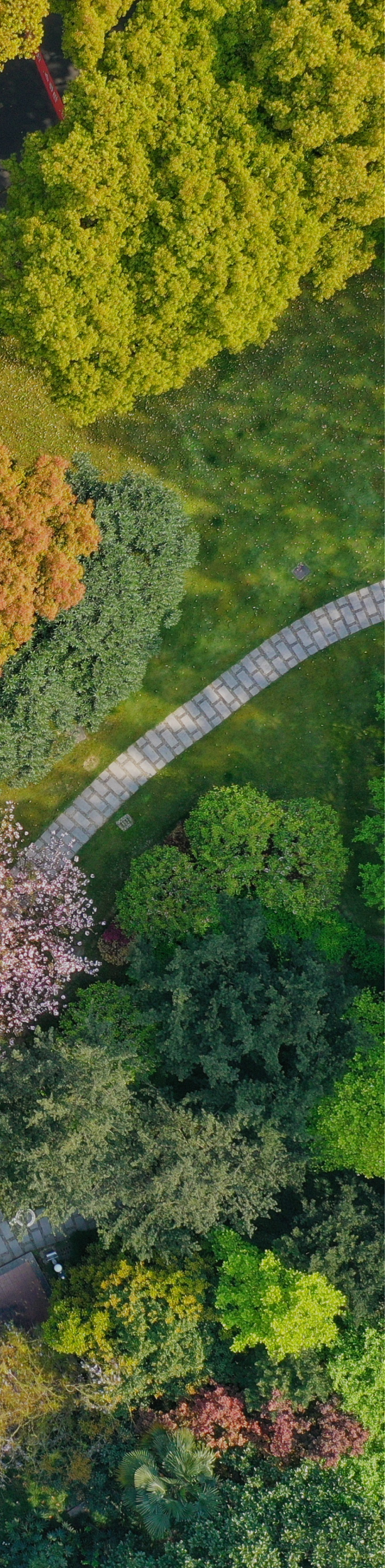
FUDAN UNIVERSITY

Fudan University Report on Sustainable Development Goals

2024

SUSTAINABLE DEVELOPMENT GOALS


1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTIC AND STRONG INSTITUTIONS
7 PARTNERSHIPS FOR THE GOALS



Contents

SUSTAINABLE DEVELOPMENT GOALS

Introduction

Since the global vision for sustainable development was launched, tangible and actionable progress has been made. It is reshaping the way we protect the environment and manage natural resources, while also driving economic transformation, promoting social equity, and strengthening global governance. The 17 Sustainable Development Goals (SDGs) have provided a clear and unified framework for international cooperation, guiding countries to address common challenges through inclusive, innovative, and systems-based approaches.

As beacons of human civilization, universities are not only centers of knowledge but also engines of societal progress. The principles of sustainable development resonate deeply with Fudan University's enduring motto of "ever renewing." At Fudan, sustainability is woven into every aspect of our mission—from education and research to community services and global engagement. In 2024, we strengthened our commitment to sustainability and delivered meaningful results in research, social services, and global collaboration.

In research, Fudan developed the most comprehensive human proteome map and built predictive models for 183 diseases, laying a robust data foundation for the precision medicine. We also introduced Guanghua No.1, a humanoid robot that integrates embodied intelligence, emotional interaction technologies, and advanced morphological design. It offers innovative technological solutions to address the challenges of an aging society.

In social services, Fudan supported educational initiatives in remote regions of Yongping

County in Yunnan and Fengjie High School in the Three Gorges area. These efforts connected education with rural revitalization, establishing a sustainable model in which knowledge flows back to empower local communities. At the same time, we proposed a national roadmap for the paper industry to achieve net-zero emissions by 2050, providing strategic guidance for the broader decarbonization of industrial sectors.

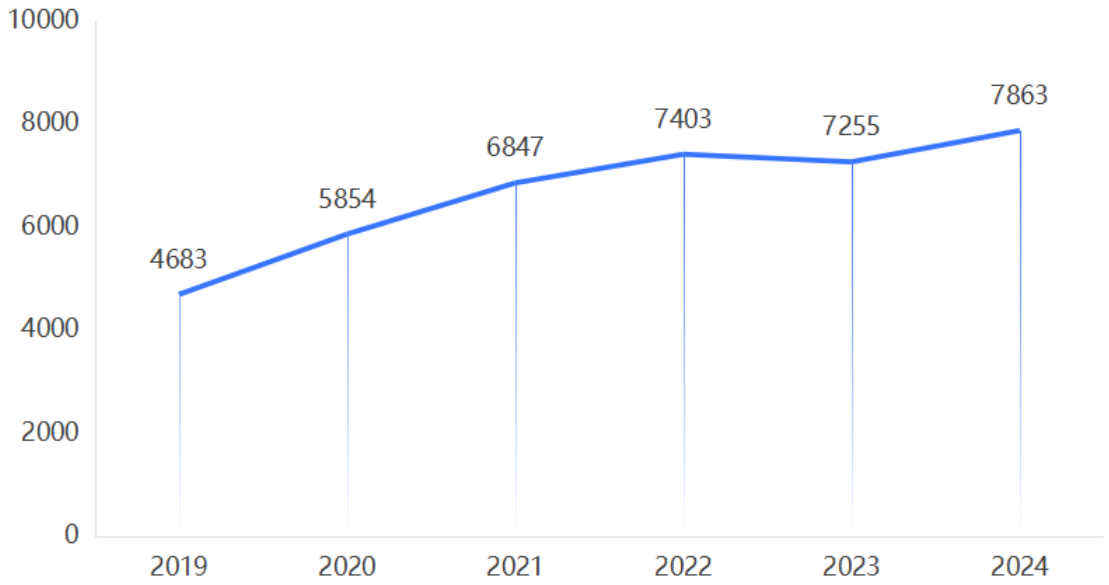
In global governance, Fudan initiated the Intelligent Weather Innovation Alliance and the open-sourced *Fuxi Weather Model 2.0* to strengthen collaboration between universities and the industry. We also released the *Global State Development Drivers Index,* an innovative framework designed to support countries in the Global South as they explore and shape their own paths to modernization.

The Fudan University SDGs Action Report 2024 provides a comprehensive overview of its sustainability efforts over the past year. These include educating talent with global vision and social responsibilities, proposing solutions to global challenges, and promoting sustainability transformation through policy engagement. The report showcases concrete actions in areas such as energy efficiency, biodiversity conservation, and the promotion of a circular economy, reflecting the values, vision, and long-term commitment of the university.

As the 2030 deadline for achieving the Sustainable Development Goals (SDGs) draws closer, Fudan University remains committed to both national responsibility and global stewardship in building a shared future for humanity. We look forward to collaborating with partners around the world—including alumni, students, faculty, and the wider community—to ensure that China's sustainability journey contributes meaningfully to global solutions, and to write the next chapter of a shared sustainable future.

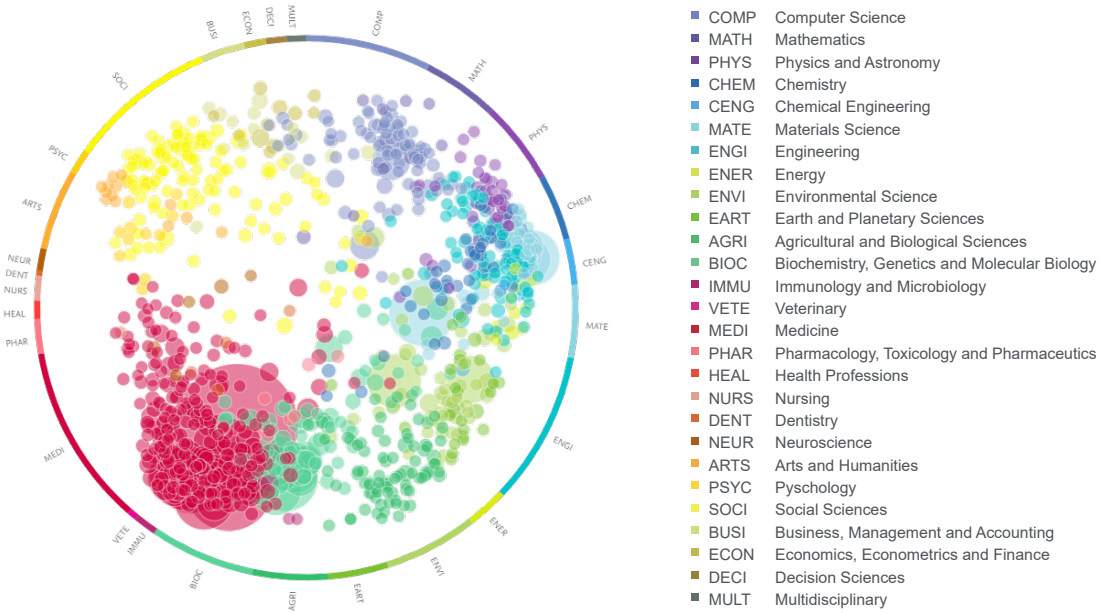
Overview of Fudan SDGs Action

| Fudan SDGs Publication Trends



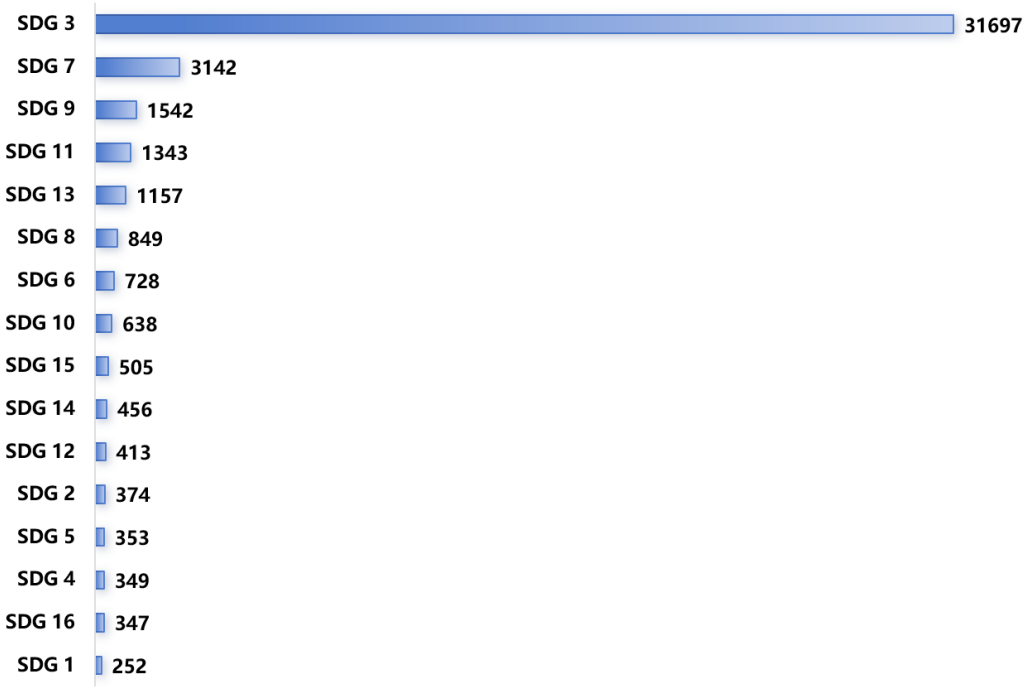
In recent years, Fudan University has shown a sustained upward trajectory in SDGs-related research output, with publication volume reaching 7,863 papers in 2024.

| Distribution of SDGs Research Areas at Fudan



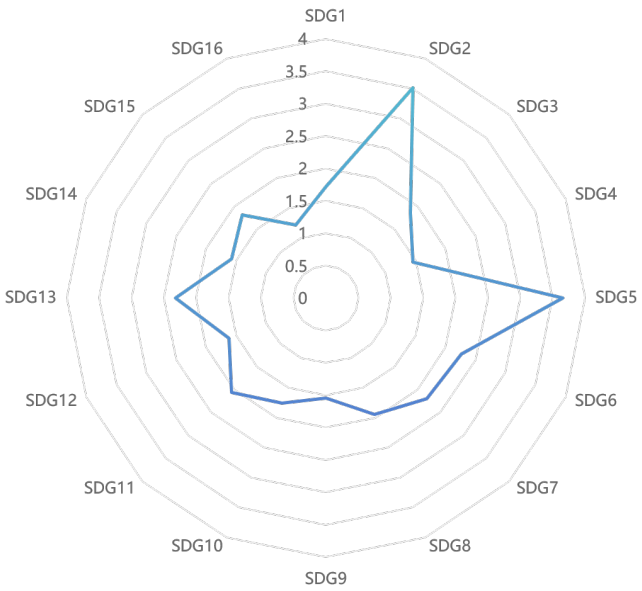
Fudan University has demonstrated significant interdisciplinary integration in research related to SDGs, with its research scope spanning all major fields including medicine, life sciences, natural sciences, and social sciences.

