recruited to participate in the research	◆ Positive feedbacks were received from students and partner that the programme broadened the students' horizons in the scope of Psychology and many of students have decided to further study this discipline at university	1
4	Acoustic-based contact-free gesture recognition for human-computer interaction Prof SHEN Jiaxing, School of Data Science 	◆ Gamers playing VR games ◆ People with disabilities ◆ General public	◆ 22 users participated in the survey on the use of contact-free gesture recognition ◆ 80% of the demo system was done ◆ One patent application is under preparation	To be developed	1



I. Building a Caring and Understanding Society

Project Title Project Leader	Performance Indicators			
	Beneficiary Types	Quantitative Indicators	Qualitative Indicators	No. of External Partners
1 Reducing the linguistic prejudice towards migrant domestic workers in Hong Kong Prof Janet HO, Department of English, Faculty of Arts 	<ul style="list-style-type: none"> Secondary school students and teachers, migrant domestic workers, and the general public 	<ul style="list-style-type: none"> A set of workshop materials about informing young adults the mediated representations of migrant domestic workers in Hong Kong was developed Two online talks were conducted 94 secondary school students and teachers participated in the project and 87 testimonials were collected 	<ul style="list-style-type: none"> Enabled secondary school students to reconsider the marginalised and stigmatized identities of MDWs in society and better appreciate their contributions Encouraging and thought-provoking comments and thoughts were collected from high school students 	3

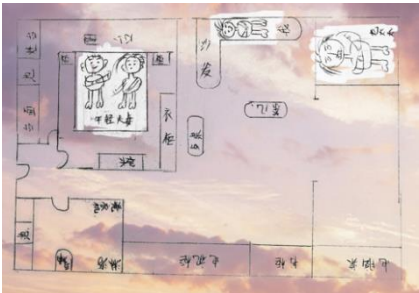
II. Business and Economy, Raising Professional Standards

Project Title Project Leader	Performance Indicators			
	Beneficiary Types	Quantitative Indicators	Qualitative Indicators	No. of External Partners
2 Promoting the Hong Kong-Mainland Economic Integration Index for policy analysis and discourse Prof CUI Geng, Department of Marketing and International Business, Faculty of Business 	<ul style="list-style-type: none"> Industrial analysts and business practitioners Policy analysts and policy-makers 	<ul style="list-style-type: none"> An index report was produced and sent to 22 principal officials of relevant government bureaux and 19 professional associations and industry partners A news release was distributed and had been reported in over 130 media articles 	<ul style="list-style-type: none"> Revealed the positive effect of Hong Kong-Mainland economic integration on the Hong Kong economy Provided important quantitative information and other socio-economic indicators as well as public sentiment towards the government and society Received an acknowledgement from the Financial Secretary's Office of the HKSAR Government that the report had been shared among relevant bureaux for reference 	The project is solely conducted by the project team

III. Revitalising Heritage, Arts and Culture Outreach

Project Title	Performance Indicators			
	Beneficiary Types	Quantitative Indicators	Qualitative Indicators	No. of External Partners
3 Hong Kong film history in digital media Prof Emilie YEH, Centre for Film and Creative Industries, Faculty of Arts 	♦ General public interested in Hong Kong films	♦ The official website set up to showcase the project with articles and videos about HK films had over 11,400 views ♦ The YouTube channel sharing animated clips attracted over 1,000 views ♦ Facebook and Instagram pages sharing posts on the findings on Hong Kong film history attracted 418 and 542 followers respectively ♦ Two walking tours and one hybrid talk were organised	♦ Provided viewers with an eye-catching and informative way to learn about the history and culture of Hong Kong cinema ♦ Inspired a new generation of film enthusiasts to appreciate the rich heritage of Hong Kong films	4
4 Using translation to promote cross-linguistic and cross-cultural awareness in the community Prof Rachel LUNG, Department of Translation, Faculty of Arts 	♦ Secondary school students ♦ English speakers, foreign visitors and the general public	♦ A training workshop was conducted on the cultural and natural heritage of Lai Chi Wo ♦ Two seminars were held for students of two secondary schools ♦ A seminar was held for the members of the Hong Kong Translation Society (HKTS) ♦ A tour of cultural heritage was organised in Lai Chi Wo	♦ Enriched secondary school students' understanding of how translation can aid language learning, serve as the gateway to the diverse cultures both at home and abroad, and encourage creative self-expression ♦ Enhanced the professional/volunteering services offered by professional and community translators ♦ Enhanced the awareness of the importance of environmental protection and the preservation of local cultural heritage in Hong Kong	4