Publication Volume per SDG at Fudan



Between 2019 and 2024, Fudan University produced nearly 40,000 publications related to SDGs. The highest number of publications focused on SDG3 (Good Health), with over 31,000 articles, followed by SDG7 (Clean Energy) (3,142) and SDG13 (Climate Action) (1,524).

Quality of Fudan's SDGs Publications



FWCI (Field-Weighted Citation Impact) serves as a key indicator of research quality, normalized against global disciplinary benchmarks (mean = 1). Values >1 denote above-average citation impact.
From 2019 to 2024, Fudan achieved exceptional performance in SDGs research quality. SDG5 (Gender Equality) led with an FWCI of 3.66, followed closely by SDG2 (Zero Hunger) at 3.51—both metrics exceeding global standards by substantial margins.

Overview of Fudan SDGs Action

Talent Development (Statistical time: 2024)

01 SDGs-related Courses

Number of Undergraduate Courses (units)	496
Number of Graduate Courses (units)	3867

02 SDGs-related Degree Programs

Number of Graduate Degree Programs (units)	76

03 SDGs-related Campus Activities for Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	1046

04 Educational Equity

Students from Economically Disadvantaged Families Supported (person-times)	6960
Financial Aid Provided to Economically Disadvantaged Students (10,000 yuan)	1578.29
Number of Economically Disadvantaged Students Assisted (persons)	4591

05 Gender Equality

Female Undergraduate Student Proportion (%)	42.21%
Female Master's Student Proportion (%)	51%
Female Doctoral Student Proportion (%)	46%

Scientific Research (Statistical time: 2024)

01 SDGs-related Research Output and Technology Transfer

Total Publications (articles)	7863
Field-Weighted Citation Impact (FWCI)	2.05
Proportion of International Collaborative Publications (%)	23.3
Number of Research Projects (units)	6626
Number of Chinese and Foreign Publications (units)	1450
Number of Patents (units)	695
Number of Technology Transfers (units)	34

02 SDGs-related Research Institutes

Number of University-level Research Institutes (units)	92

Social Services (Statistical time: 2024)

01 Social Services

Number of Public Training Programs (units)	262
Participants in Public Training Programs (persons)	11579
Number of Online Courses (MOOCs) (units)	259
Total Enrollment in Online Courses (MOOCs) ((person-times)	2440197
Proportion of External Learners in MOOCs (%)	99.80%
Number of Student Social Practice Teams (units)	865
Student Participation in Social Practices (person-times)	10987

02 Campus Resource and Energy Usage

Total Water Consumption on Campus (10,000 m^3)	355.73
Total Campus Floor Area (10,000 m^3)	261.84

03 SDGs-related Student Activities

Number of Student Clubs (units)	109

04 SDGs-related News Promotion

Number of Chinese Social Media Posts (articles)	21513
Number of English Social Media Posts (articles)	6471

International Collaboration (Statistical time: 2024)

01 SDGs-related International Cooperation

Number of International Conferences (events)	129
Participation in International Conferences (person-times)	8003
International Agreements Signed (2019-2023) (units)	111
International Visits and Exchanges (2019-2023) (person-times)	15177

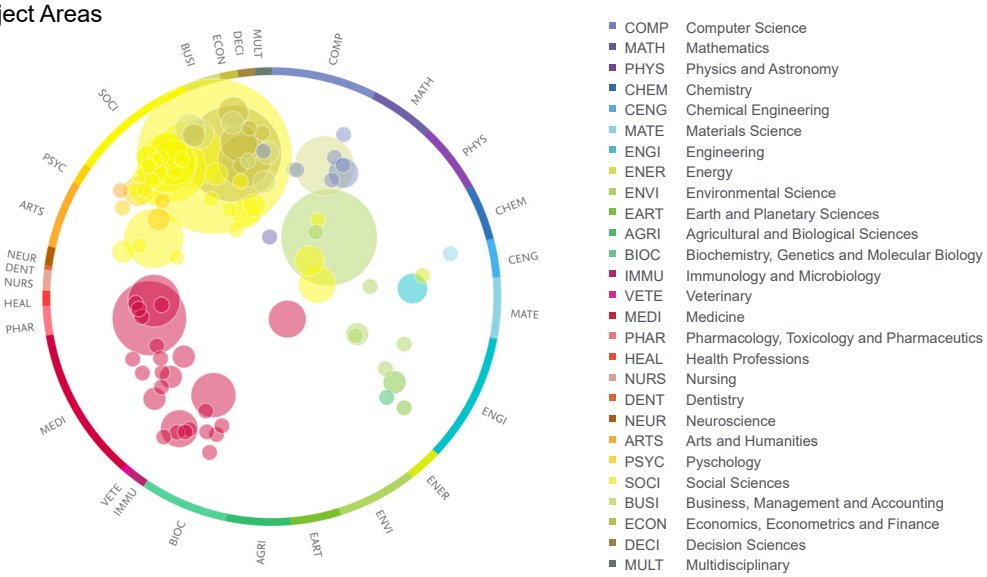
SDG1

No Poverty

End poverty in all its forms everywhere by 2030.

SDG1.1 Research focus

| Fudan SDG1 Subject Areas



| Fudan SDG1 Keyphrases

SDG1.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	61
Number of Graduate Courses (units)	557
Number of Graduate Degree Programs (units)	28

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	14

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	1
Number of Chinese and Foreign Publications (units)	19

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	1
Participants in Public Training Programs (persons)	6
Number of Student Social Practice Teams (units)	153
Student Participation in Social Practices (person-times)	1726

Relevant Student Activities

Number of Student Clubs (units)	2

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	156
Number of English Social Media Posts (articles)	45
Number of International Conferences (events)	4
Participation in International Conferences (person-times)	157

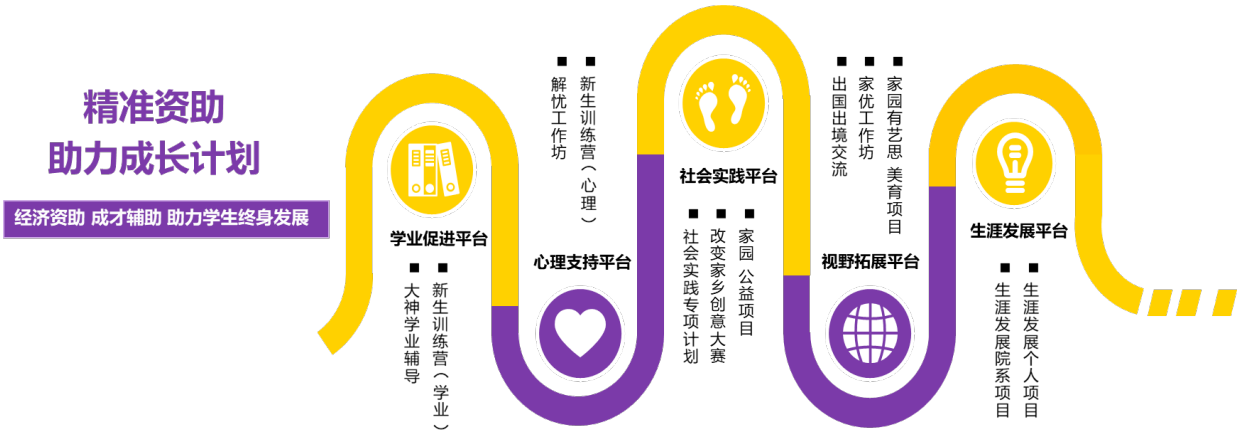
SDG1.3 Practical Case

1-3.1 Targeted Assistance in Yongping County: Universities and Local Communities Join Hands to Tell the Story of Fudan University and Yongping County

Partnering to support rural revitalization in Yongping is an honorable mission assigned to Fudan University by the Central Committee of the Communist Party of China and the State Council. Fudan University has consistently aligned Yongping's actual needs with Fudan's strengths, working in both directions with three permanent teams stationed in Yongping as the core force, ensuring that targeted assistance work progresses thoroughly and solidly. The university has consolidated the party-building paired assistance mechanism, promoted precise and efficient resource matching, and formed a "comprehensive assistance" work system. Through a "horizontal and vertical integration" party-building assistance model, Fudan has further expanded the work coverage, transforming assistance efforts from isolated points to comprehensive coverage.

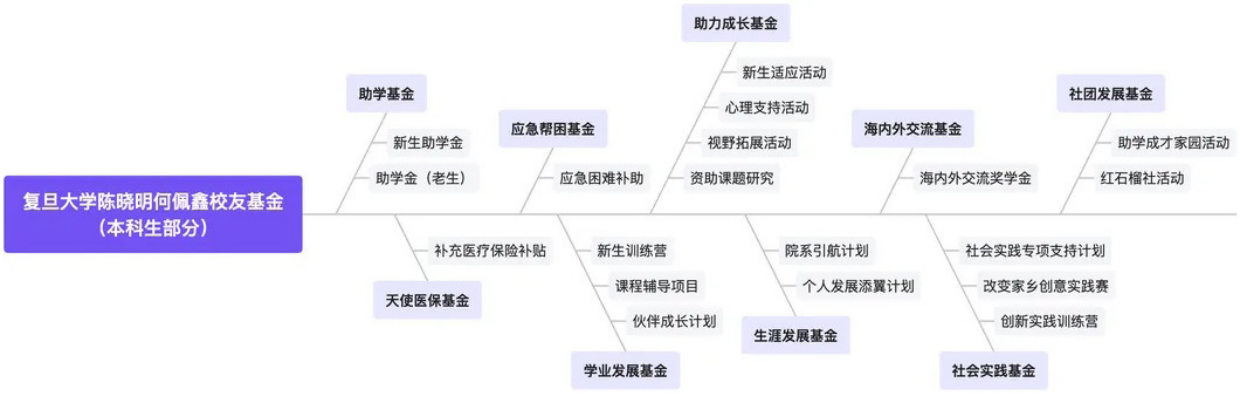
2024 marks the fifth year since Yongping County's overall poverty alleviation and the removal of its poverty designation. It is a crucial year for Yongping County to effectively connect with rural revitalization. Both Fudan University and its schools and colleges are working together to advance targeted assistance in an integrated manner. This year, the Fudan University Education Development Foundation, Shanghai (FUEDF) continues to donate 1 million yuan to support rural revitalization in Yongping. From July 9th to 11th, a delegation from Fudan University led by President Jin Li visited Dali Prefecture and Yongping County to research targeted assistance and examine rural revitalization efforts. During the delegation's visit, Fudan alumni enterprises expressed their willingness to invest in Yongping and support the university's assistance initiatives.

1-3.2 Growth Support Program—Helping Every Student Become Talent



Fudan University implements the "Growth Support Program" for undergraduate students, precisely targeting the developmental needs of economically disadvantaged students to facilitate their growth into talented individuals. The "Growth Support Program" builds five major platforms for economically disadvantaged students: academic advancement, psychological support, social practice, horizon expansion, and career development. It integrates resources such as academic tutoring, public service activities, and career development, establishing different growth modules horizontally while covering the entire process from enrollment to graduation vertically. The program is dedicated to paving a path toward comprehensive development and progress for every economically disadvantaged student. In 2024, over thirty activities were conducted with more than a thousand student participations, guiding students to establish aspirations, develop self-reliance, and cultivate gratitude, while helping them enhance their abilities, broaden their horizons, and supporting their continuous progress on the path to pursuing their dreams.

1-3.3 Fudan Alumni Couple Donates 100 Million Yuan to Support Student Development



The 'Fudan University Chen Xiaoming and He Peixin Alumni Fund' was established in 2019, funded by a 100 million yuan donation from alumni couple He Peixin and Chen Xiaoming from the Chemistry Department's class of 1973. This support program broadly covers areas including financial assistance for disadvantaged students, academic incentives, achievement recognition, and practical training, aiming to fully support students with financial difficulties while promoting the flourishing development of the university's educational mission. From 2019 to 2024, the fund has supported approximately 4,000 undergraduate students and received 564 thank-you letters totaling over 420,000 characters.