III. Revitalising Heritage, Arts and Culture Outreach



Project Title		Performance Indicators			
Project Leader		Beneficiary Types	Quantitative Indicators	Qualitative Indicators	No. of External Partners
5	<p>Creative practices as affective archive: A collaboration with female migrant workers Prof LI Yu-Chieh, Department of Digital Arts and Creative Industries, Faculty of Arts</p>  <p>Chen'ai and Jing Y., <i>Beijing Apartments</i>, 2019. Postcards. © Chen'ai, Jing Y., and SSR Archive</p>	<ul style="list-style-type: none"> ◆ Migrant families in Guangzhou and Hong Kong ◆ Female workers and the working class people in Mainland China ◆ Indonesian domestic workers and ethnic minority groups ◆ General public 	<ul style="list-style-type: none"> ◆ 7 workshops were conducted ◆ An exhibition was organised and 146 questionnaires were collected ◆ A video introducing the stories of female domestic workers' creations was shared on Instagram and Facebook which had over 90,000 views 	<ul style="list-style-type: none"> ◆ Widened participants' horizons about how art and creation can influence people's lives ◆ Positive comments were received from participants expressing their interest in learning more about realism and community art 	2

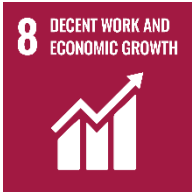
SUSTAINABLE DEVELOPMENT GOALS









KT PROJECTS BY SDG

ANNEX 4

SDG	Project
<p>3 Good Health and Well-being</p> 	<ul style="list-style-type: none"> ▪ Consultancy study of women's helpline services statistics ▪ HK Children Happiness and Life Education Index ▪ Happy Child: Play, talk and understand ▪ Effectiveness study of the <i>Flying Elephants Youth Positive Thinking Enlightenment Programme</i> ▪ Informal caregivers' well-being during COVID-19 in Canada ▪ Digital versions of the memory treasure hunt ▪ Jockey Club so happy so healthy community care project for elders ▪ Jockey Club Gerontechnology and Smart Ageing in Place Project ▪ Smart Intelligent GeoAI Solution to predict & tackle mosquito-borne diseases in Hong Kong ▪ LU Jockey Club Health and Financial Education Programme for Elderly ▪ Gerontechnology 360°Education ▪ Embracing Ageing - Health Management and Promotion Programme ▪ Cognitive profile and neural characteristics of gifted and typically developing students ▪ Developing a play-based, emotion-regulation training programme for preschoolers in Hong Kong ▪ Gerontechnology project in Jiangmen ▪ Students and Happy Ageing with Chinese Medicine Project ▪ Elite Performance: Uncovering the cognitive neural differences between elite young athletes, average young athletes, and normal young people through resting state EEG and task-related ERP measures ▪ Evaluation study on the feasibility and impact on <i>A Classroom Without Age Programme</i>
<p>4 Quality Education</p> 	<ul style="list-style-type: none"> ▪ AI for Chinese Culture and History ▪ e-Learning and teaching resource materials and professional development programmes about the historical development of Hong Kong ▪ ICH Workshops ▪ Linking You to Innovation - Entrepreneurial Training and Internship Programme

SDG	Project
	<ul style="list-style-type: none"> ▪ Jockey Club ICH+ Innovative Heritage Education Programme ▪ STEAM training for elderly ▪ Gerontechnology 360°Education ▪ Cognitive profile and neural characteristics of gifted and typically developing students
<p>8 Decent Work and Economic Growth</p> 	<ul style="list-style-type: none"> ▪ Start-ups incubation and entrepreneurial activities in the GBA ▪ Creating youth commons: Supporting deprived youth ▪ Enhancing organisational competitive advantage on human capital through leadership ▪ Promoting the Hong Kong-Mainland Economic Integration Index for policy analysis and discourse ▪ Linking You to Innovation - Entrepreneurial Training and Internship Programme ▪ Migration, Mobility and Labour
<p>9 Industry, Innovation and Infrastructure</p> 	<ul style="list-style-type: none"> ▪ Intelligent information-based transport system for smarter traffic and safer mobility ▪ Arts and technologies: Theory, applications, and implications for business ▪ Integrating ChatGPT with search engine, recommender system and online advertising to enhance user experience on online service platforms ▪ Research on Shenzhen metro passenger flow big data dimensionality reduction real-time modeling, congestion alarming and smart commuting methods ▪ Enterprise development on digital platform ▪ Humanitarian Technology products – Transparent Mask, Wheelchair control system, Air Purifier ▪ Smart Intelligent GeoAI Solution to predict & tackle mosquito-borne diseases in Hong Kong ▪ Acoustic-based contact-free gesture recognition for human-computer interaction ▪ Cultural innovation using creative AI technologies ▪ Medical text feature representations based on pre-trained language models ▪ Digital transformation of enterprises
<p>10 Reduced Inequalities</p>	<ul style="list-style-type: none"> ▪ Reducing the prejudice towards migrant domestic workers in Hong Kong