For undergraduate students, the fund relies on the 'Student Learning and Development Center' to design a training plan that covers the entire undergraduate education period. For graduate students, it particularly emphasizes providing solid support for their research journey, not only establishing social practice bases but also providing support for student organizations, encouraging innovation and entrepreneurship practices, and offering multiple forms of funding for overseas exchanges and academic conference participation. In the future, the university will continue to rely on the 'Chen Xiaoming and He Peixin Alumni Fund' to support students' growth and development throughout all stages, enabling more economically disadvantaged students with dreams to free themselves from burdens, become self-confident and independent, and bravely pursue their dreams.

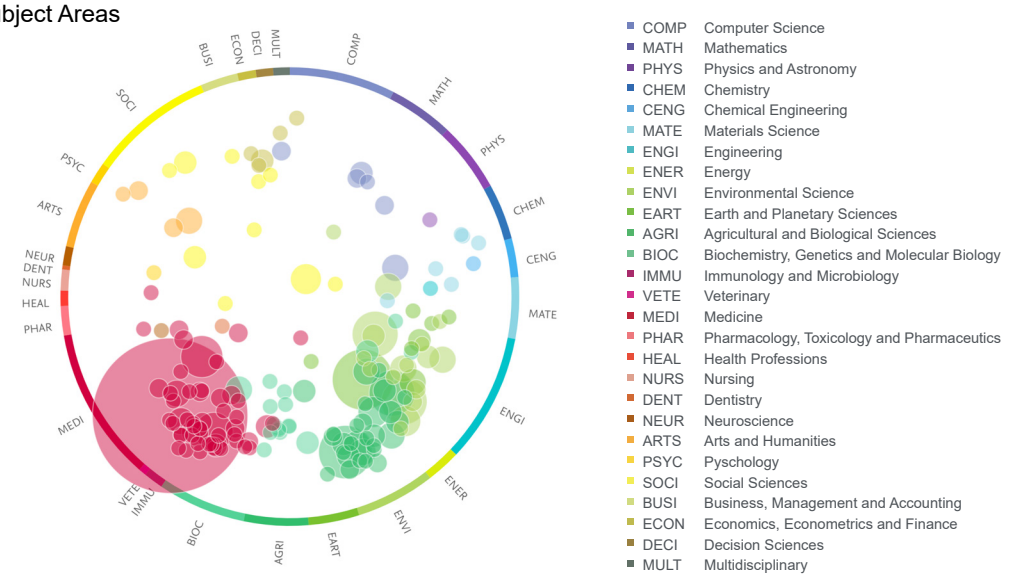
SDG2

Zero Hunger

End hunger, achieve food security and improved nutrition and promote sustainable agriculture.

SDG2.1 Research focus

| Fudan SDG2 Subject Areas



| Fudan SDG2 Keyphrases

2

SDG2.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	56
Number of Graduate Courses (units)	990
Number of Graduate Degree Programs (units)	28

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	12

Relevant Student Activities

Number of Student Clubs (units)	2

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	51
Number of English Social Media Posts (articles)	28

SDG2.3 Practical Case

2-3.1 Original Books by Fudan University Faculty and Students Featured at Shanghai Book Fair, Promoting Knowledge of Five Grains and Food Security Concepts

On August 16, 2024, the "Tongleiren" science popularization team from Fudan University appeared at the 2024 Shanghai Book Fair and "Reading in China" Shanghai Week with their original science popularization book *The Vast Knowledge in a Meal*. This set of picture books focuses on the five grains, with each grain presented in a separate volume. It aims to educate Chinese youth about the importance of protecting rich genetic resources and promoting the development of biological breeding technology and capabilities to ensure national food security, allowing Chinese people to always firmly hold their own rice bowls.

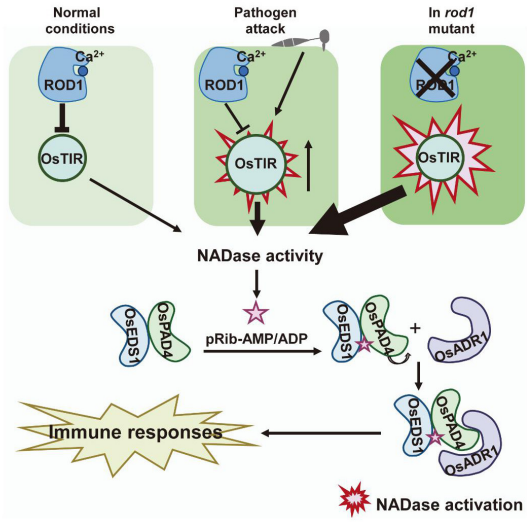
"Tongleiren"upholds the philosophy that "universities have walls, but knowledge has no walls". Relying on higher education resources and possessing the ability to provide authoritative scientific knowledge, it aims to create world-class children's books. Through the science popularization approach of "great scientists telling little stories to children", it enables outstanding individuals to guide the next generation to become even more outstanding.

2-3.2 Significant Progress in Plant Multipathogen Resistance Research by Research Fellow Gao Mingjun's Team Collaboration

Plants are susceptible to various pathogenic microorganisms throughout their life cycle. These pathogens employ multiple strategies to breach the plant's basic immune defenses, leading to disease outbreaks that impact global crop yields. While pesticides can effectively control diseases in the short term, their long-term use poses significant threats to the ecological environment and human food safety, such as environmental pollution and food poisoning incidents caused by pesticide residues. Therefore, deeply understanding plant immune mechanisms and identifying and utilizing disease-

resistant genes to improve crop varieties are critical for achieving green control of agricultural diseases and ensuring safe food production.

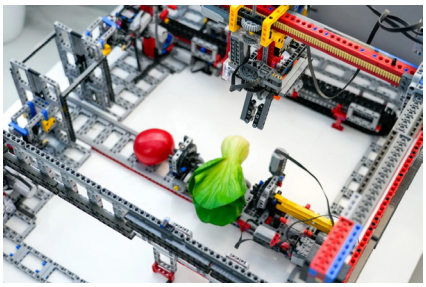
On November 8, Science published online a research paper titled “A canonical protein complex controls immune homeostasis and multipathogen resistance”, completed through collaboration among Research Fellow Gao Mingjun’s team, Academician He Zuhua’s team, and Professor Zhang Yu’s team from School of Life Sciences, Fudan University. This research reveals a signaling network for fine regulation of plant immune homeostasis, providing new gene resources and breeding targets for crop multipathogen resistance breeding. It reports for the first time the function of TIR-only proteins in TNL protein-containing gramineous plants, offering potential new targets and research directions for enhancing crop resistance to multiple pathogens.



2-3.3 Independently Developed by Fudan University! Agricultural Robot that Can Think

In 2024, the intelligent agricultural robot independently researched and produced by Shang Huiliang's team at Fudan Robot and Autonomous Systems (RAS) Group made its debut. This is the world's first agricultural robot that integrates pollination, leaf removal, flower and fruit thinning, and harvesting functions. Through 3D visual perception, autonomous navigation, and AI deep learning technology, it achieves fully intelligent operations throughout the tomato growing process from flowering to harvesting. Its bionic mechanical arm equipped with piezoelectric villus sensors can precisely detect pollen viscosity. Combined with high-frequency vibration pollination technology, the pollination success rate exceeds 90%, which is 4 times more efficient than traditional manual methods. In field tests at Guangming Chongming Farm, a single robot's daily operation output equals that of 6 skilled workers, while its cost is only 1/5 of similar foreign products, significantly lowering the threshold for agricultural modernization.

The R&D team overcame technological bottlenecks to build an embodied intelligence system with coordinated "eyes-brain-hands-feet": The optical team conquered the challenge of identifying fruits hidden by obstacles, mechanical experts developed flexible robotic arms capable of avoiding vines, and algorithm engineers optimized path planning algorithms. Over four years, the robot underwent four iterations, evolving from an industrial robotic arm into an autonomous intelligent agent. Related technologies have been extended to mulberry leaf picking, goji berry sorting, and other applications. At the silkworm base in Guangxi Province, the team's specialized robots increased harvesting efficiency by 50% and reduced labor costs by 40%, helping traditional industries transform and upgrade.



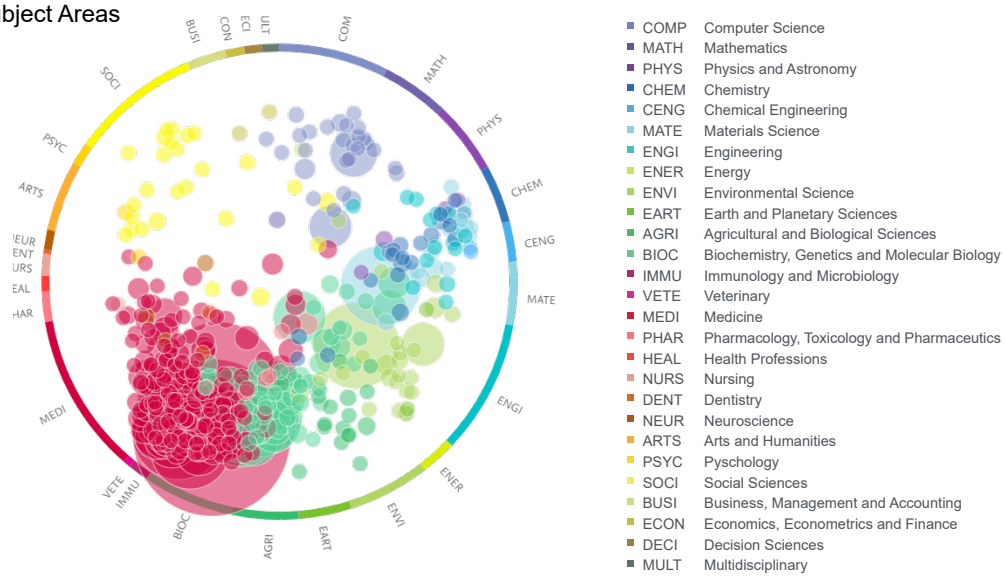
SDG3

Good Health and Well-Being

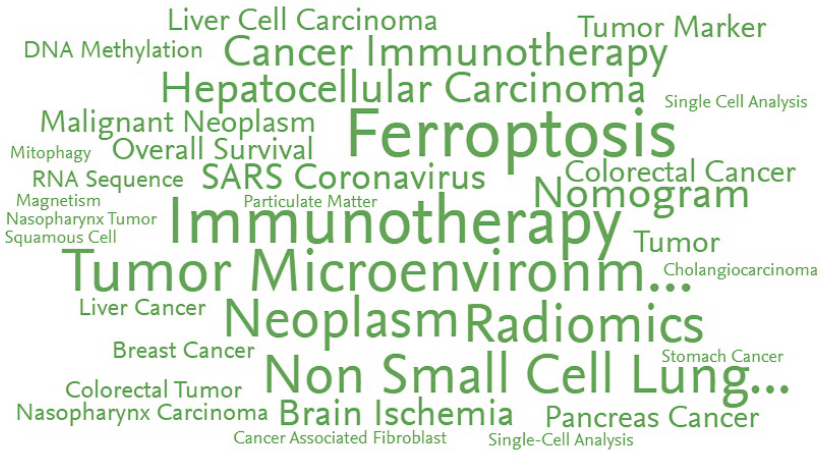
Ensure healthy lives and promote well-being for all at all ages.

SDG3.1 Research focus

| Fudan SDG3 Subject Areas



| Fudan SDG3 Keyphrases



SDG3.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	142
Number of Graduate Courses (units)	1581
Number of Graduate Degree Programs (units)	16

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	73

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	134
Number of Chinese and Foreign Publications (units)	73
Number of Patents (units)	15

Relevant Research Institutes

Number of University-level Research Institutes (units)	3

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	35
Participants in Public Training Programs (persons)	600
Number of Online Courses (MOOCs) (units)	58
Total Enrollment in Online Courses (MOOCs) (persons)	487397
Number of Student Social Practice Teams (units)	130
Student Participation in Social Practices (person-times)	1766

Relevant Student Activities

Number of Student Clubs (units)	18

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	19596
Number of English Social Media Posts (articles)	890
Number of International Conferences (events)	23
Participation in International Conferences (person-times)	2099

SDG3.3 Practical Case

3-3.1 The Only One from a University! With Expressions and Nursing Capabilities, Here Comes Fudan's Humanoid Robot

On July 4, the "Guanghua No. 1" humanoid robot developed by Academy for Engineering and Technology, Fudan University—Lab of Robotics Oriented Intelligence made its debut at the 2024 World Artificial Intelligence Conference (WAIC). It is the only humanoid robot manufactured by a university among the "Eighteen Kong Kim" showcased at the WAIC this morning.

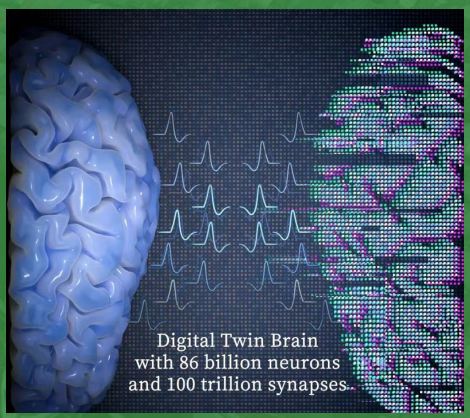
The "Guanghua No. 1" humanoid robot is a general-purpose humanoid robot designed for elderly care and healthcare needs. It integrates advanced embodied intelligence, emotional interaction technology, and morphological design. In appearance, "Guanghua No. 1" closely resembles a human, standing at 165 cm tall and weighing 62 kg. It features 45 intelligent joints with variable transmission ratios and a hierarchical generative embodied brain model. Using the principle of minimum free energy to control joints, torso, and the entire body, it can freely swing its arms and walk upright. The team has not only overcome the challenge of upright walking for humanoid robots but has also enabled "Guanghua No. 1" to display four expressions—happiness, anger, sadness, and joy—on its facial display screen, allowing for a more intuitive emotional experience during human interaction.

The "Guanghua No. 1" R&D team is focusing on the high-quality elderly care industry with a market value of 30 trillion Yuan. They are currently conducting applied technology research and product development, and have already established partnerships with several leading domestic healthcare groups and elderly care institutions. The team plans to implement the robot in practical applications by 2025, serving elderly care and medical scenarios. This progress has been published in several top academic journals in 2024, laying an important foundation for the future development of intelligent robotics technology.

3-3.2 Feng Jianfeng's Team Releases Whole-Brain Scale Digital Twin Brain Platform to Explore the Relationship Between Brain Structure and Function

In May 2024, Professor Feng Jianfeng's research team at the Institute of Science and Technology for Brain-Inspired Intelligence released the Digital Twin Brain (DTB) platform, the world's first whole-brain scale simulation platform developed based on data assimilation methods, featuring 86 billion neurons and hundreds of trillions of synapses. Through research on this platform, they discovered that as the DTB becomes closer to the human brain in scale and structure, it gradually exhibits critical phenomena similar to those observed in the human brain, along with similar cognitive functions.

This research represents the first step in Fudan University's construction of a DTB platform, providing a research example for exploring the complex relationship between brain structure and corresponding advanced cognitive functions. Digitally simulating the real brain is one of the effective approaches to understanding how the brain works and inspiring future artificial general intelligence. Regarding the application prospects of the DTB, the team explained that the Digital Twin Brain platform can help brain scientists conduct digital experiments to explore and validate neuroscience theories and brain intelligence mechanisms.



3-3.3 "Angels in White Walking in the Deep Mountains" - Doctoral Health Service Group of Shanghai Medical College, Fudan University

The Doctoral Health Service Group of Shanghai Medical College, Fudan University is the first doctoral health service group in China. Its members consist of senior doctoral students and expert volunteers from various affiliated hospitals of Shanghai Medical College, Fudan University. Since its establishment in 1994, the team has consistently upheld the mission of "Serving the People, Dedicating to the Country", leading generations of Fudan Medical College doctoral students, experts, and professors in medical volunteer service. By integrating and deploying quality medical resources, we are committed to providing medical assistance to underdeveloped areas, thereby contributing to rural revitalization. 2024 marks the 30th anniversary of the Doctoral Health Service Group. Over these 30 years, the team has attracted more than 1,000 participants who have served locally for over 10,000 days and nights. They have conducted large-scale free clinics benefiting more than 50,000 people, reaching 38 hospitals across 26 impoverished counties in 13 provinces, covering a total distance of over 100,000 kilometers. The group has delivered more than 500 academic lectures, conducted hundreds of surgical demonstrations, facilitated training in Shanghai for over 2,000 grassroots doctors, optimized thousands of treatment plans, provided guidance on departmental development more than 100 times, and served over 100,000 people through "Internet + Healthcare" services.

3-3.4 Professor Wu Xiaohua from Fudan University Cancer Hospital Leads Groundbreaking Research Published in *The Lancet*

Cervical cancer is the second most common cancer among women worldwide, with approximately 250,000 to 270,000 new cases diagnosed each year. About a quarter of these cases occur in China, where the annual number of new diagnoses reaches around 150,000, with 30,000 to 50,000 affecting Chinese women. From October 16 to 18, 2024, the 23rd International Gynecologic Cancer Society (IGCS) Global Annual Meeting was held in Dublin, Ireland. At the conference, the COMPASSION-16 study, directed by Professor Wu Xiaohua from Fudan University Cancer Hospital as the leading principal investigator, was unveiled as a Late-Breaking Abstract (LBA) and simultaneously published in the main issue of The Lancet. This significant achievement drew widespread attention and sparked intense discussion among global experts and scholars in gynecologic oncology. It was also honored with the 2024 IGCS GLOBAL IMPACT ABSTRACT Award, underscoring its major influence on advancing international medical research and clinical practice.

Findings from the COMPASSION-16 study revealed that Cadonilimab, in combination with standard therapy, significantly improves survival outcomes for patients with persistent, recurrent, or metastatic cervical cancer, while maintaining a manageable safety profile. In future, Cadonilimab combined with chemotherapy, with or without bevacizumab, is likely to become a promising first-line treatment option for these patients.

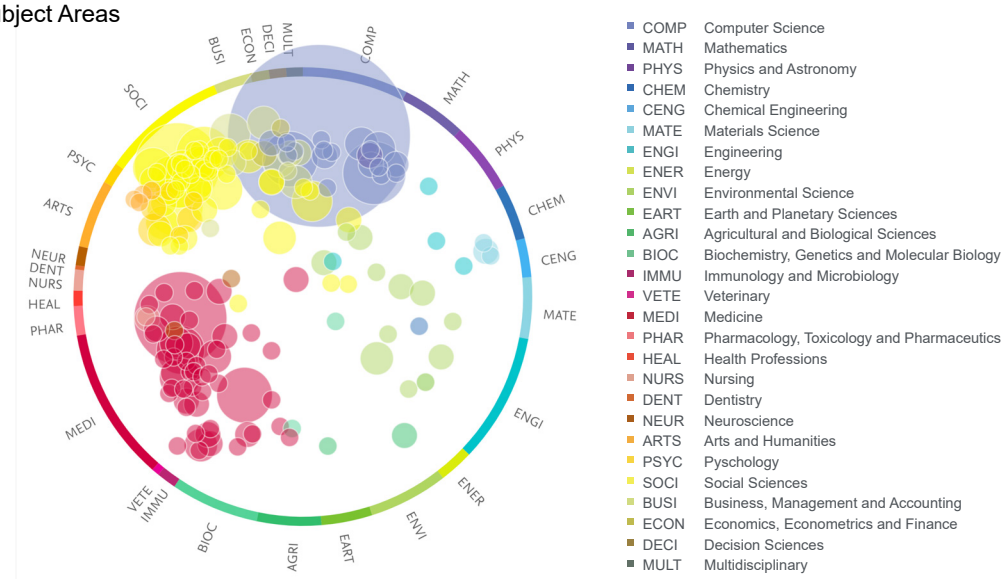
SDG4

Quality Education

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG4.1 Research focus

| Fudan SDG4 Subject Areas



| Fudan SDG4 Keyphrases

SDG4.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	202
Number of Graduate Courses (units)	3860
Number of Graduate Degree Programs (units)	75

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	180

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	55
Number of Chinese and Foreign Publications (units)	141
Number of Patents (units)	7

Relevant Research Institutes

Number of University-level Research Institutes (units)	7

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	32
Participants in Public Training Programs (persons)	6291
Number of Online Courses (MOOCs) (units)	109
Total Enrollment in Online Courses (MOOCs) ((person-times)	1324414
Number of Student Social Practice Teams (units)	177
Student Participation in Social Practices (person-times)	2371

Relevant Student Activities

Number of Student Clubs (units)	31

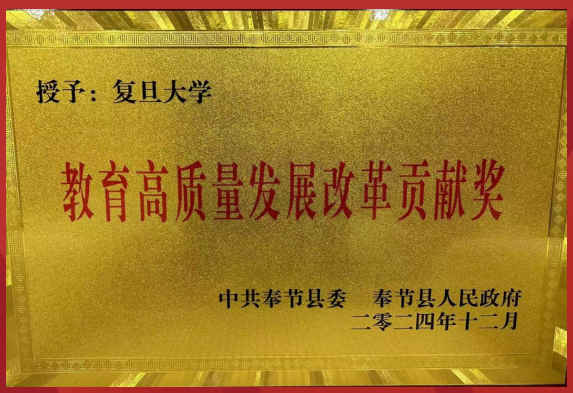
Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	4848
Number of English Social Media Posts (articles)	1122
Number of International Conferences (events)	41
Participation in International Conferences (person-times)	2267

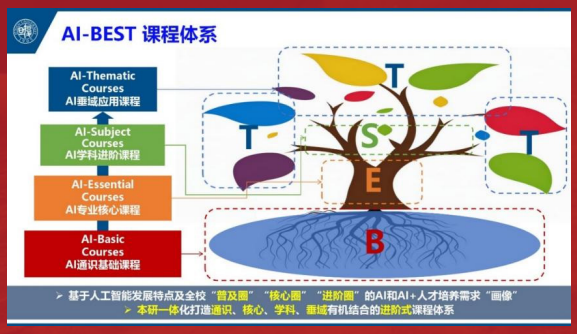
SDG4.3 Practical Case

4-3.1 Cross-Regional Partnership: Supporting Fengjie Middle School in Chongqing

Fudan University places great importance on the entrusted assistance program for county-level middle schools. In line with the Ministry of Education's requirements for university-led support in rural education, Fudan signed a partnership agreement with Fengjie County Government and Fengjie Middle School in July 2022. A dedicated task force was established to promote a collaborative approach based on the principle of "cooperation for mutual benefit and support with practical impact". This initiative is driven by a coordinated mechanism involving the Basic Education Group for overall planning, High School Affiliated to Fudan University for concrete implementation, Fengjie County for support, and Fengjie Middle School for proactive participation.
Since the agreement was signed over two years ago, Fudan University, High School Affiliated to Fudan University, the Fengjie County Party Committee, the County Government, and Fengjie Middle School have engaged in multiple exchange visits and discussions. Fudan University and its Affiliated High School have fully leveraged their dual strengths as a comprehensive university and a model experimental high school in Shanghai. The Basic Education Group has coordinated efforts with the Institute of Higher Education, the Undergraduate Admissions Office, and experts from relevant departments to jointly support the assistance program. On December 9, 2024, Fengjie County in Chongqing held an Education Conference, during which Fudan University was awarded the "Contribution Award for High-Quality Educational Development and Reform". In future, Fudan and its Affiliated High School will continue to actively explore new models of entrusted support that promote interaction, exchange, and integration. This ongoing effort aims to further contribute to rural revitalization and the balanced development of high-quality education.



4-3.2 Cultivating Future Talent: Fudan University Fully Launches the "AI Curriculum Initiative"



To seize emerging opportunities in the new wave of artificial intelligence development, Fudan University launched a comprehensive campaign for building an AI-driven curriculum system and reforming its educational model in 2024, known as the "AI Curriculum Initiative 1.0". This initiative aims to establish a high-quality "AI-BEST" curriculum system, explore AI+ interdisciplinary talent development models at a high starting point, and build an advanced AI+ education ecosystem. As part of this plan, 116 "AI-BEST" courses have been developed, with 61 of them already in session. Additionally, 23 "X+AI" dual bachelor's degree programs have been approved, providing over 1,000 internal selection slots for the 2024 undergraduates. Fudan has also selected

10 primary disciplines to launch "Academic Discipline PhD + Professional AI Master's" dual-degree programs, which are set to be implemented soon. The construction of the "AI Curriculum Initiative" is now beginning to take shape.