SDG	Project
	<ul style="list-style-type: none"> ▪ Digitalised working class culture in smart city ▪ Analysis of public policies for new citizens in the Greater Bay Area ▪ Creative practices as affective archive: A collaboration with female migrant workers
<p>11 Sustainable Cities and Communities</p> 	<ul style="list-style-type: none"> ▪ Hong Kong film history in digital media ▪ Jockey Club ICH+ Innovative Heritage Education Programme ▪ Hong Kong Chronicles ▪ How to Read Chinese Poetry Podcast and Video Program ▪ Chamber of Young Snow Art Exhibition Hall – Chinese Traditional Art and Cultural Sustainability ▪ Intelligent information-based transport system for smarter traffic and safer mobility ▪ Lingnan Chinese Culture Programme ▪ Smart Intelligent GeoAI Solution to predict & tackle mosquito-borne diseases in Hong Kong ▪ Towards sustainable development in Hong Kong: Current status and best practices in business operations
<p>12 Responsible Consumption and Production</p> 	<ul style="list-style-type: none"> ▪ Carbon Neutral Action Project ▪ Integrating ChatGPT with search engine, recommender system and online advertising to enhance user experience on online service platforms ▪ Constructing a Carbon Neutrality Index for the small and medium-sized enterprises in Hong Kong
<p>14 Life below Water</p> 	<ul style="list-style-type: none"> ▪ Estuarine fish biodiversity and food web structure in southern and western Hong Kong waters ▪ Using eDNA metabarcoding to monitor the changes in fish communities after the deployment of artificial reefs in South Lantau Marine Park ▪ Exploring the hidden fish community and fishery value of estuarine mangroves in western Hong Kong waters through environmental DNA metabarcoding ▪ Research and monitoring on Rosy Bitterling <i>Rhodeus ocellatus</i> and freshwater fish at Ho Sheung Heung Area, Sheung Shui ▪ A comprehensive survey of the diadromous animals of Lantau: assessment of distribution, population status, and conservation strategies

SDG	Project
	<ul style="list-style-type: none"> ▪ An integrative taxonomy approach to clarify the status of the short-legged toad (<i>Boulenophrys brachykolos</i>) population in Lantau ▪ Assessing prevalence of pathogens in endangered freshwater turtle populations ▪ ECF – Hong Kong Ocean Environmental Pioneer Academy ▪ Assessing the genetic diversity and ecological role of the endangered wattle-necked softshell turtle (<i>Palea steindachneri</i>) through the study of remnant populations ▪ New technological and traditional behavioural approaches for freshwater turtle conservation ▪ Territory-wide environmental DNA (eDNA) survey on distribution and status of invasive freshwater fish and crayfish
<p>15 Life on Land</p> 	<ul style="list-style-type: none"> ▪ Revitalising farmland ecology to conserve insect pollinators and ecosystem services in Mui Wo ▪ Nature-based greening solutions for insect pollinator conservation and sustainable agriculture development ▪ Conservation of Romer's tree frogs: Assessment of population status across Lantau and impacts of emerging threats ▪ Research on the construction of the ecological corridor system in the Wutong Mountain Scenic Area in Shenzhen ▪ Camera surveillance & trap search in freshwater turtle population key sites ▪ An integrative taxonomy approach to clarify the status of the short-legged toad (<i>Boulenophrys brachykolos</i>) population in Lantau ▪ Study on designs of wildlife friendly measures in catchwaters in Lantau
<p>17 Partnerships for the Goals</p> 	<ul style="list-style-type: none"> ▪ Creative practices as affective archive: A collaboration with female migrant workers ▪ Gerontechnology and Smart Ageing in Place Project ▪ Gerontechnology 360°Education ▪ Jockey Club ICH+ Innovative Heritage Education Programme ▪ Creating youth commons: Supporting deprived youth ▪ Embracing Ageing - Health Management and Promotion Programme ▪ Smart Intelligent GeoAI Solution to predict & tackle mosquito-borne diseases in Hong Kong ▪ Using translation to promote cross-linguistic and cross-cultural awareness in the community