In November 2024, Fudan issued the "Implementation Plan for Integrated Reform of Education, Technology, and Talent Systems at Fudan University", outlining its commitment to advancing "AI +" educational reform. Under this strategic framework, Fudan plans to fully implement AI-driven integration of teaching and learning, promoting an AI-enabled transformation of education through "Smart Learning", "Smart Teaching", "Smart Assessment", and "Collaborative Innovation between Teachers and Students". This comprehensive, all-element collaborative development aims to accelerate the cultivation of AI-integrated innovative talent and expedite the construction of a scientific and intelligent innovation ecosystem.

4-3.3 All Faculty and Students Attend Large-scale Ideological and Political Lecture, Advancing High-Quality Curriculum Development for the New Generation

On the afternoon of March 5, 2024, Chu Junhao, an academician of the Chinese Academy of Sciences, professor in the Department of Materials Science at Fudan University, director of the Institute of Optoelectronics, and infrared physicist, delivered the first lecture of the "Road to a Strong Nation" Large-scale Ideological and Political Lecture titled "Growing through Technological Exploration", to nearly 3,700 undergraduates at the Zhengda Sports Center.

In recent years, Fudan University has been deeply committed to studying and implementing General Secretary Xi Jinping's important directives on the development of Ideological and Political Courses and the "Large-scale Ideological and Political Courses" initiative. Responding to the call of the times and keeping the nation's priorities at heart, Fudan has mobilized its full strength to innovate and build the "Road to a Strong Nation" Large-scale Ideological and Political Lecture Series. This effort aims to nurture the next generation of talent and contribute to building a strong educational system for the nation. Since its launch in the spring semester of 2024, Fudan has organized four university-wide grand lectures, 24 discipline-specific thematic lectures, and 365 small-class sessions with nearly 1,000 discussion seminars. Furthermore, nearly 700 practical projects have been initiated.

By inviting distinguished scholars to teach these ideological and political courses, the program addresses students' uncertainties about reality and the future, encouraging them to reflect on the essence of learning, explore the practical applications of their disciplines, and awaken their sense of responsibility as scholars. Through the four-step process of learning, reflection, practice, and realization, students are encouraged to spend two years identifying, focusing on, and attempting to solve a real-world issue aligned with the nation's strategic goals. They are taught to apply scientific theories and methods to analyze and address problems, becoming proactive "action-oriented builders" in the journey toward national strength.

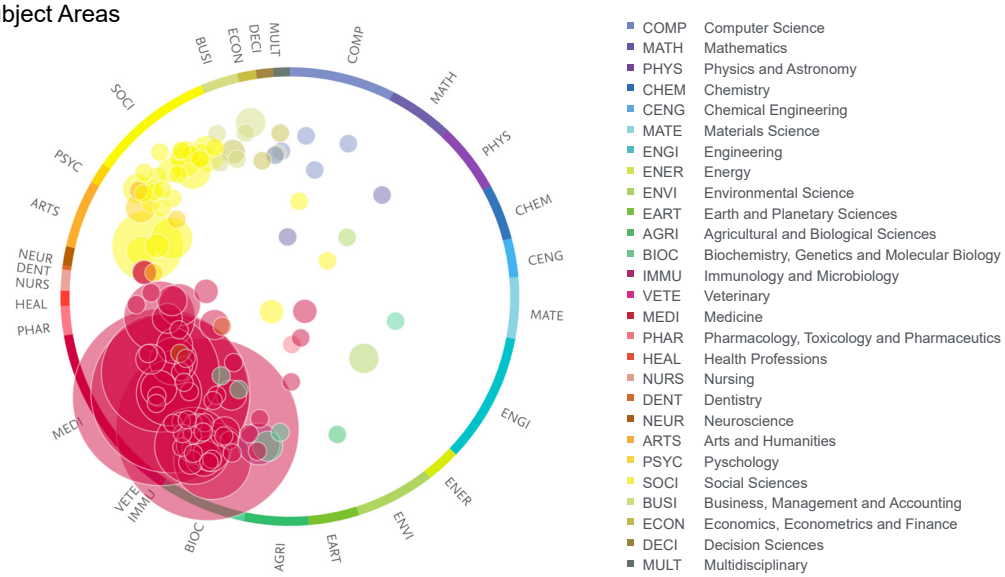
SDG5

Gender Equality

Achieve gender equality and empower all women and girls.

SDG5.1 Research focus

| Fudan SDG5 Subject Areas



| Fudan SDG5 Keyphrases

SDG5.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	73
Number of Graduate Courses (units)	436
Number of Graduate Degree Programs (units)	18

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	1

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	4
Number of Chinese and Foreign Publications (units)	13

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	1
Participants in Public Training Programs (persons)	10
Number of Online Courses (MOOCs) (units)	4
Total Enrollment in Online Courses (MOOCs) ((person-times)	44961
Number of Student Social Practice Teams (units)	4
Student Participation in Social Practices (person-times)	40

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	81
Number of English Social Media Posts (articles)	36
Number of International Conferences (events)	1

SDG5.3 Practical Case

5-3.1 Four Fudan Alumni Honored with the 2023 “National March 8th Red-Banner Holders” Award

On March 3, 2024, the All-China Women's Federation officially announced the list of recipients for the 2023 “National March 8th Red-Banner Holders” award to recognize outstanding individuals, set exemplary models, and inspire women across the country to contribute to the new generation and new journey. Four distinguished Fudan University alumni — Wang Hongyan, Lai Qifang, Chu Yunying, and Ma Weiwei — were proudly named on the list for their remarkable achievements in medicine, scientific research, public welfare, and the judiciary.

Professor Wang Hongyan, Executive Deputy Director of the Institute of Reproductive and Developmental Biology at Fudan University's Obstetrics and Gynecology Hospital, has made outstanding contributions to reproductive health. Lai Qifang, a 1988 graduate of the College of Life Sciences with a major in Zoology, currently serves as Director of the Research Office at the East China Sea Fisheries Research Institute under the Chinese Academy of Fishery Sciences, achieving significant success in scientific research. Chu Yunying, who graduated in 1997 from the Law School, is now Chairperson of the Shanghai Yunying Youth Sports Club, dedicated to youth sports public welfare. Ma Weiwei, a 2008 Law School graduate with a master's degree, is Deputy Procurator and a senior-level prosecutor at the Jing'an District People's Procuratorate in Shanghai, demonstrating exceptional talent in the judicial field.

Although from diverse fields, the four Fudan alumni share a common spirit of courage and dedication, embodying the responsibility and commitment of women in the new era, and exemplifying Fudan's tradition of unity, service, and sacrifice.

5-3.2 Fudan University Women's Studies Center Celebrates 30th Anniversary

Established in June 1994, the Fudan University Women's Studies Center is the first women's studies institution in the Shanghai university system. In 1995, with the support of the All-China Women's Federation and the Shanghai Women's Federation, the Center successfully hosted the "Women in Population Mobility" NGO Forum during the World Conference on Women in Beijing. In 2006, the All-China Women's Federation, the Chinese Women's Research Society, and Fudan University jointly established the "Women/Gender Research and Training Base". On October 18, 2024, the 30th Anniversary Symposium of the Fudan University Women's Studies Center was held in Shanghai.

Over the past three decades, members of the Center have actively engaged in policy consultation, serving the government and various sectors of society. They have compiled literature related to women's labor rights, established a legal consultation hotline for female workers, and promoted significant research in areas such as informal employment. The Center's research is distinguished by its close alignment with social needs and governmental practices, advancing the development of women's studies and talent cultivation. Looking forward, the Center aims to further build its brand around "Women and Family Studies" and deepen the integration of gender equality perspectives in public policy.

5-3.3 Fudan University Holds Ceremony to Celebrate the 114th Anniversary of International Women's Day and Commend Outstanding Achievements

On March 8, 2024, Fudan University held a ceremony to celebrate the 114th Anniversary of International Women's Day and to recognize outstanding women and collectives at the national, Shanghai municipal, Shanghai education system, and university levels for their achievements in 2023.

During the event, three award recipients shared their inspiring stories. Sun Lin, the leader of the teaching team at the National Experimental Teaching Demonstration Center for Biological Sciences, highlighted that 69% of the center's faculty members are women. The team has taken on nearly 100,000 teaching hours, supporting national experimental teaching reforms and cultivating top-tier research talent. Shao Lingyun, Chief Physician of the Infectious Diseases Department at Huashan Hospital, spoke about the women in her team who stood firm on the frontlines during the pandemic. Since 2020, the department's public health education efforts have been a major highlight, with over 80% of the outreach team being women. During the COVID-19 outbreak, these members, despite their busy schedules, stayed closely attuned to the pandemic's developments and the concerns of the public, providing timely professional insights and guidance, working hand in hand with the community to overcome challenges. Professor Yu Hongxiu from the Institute of Biomedical Sciences has dedicated 20 years to research on metabolism and cancer. She has led over 20 national scientific research projects and has significantly contributed to the development of oral medicine disciplines.

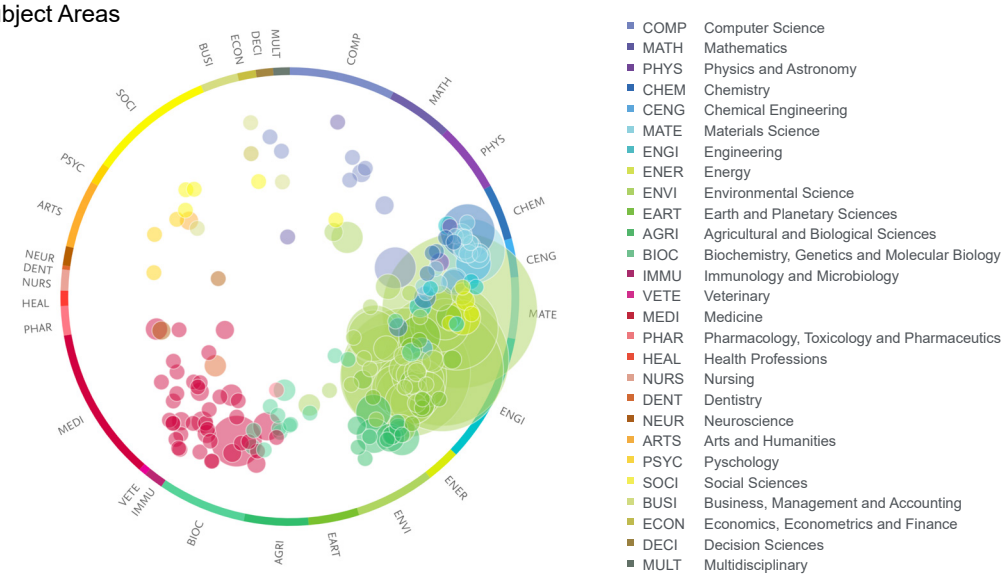
SDG6

Clean Water and Sanitation

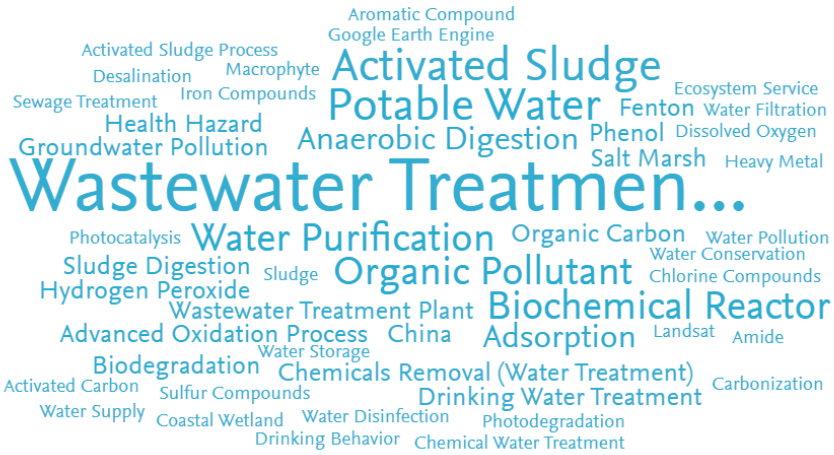
Ensure availability and sustainable management of water and sanitation for all.

SDG6.1 Research focus

| Fudan SDG6 Subject Areas



| Fudan SDG6 Keyphrases



SDG6.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	52
Number of Graduate Courses (units)	66
Number of Graduate Degree Programs (units)	3

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	8
Number of Chinese and Foreign Publications (units)	52
Number of Patents (units)	9

Relevant Research Institutes

Number of University-level Research Institutes (units)	1

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	4
Participants in Public Training Programs (persons)	206

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	267
Number of English Social Media Posts (articles)	133
Number of International Conferences (events)	1
Participation in International Conferences (person-times)	137

SDG6.3 Practical Case

6-3.1 Fudan University's General Affairs Office Launches Water and Energy Conservation Awareness Week Activities

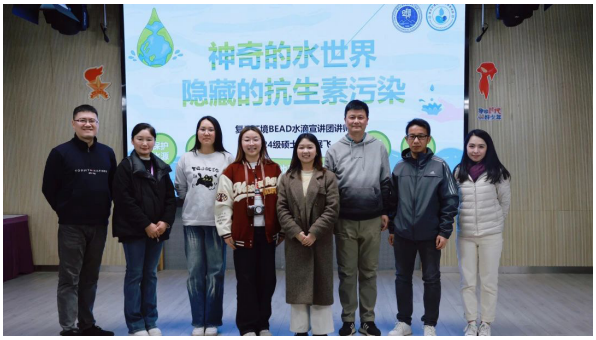
From May 11 to 17, 2024, in celebration of the National Urban Water Conservation Awareness Week, Fudan University's General Affairs Office organized a series of activities under the theme "Promoting Urban Water Conservation, Building Beautiful Cities". Special lectures on water conservation were held at the Jiangwan Campus to emphasize sustainable water usage. On May 15, the General Affairs Office hosted a “Green Transition and Energy Conservation” event at the Academy Building Square on the Fenglin Campus. The event aimed to promote the concepts of ecological priority, resource conservation, and green, low-carbon development, enhancing the awareness and capabilities of Fudan’s faculty and students in energy conservation and carbon reduction, while advocating for a sustainable and low-carbon lifestyle.

6-3.2 Fudan Environmental BEAD Lecture Team: Promoting Ecological Civilization through Professional Science Popularization

复旦环境BEAD水滴宣讲团

Founded in 2019 and supported by the disciplinary strengths of the Department of Environmental Science and Engineering, the Fudan Environmental BEAD Lecture Team is dedicated to transforming environmental expertise into accessible science popularization courses. The team has developed 42 courses covering topics such as water resource protection, carbon neutrality, and ecosystems. Over the past five years, their outreach has spanned more than ten provinces and cities, including Shanghai, Chongqing, and Jiangsu, serving over 100,000 people both online and offline, becoming a significant force in promoting the concept of ecological civilization.

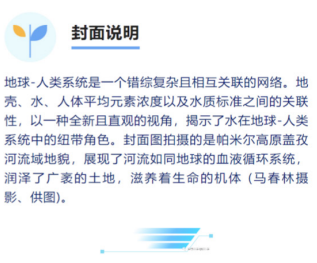
In the summer of 2024, the lecture team focused on public concerns like plastic pollution and water environment protection, conducting hands-on activities across multiple regions in China. In Shizuishan, Ningxia, the team delivered a session titled "The Plastic Crisis: A Shared Challenge for Humanity and the Earth", using Q&A to illustrate the threat of plastic degradation to soil and water sources, inspiring students to consider daily actions for reducing plastic usage. In Xinghua, Jiangsu, participants engaged in hand-painting eco-friendly bags, integrating waste-sorting concepts into creative practice, encouraging youth to become advocates for environmental protection. In Jining, Shandong, the team addressed "Pharmaceuticals and Personal Care Products (PPCPs) Pollution", explaining the migration pathways of pollutants and teaching students how lifestyle changes can reduce environmental impact. In future, the lecture team plans to continue innovating its courses, focusing on cutting-edge topics such as China's "Dual Carbon" goals and new pollutant management, leveraging creative approaches to deepen ecological awareness and inject youthful wisdom into green development.



6-3.3 Professor Wang Zimeng's Team from Fudan University Focuses on the Nexus of Water Resources, and Their Popular Science Achievements Win the Shanghai Outstanding Work Award

The popular science micro-video *"Are Drinking Water Standards Related to the Primitive Ocean? A Study from Fudan University Reveals...",* produced by Professor Wang Zimeng's team from the Department of Environmental Science and Engineering at Fudan University, was selected as one of the 2024 Outstanding Popular Science Works in Shanghai. Centered around the theme of *"Water Connects All"*, the video offers an in-depth analysis of the critical role of water resources within the Earth system and human civilization. It unveils the scientific principles and ecological value of the water cycle to the public. Adopting a perspective grounded in elemental correlations, the video illustrates the interconnection between the hydrosphere and human systems, revealing a resonance in humanity's understanding of water resources that transcends time and space.

The video is based on Professor Wang Zimeng's research article *"Water: The lifeblood of the Earth-human system revealed in elemental correlations"* and was completed as part of the strategic initiative on *"Science of Geological Health"* led by Academician Wang Yanxin of the Chinese Academy of Sciences. The video reached an audience of 250,000 through platforms such as Bilibili, promoting the popularization of water resource science through a dual approach that integrates scientific research and scientific popularization.



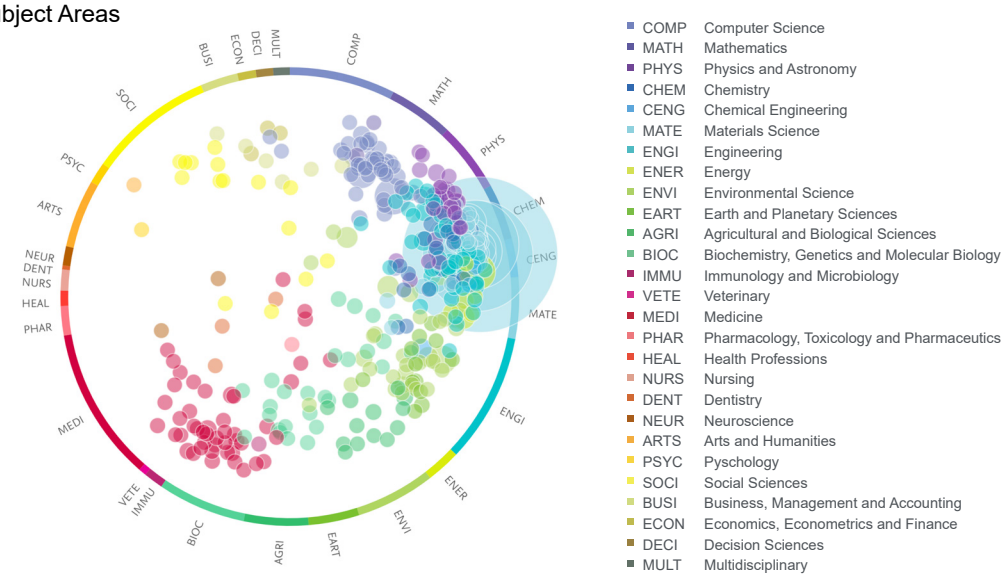
SDG7

Affordable and Clean Energy

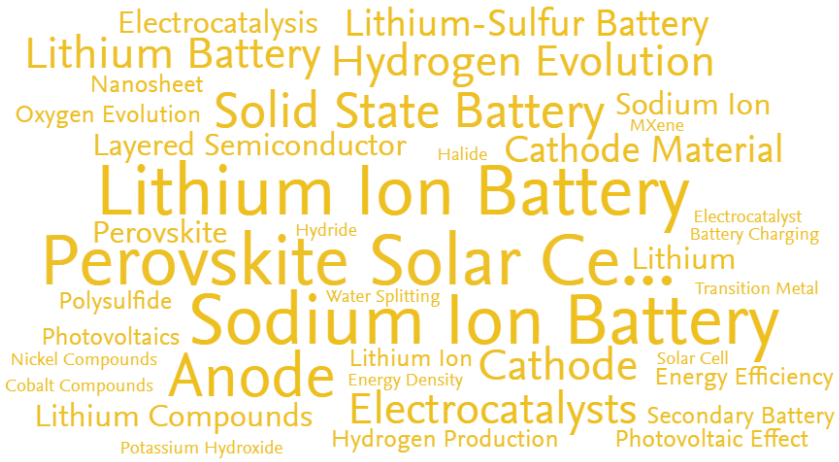
Ensure access to affordable, reliable, sustainable and modern energy for all.

SDG7.1 Research focus

| Fudan SDG7 Subject Areas



| Fudan SDG7 Keyphrases



SDG7.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	52
Number of Graduate Courses (units)	65
Number of Graduate Degree Programs (units)	3

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	2

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	13
Number of Chinese and Foreign Publications (units)	75
Number of Patents (units)	2

Relevant Research Institutes

Number of University-level Research Institutes (units)	3

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	9
Participants in Public Training Programs (persons)	111

Relevant Student Activities

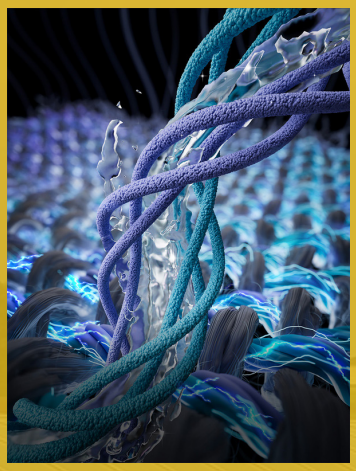
Number of Student Clubs (units)	1

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	591
Number of English Social Media Posts (articles)	190
Number of International Conferences (events)	3
Participation in International Conferences (person-times)	58

SDG7.3 Practical Case

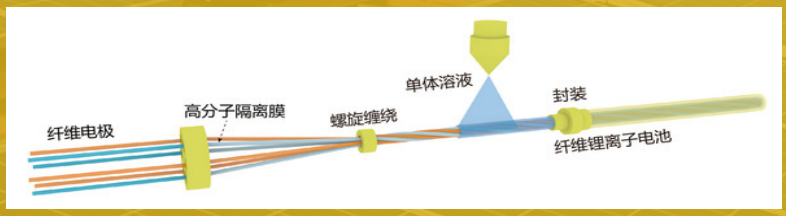
7-3.1 Ushering in a New Era of Wearable Energy: Fudan University's Breakthrough Featured Again in *Nature!*



A research team led by Academician Peng Huisheng from the Department of Macromolecular Science at Fudan University has made a significant breakthrough in the field of fiber-based lithium-ion batteries. By designing fiber electrodes with a porous structure, the team successfully addressed the long-standing issue of poor interfacial stability between polymer gel electrolytes and electrodes. This advancement enabled the scalable fabrication of fiber batteries featuring high safety and high energy-storage performance. The groundbreaking study, titled *"High-performance fibre battery with polymer gel electrolyte"* was published on April 24 in the prestigious journal Nature. The research establishes a practical demonstration for the application of fiber battery fabrics, bridging the "last mile" from laboratory innovation to real-world application. These novel fiber batteries are poised to revolutionize future energy supply systems, offering a flexible, reliable, and efficient power solution and bringing science fiction one step closer to reality.

To address the challenge of interfacial instability between polymer gel electrolytes and fiber electrodes, the team drew inspiration from the biological characteristics of Parthenocissus (Boston ivy). They designed fiber electrodes featuring a multiple network of pores and oriented channels. By infiltrating the electrodes with monomer solutions followed by in-situ polymerization, a stable interface was achieved, enabling the integration of both high safety and high energy-storage performance. Building upon this innovation, the team further developed a continuous fabrication process and established a pilot-scale production line for fiber batteries, paving the way for scalable manufacturing and real-world application.

The team is now actively exploring real-world applications for fiber batteries. Prototypes such as rechargeable backpacks and high-temperature-resistant firefighting suits demonstrate the practical potential of this technology. Looking ahead, fiber batteries are expected to be extended to demanding scenarios such as polar expeditions and aerospace missions. The team also plans to collaborate with industry partners to optimize the production line, aiming to promote the large-scale, low-cost commercialization of fiber battery technologies.



7-3.2 The First International Symposium on Aqueous Batteries was Held at Fudan University

The First International Symposium on Aqueous Batteries was held from October 11 to 13, 2024 at the Jiangwan Campus of Fudan University. The event was co-hosted by Fudan University and Nankai University, and jointly organized by eScience, Angew, and Jiaotou Zhuoyue New Energy Technology Co., Ltd. Academician Zhao Dongyuan of Fudan University and Academician Chen Jun of Nankai University served as co-chairs of the symposium.