ANNEX 5

Lingnan Entrepreneurship Initiative Highlights and Service Learning Projects 2023/24



Lingnan Entrepreneurship Initiative (LEI)

Performance Indicators	2023/24
No. of community participants	5,687
No. of student participants	977
No. of events and campaigns	99
No. of service hours	3,193



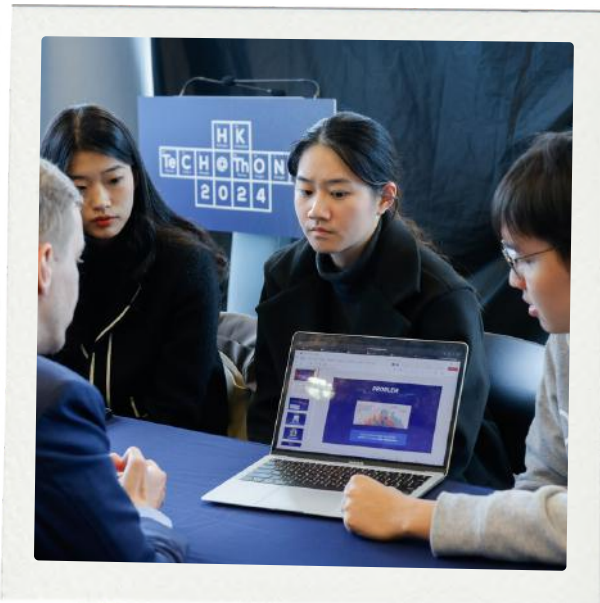
AI-driven “smart shopping cart” jointly developed by LEI and Pui Shing Catholic Secondary School students

LUEF Mixer and Sharing



Lingnan Entrepreneurship Initiative (LEI)

Training & Support



Competitions & Bootcamps



Service-Learning and Research Scheme (SLRS) & Trailblazer Programme (TBP)

Service-Learning and Research Scheme (SLRS)

Performance Indicators	2023/24
No. of beneficiaries	35,682
No. of student participants	955
No. of courses with S-L elements	39
No. of service hours	32,622

Trailblazer Programme (TBP)

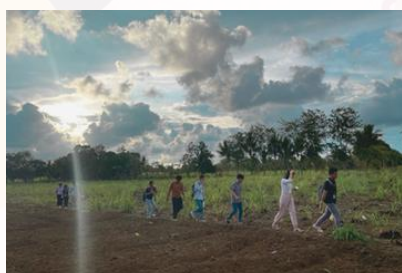
Performance Indicators	2023/24
No. of beneficiaries	3,498
No. of student participants	159
No. of programmes	40
No. of service hours	4,433

Service-Learning and Research Scheme (SLRS) & Trailblazer Programme (TBP)

No. of beneficiaries by group

Beneficiaries groups	No. of beneficiaries
Children	520
Youth	11,528
Elderly	3,885
Families	800
Ethnic minorities	2,010
Poverty	2,500
Social enterprises/Start-ups	400
Rehabilitated drug abusers	60
Ex-offenders	300
Mentally-ill patients & rehabilitators	162
Chronic patients	30
Women	145
People with disabilities	150
Agencies and their members	2,370
The public	14,320

Total: 39,180



Social Innovation and Community Engagement (SICE)

Performance Indicators	2023/24
No. of community participants	3,280
No. of student participants	1,327
No. of events and campaigns	52
No. of service hours	6,473



ECF – Hong Kong Ocean Environmental Pioneer Academy trained more than 120 Ocean Environmental Pioneers to promote ocean protection and clean shorelines, and created ripple effects for more than 2,400 individuals to clean Hong Kong's ocean through experiential workshops and innovative seashore cleaning activities.

Carbon Neutral Action, funded by the **Sustainable Development Fund**, promotes low-carbon living through innovative educational activities, aligning with the HKSAR Government's goal of carbon neutrality by 2050. 200 low-carbon ambassadors were trained to organise workshops, exhibitions, and a hostel/campus challenge, fostering community participation in low-carbon living.