Centered on the theme *"Advancing Green Energy with Innovative Quality, building a Safer Future Together"*, the symposium brought together leading scientists,

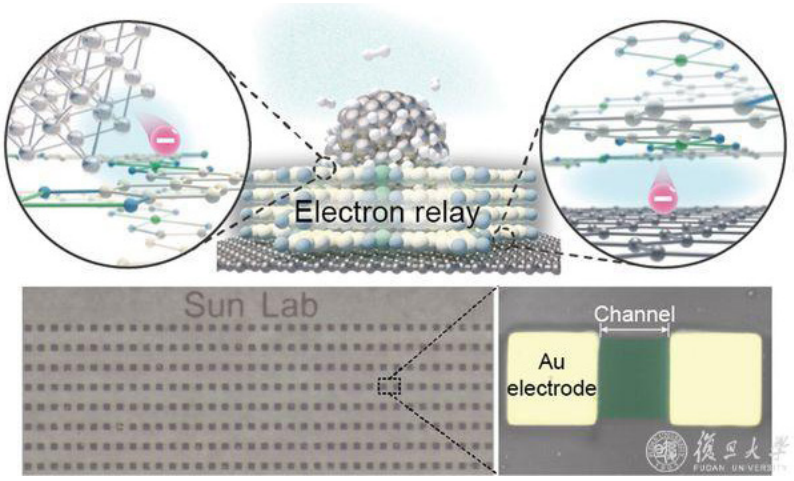
technical experts, and industry leaders from around the world. Over the two-day event, internationally renowned scholars such as Academician Cui Yi from Stanford University and Academician Guo Zaiping from the University of Adelaide, along with more than 40 top domestic experts—including recipients of the National Science Fund for Distinguished Young Scholars, Cheung Kong Scholars, and scholars selected for the Ten Thousand Talent Program, engaged in in-depth discussions on fundamental research, technological innovation, and future development of aqueous batteries. Six emerging technology startups presented analyses of different technological pathways in aqueous battery development, exploring current progress and future prospects. A roundtable discussion further examined the new societal and commercial value created by the large-scale industrialization of aqueous batteries, offering deep insights into the future of Industry-University-Research in this field.

7-3.3 Latest Research Progress by Sun Zhengzong's Team at Fudan University: MOF Epitaxial Devices Enhance Hydrogen Energy Safety

In July 2024, Professor Sun Zhengzong's team from the School of Microelectronics at Fudan University, in collaboration with Professor Li Qiaowei from the Department of Chemistry, achieved a significant breakthrough in the field of hydrogen safety monitoring. Their research article titled *"Epitaxial Metal-Organic Framework-Mediated Electron Relay for H_2 Detection on Demand"* was published in ACS Nano, a leading journal of the American Chemical Society. The team developed a flexible hydrogen sensor based on epitaxial metal–organic frameworks (Epi-MOFs) on graphene, offering an innovative solution for safety monitoring across the hydrogen energy supply chain.

To address the limitations of existing commercial hydrogen sensors, such as bulky size, poor flexibility, and high sensitivity to environmental conditions, the research team developed a tri-layer Epi-MOF-Pd structure by epitaxially growing a 25 nm-thick conductive metal-organic framework (Ni-CAT-1) on a millimeter-scale graphene surface, followed by the modification with palladium (Pd) nanoparticles. The work led by Sun Zhengzong's team demonstrates that the Epi-MOF-Pd material exhibits outstanding performance in hydrogen sensing, achieving a remarkable 155% change in resistance and a rapid response time of 12 seconds, along with excellent selectivity, stability, and mechanical flexibility.

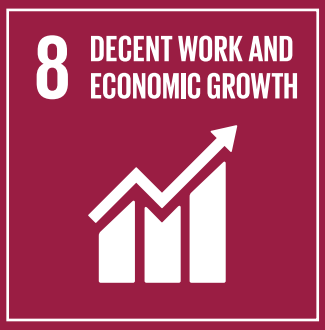
For practical applications, the paper-based Epi-MOF-Pd devices can be deployed like "Post-it notes" on the surfaces of various hydrogen valves and pipelines, enabling real-time communication through wireless connections to a cloud monitoring platform. Furthermore, high-density device arrays (up to 3000 units/cm²) can be fabricated via photolithography, highlighting the material's potential for on-demand deployment and large-scale manufacturing.



7-3.4 The First Symposium on Energy Polymers was held at Fudan University

From April 13 to 14, 2024, the First Symposium on Energy Polymers was held in Shanghai, co-hosted by the State Key Laboratory of Molecular Engineering of Polymers (Fudan University) and Contemporary Amperex Technology Co., Limited (CATL). The symposium focused on the development and innovation of advanced energy polymer materials, highlighting the latest research achievements and technological advancements in the field. It also addressed current challenges and explored future directions, aiming to promote the research, development, and industrialization of advanced energy polymer materials.

The symposium was co-chaired by Academician Peng Huisheng of Fudan University and Professor Ouyang Chuying of CATL, and brought together over one hundred scholars and industry representatives from both domestic and international institutions to engage in in-depth discussions on polymer materials and new energy technologies. The successful conclusion of the symposium marked a significant step forward in the strategic collaboration between Fudan University and CATL in advancing research and applications in the field of energy polymers. Both organizers expressed their commitment to continued efforts in driving innovation and application of energy polymer technologies, jointly embracing a new era in energy science.



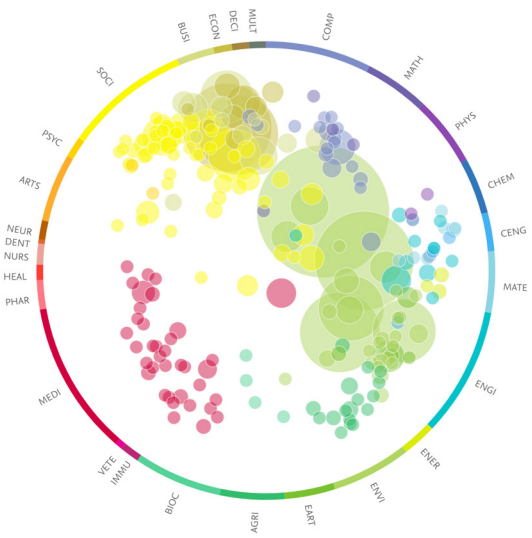
SDG8

Decent Work

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.

SDG8.1 Research focus

| Fudan SDG8 Subject Areas



COMP	Computer Science
MATH	Mathematics
PHYS	Physics and Astronomy
CHEM	Chemistry
CENG	Chemical Engineering
MATE	Materials Science
ENGI	Engineering
ENER	Energy
ENVI	Environmental Science
EART	Earth and Planetary Sciences
AGRI	Agricultural and Biological Sciences
BIOC	Biochemistry, Genetics and Molecular Biology
IMMU	Immunology and Microbiology
VETE	Veterinary
MEDI	Medicine
PHAR	Pharmacology, Toxicology and Pharmaceutics
HEAL	Health Professions
NURS	Nursing
DENT	Dentistry
NEUR	Neuroscience
ARTS	Arts and Humanities
PSYC	Pyschology
SOCI	Social Sciences
BUSI	Business, Management and Accounting
ECON	Economics, Econometrics and Finance
DECI	Decision Sciences
MULT	Multidisciplinary

| Fudan SDG8 Keyphrases

SDG8.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	90
Number of Graduate Courses (units)	229
Number of Graduate Degree Programs (units)	75

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	267

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	208
Number of Chinese and Foreign Publications (units)	658

Relevant Research Institutes

Number of University-level Research Institutes (units)	26
Number of university-level think tanks(units)	2

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	38
Participants in Public Training Programs (persons)	1002
Number of Online Courses (MOOCs) (units)	34
Total Enrollment in Online Courses (MOOCs) ((person-times)	302059
Number of Student Social Practice Teams (units)	32
Student Participation in Social Practices (person-times)	415

Relevant Student Activities

Number of Student Clubs (units)	11

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	678
Number of English Social Media Posts (articles)	95
Number of International Conferences (events)	2
Participation in International Conferences (person-times)	42

SDG8.3 Practical Case

8-3.1 Fudan Students Win 3 Gold and 1 Silver at the Finals of the First National College Student's Career Planning Competition

On May 12, 2024, the award ceremony for the Finals of the First National College Student's Career Planning Competition was held at Xianghui Hall of Fudan University. Jointly organized by the Ministry of Education and the Shanghai Municipal People's Government, this competition is the first national-level event specifically designed to promote high-quality and adequate employment among college students. Since its launch in August 2023, the competition has attracted 9.52 million student participants from 2,740 universities and colleges across China. Among them, 7.44 million registered for the Student Growth Track, and 2.08 million for the Student Employment Track. Additionally, 3,707 teachers participated in the Teaching Track, representing 1,565 higher education institutions and 1,921 teaching teams.

In recent years, the Ministry of Education has placed great emphasis on career education for college students, effectively promoting the integration and mutual reinforcement of career education, employment guidance, and competition-based learning across higher education institutions. These efforts aim to raise students' awareness of career planning, foster synergy among stakeholders, and mobilize support from the entire society to facilitate the employment of college graduates. In the 2024 National College Student's Career Planning Competition, four students from Fudan University advanced to the finals, achieving outstanding results: 3 gold medals, 1 silver.Tang Jiewei, an undergraduate student from the School of Computer Science, and Zhang Yang, an undergraduate from the College of Foreign Languages and Literature, received the gold and silver medals respectively in the Growth Track. Meanwhile, Shi Xinran, a master's student from the College of Foreign Languages and Literature, and Dai Shuyang, a doctoral student from the Children's Hospital of Fudan University, both won gold medals in the Employment Track.

8-3.2 "AI+" Employment Guidance Enters Campus: Empowering University Graduates for High-Quality Employment through Comprehensive Support

On November 5, 2024, Fudan University successfully held one of the featured events of the "*2024 Autumn Career Month: Building Dreams Nationwide, Launching into the Future*" series. Guided by the Shanghai Municipal Education Commission and organized by the Career Development Education and Service Center for Students at Fudan University, the event aimed to strengthen students' career education, promote alignment between talent supply and industry demand, and support graduate employment.
At the event, the China Education Online - Employment Team skillfully utilized AI-powered employment service tools to empower students in achieving high-quality employment. Serving a broad range of students from undergraduate to graduate levels, the team provided AI-based resume evaluation, mock interviews, and career planning services tailored to various disciplines, including humanities, economics and management, and electrical engineering. These services aimed to support students in securing quality job opportunities and effectively planning their career paths.

8-3.3 Fudan University Launched Joint Graduate Training Program with Chinese Central State-owned Enterprises in 2024

In July 2024, Fudan University released the "*2024 Admissions Guidelines for the Joint Graduate Training Program with Chinese Central State-owned Enterprises*", aiming to deepen industry-education integration and innovate employment promotion mechanisms through this initiative. The program features a collaborative design of the training curriculum between the university and enterprises, focusing on the technological upgrading and strategic needs of Chinese central State-owned enterprises. It selects outstanding students committed to serving the nation's major strategic goals and implements a "Theoretical Coursework + Enterprise Rotation + Dual Mentorship" training model. After completing foundational courses at Fudan University, participants undertake a one-year project-based internship at Chinese central State-owned enterprises such as China Electronics Corporation (CEC) and China Electronics Technology Group Corporation (CETC). Under the joint supervision of academic mentors from the university and technical experts from enterprises, students engage in tackling critical bottleneck technologies, including chip development and intelligent manufacturing.
This model has significantly enhanced the practical engineering skills of graduate students. Among the first cohort of jointly trained graduates, 92% secured retention offers from Chinese central State-owned enterprises, with some outstanding students directly joining the strategic departments at the group headquarters.

8-3.4 Fudan University Hosts Career Education Forum for Medical Schools at Shanghai Medical College, Ushering in a New Chapter in Medical Student Career Development

To fully implement the spirit of the Third Plenary Session of the 20th CPC Central Committee and the National Education Conference, and to promote the high-quality development of student employment in Shanghai's higher medical institutions, the "*Exploring Medical Student Career Education: Opportunities and Challenges*" Career Education Forum for Medical Schools in Shanghai was held on October 17, 2024, at Shanghai Medical College, Fudan University.
The forum aimed to establish a multifaceted platform oriented toward medical student career education, serving as a platform for information exchange, interactive sharing, resource integration, and mutual collaboration. It sought to promote the integration of theory and practice, explore and advance innovative development in medical student career education, and facilitate high-quality and full employment for medical students. Over 80 experts and practitioners in medical education from five medical institutions in Shanghai, along with representatives from relevant enterprises and research organizations, were invited to participate in the forum.
Following the forum, a special Career Carnival session was held. Attending guests, faculty and students from Shanghai Medical College actively participated in themed activities such as Career Awakening Island, Job Hunting Bootcamp, and Career Support Hub. Through interactive experiences and sharing sessions, participants gained deeper insights into the importance and practicality of career planning. This segment was designed to enhance the engagement and enjoyment of career education, enabling faculty and students to acquire valuable career-related knowledge and experience in a relaxed and enjoyable atmosphere.

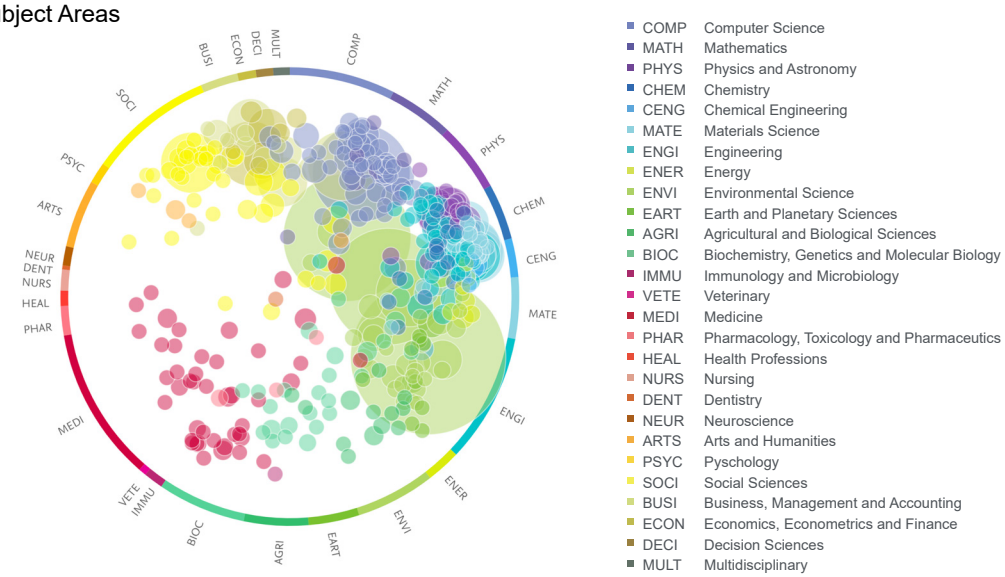
SDG9

Industry, Innovation and Infrastructure

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

SDG9.1 Research focus

| Fudan SDG9 Subject Areas



| Fudan SDG9 Keyphrases

SDG9.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	157
Number of Graduate Courses (units)	3860
Number of Graduate Degree Programs (units)	75

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	10

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	6772
Number of Chinese and Foreign Publications (units)	141
Number of Patents (units)	545
Number of Technology Transfers (units)	34

Relevant Research Institutes

Number of University-level Research Institutes (units)	35

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	59
Participants in Public Training Programs (persons)	929
Number of Online Courses (MOOCs) (units)	32
Total Enrollment in Online Courses (MOOCs) ((person-times)	77101
Number of Student Social Practice Teams (units)	68
Student Participation in Social Practices (person-times)	920

Relevant Student Activities

Number of Student Clubs (units)	8

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	3678
Number of English Social Media Posts (articles)	1035
Number of International Conferences (events)	16
Participation in International Conferences (person-times)	1431

SDG9.3 Practical Case

9-3.1 Fudan's Six-Year Campus Renewal: Building a Modern, Intelligent, and Humanistic Educational Space

Since 2018, Fudan University has advanced its campus development agenda, completing a new round of planning and adjustment for all four campuses. This included the construction of 630,700 square meters of new facilities and the renovation of 434,900 square meters. A range of new teaching, research, and student activity spaces have emerged, significantly improving accommodations, dining halls, and public cultural and sports facilities. A more modern, eco-friendly, and elegant campus is thus presented in front of teachers and students.

Over the past five years, various research facilities have been completed, including the "No. 2 Medical Research Building" on the Fenglin Campus, the Laboratory Animal Facility and Experimental Material Service Station of the Institute of Developmental Biology and Molecular Medicine on the Jiangwan Campus, the Research Center for Chinese Economy and Culture on the Handan Campus, and the Southern Brain Science Platform on the Zhangjiang Campus. In addition to research infrastructure, student life facilities have flourished. Dining halls have been subtly renovated to incorporate Fudan cultural elements, transforming them from simple eateries into integrated campus hubs. As part of its smart campus initiative, Fudan has launched a virtual campus card—"Fudan Life Code"—enabling seamless access, payments, and medical services, promoting a low-carbon, environmentally friendly campus.

Cultural development has also been prioritized to create a spiritual home for the Fudan community. At the end of 2023, the university launched the "Fudan Source" Historical and Cultural Zone. Centered around the lawn in front of Xianghui Hall—the birthplace and spiritual root of the university—this zone will feature a newly renovated university history museum, an art museum, a cultural center, and an alumni center. The project incorporates feedback from faculty, students, alumni, and professional designers. It aims to serve as a collective spiritual space for all members of Fudan and will collaborate with top institutions like the Shanghai Museum to showcase Shanghai's cultural assets, enhancing both university and city cultural soft power.

9-3.2 Fudan University Hosts Innovation and Entrepreneurship Forum: Exploring New AI-Driven Paths for Globalization

On December 28, the Fudan Innovation and Entrepreneurship Forum was held at the Zhengli Campus of the School of Management. With the theme “Navigating Cycles: Artificial Intelligence and Enterprise Global Expansion”, the forum brought together academia and industry to explore how AI and globalization can help enterprises thrive amid rapidly evolving digital and global trends. Over 400 business representatives, university faculty, and students attended the event.

The forum brought together leading figures from industry, academia, and research to collectively explore how AI can be practically implemented to drive global business expansion, forging a new model of technological innovation and strategic collaboration.

9-3.3 Collaborating on AI Education: Cultivating Future Innovators

On the afternoon of April 17, 2024, the Fudan University Elementary Education Group officially launched the "Fudan AI Talent Co-Education Base for Elementary Education" at Fudan University’s Second Affiliated School. Leveraging Fudan’s academic strengths and national AI curriculum resources, the base will develop school-specific courses and intelligent learning environments, extending its benefits to affiliated schools across the country and partner schools in Yunnan and other underserved areas. During the launch, Fudan’s School of Computer Science, the Institute of Higher Education, and the Second Affiliated School signed cooperation agreements and jointly unveiled platforms including the “AI Education Practice Base” and “Innovation Education Laboratory". Five partner schools, such as the Fudan University Affiliated Xuhui Experimental School and Minhang Experimental School, received formal recognition.

Professor Yan Bo from the School of Computer Science delivered a keynote titled “A New Engine for AI4S—Knowledge-Fused AIGC", illustrating how AI can transform science education and inspire educators to explore technology-enhanced teaching. In the future, the base will pool diverse resources to support the development of K-12 AI curricula, teacher training, and research dissemination, providing systematic support for nurturing innovative talent in the AI era.

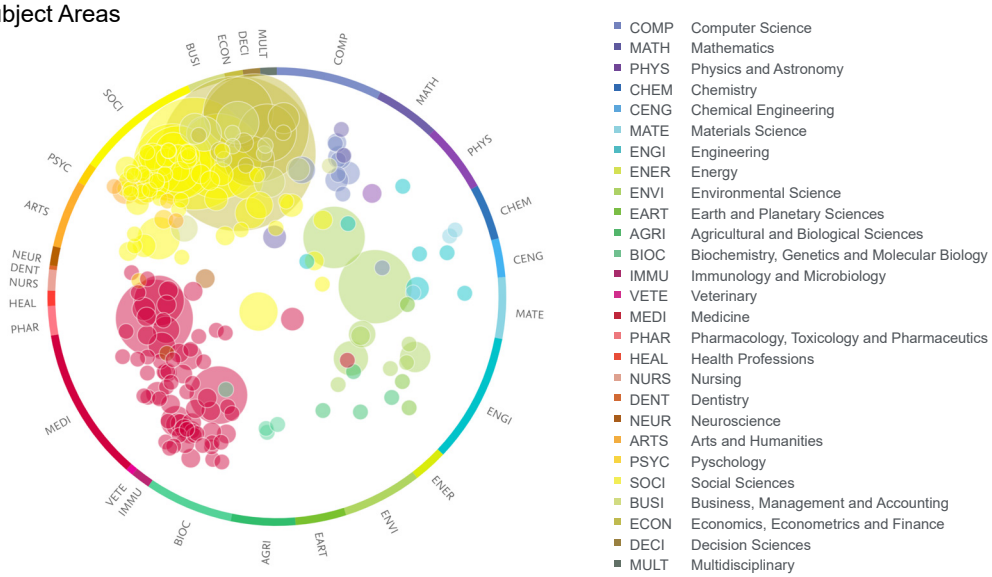
SDG10

Reduce Inequality

Reduce inequality within and among countries.

SDG10.1 Research focus

| Fudan SDG10 Subject Areas



| Fudan SDG10 Keyphrases

SDG10.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	51
Number of Graduate Courses (units)	434
Number of Graduate Degree Programs (units)	13

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	79

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	1
Number of Chinese and Foreign Publications (units)	62

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	12
Participants in Public Training Programs (persons)	732
Number of Student Social Practice Teams (units)	141
Student Participation in Social Practices (person-times)	1664

Relevant Student Activities

Number of Student Clubs (units)	16

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	633
Number of English Social Media Posts (articles)	192
Number of International Conferences (events)	3
Participation in International Conferences (person-times)	1

SDG10.3 Practical Case

10-3.1 Fudan's First visually-impaired, Graduate Student to Pursue Special Education Career

On June 20, Fudan University held its 2024 graduation ceremony, with Zhu Lingjun, a visually impaired master's student from the School of Social Development and Public Policy, attending as a member of the graduating class of 2022.

As a visual-impaired student, Zhu faced challenges far beyond those of her peers—relying on screen-reading software to access digital materials, solving graphic verification codes with the aide of classmates, and previewing course materials in advance to keep up with the class pace. Fudan University provided comprehensive support, such as relocating her classes to nearby buildings, adding braille signage in academic facilities, and training dining hall staff to assist with meal selections. Crucially, the university upheld rigorous academic standards—Zhu earned straight A's in core courses, and under the close mentorship of Professor Zhao Fang, completed a thesis on disability-friendly hospital design that underwent more than ten revisions before receiving distinction.

Zhu's story is not an exception. Through its "Barrier-Free Campus Initiative", Fudan has turned its commitment to equality into tangible actions. A team of 34 students spent three months evaluating the accessibility of 33 buildings, producing a 138-page renovation proposal. The self-developed "Hearing the World" app is now being piloted in Shanghai, using AR to help visually impaired users detect traffic lights and obstacles.

Zhu's career choice is meaningful: she will return to a special education school in Wuxi to teach visual-impaired children—transforming from recipient of support to provider. This shift embodies the deeper value of Fudan's equity initiatives: leveraging technology, policy, and compassion to remove not only physical barriers but also societal biases, enabling all individuals to flourish in inclusive environments.

10-3.2 Fudan Launches "Little Squirrel" Initiative to Support Children with ADHD

On June 3, the School of Social Development and Public Policy at Fudan University launched the "Little Squirrel" project, which focuses on building a comprehensive support system for children and adolescents with ADHD. The initiative centers on scientific research, curriculum development, and the creation of an information-sharing platform. It leverages Fudan's interdisciplinary strengths in psychology, medicine, social work, information engineering, social policy, and social security, with the planned Fudan University Center for Child and Adolescent Psychological Development as the lead institution. It will carry out interdisciplinary cooperation in the fields of arts, science, medicine, and engineering, conduct problem-oriented scientific research and social practice, and build a platform covering the entire growth cycle of children and adolescents and coordinating resources from the entire society for the research and services of children with ADHD.

The team is currently undertaking several key research projects, including: interventions for ADHD youth with depressive symptoms, parent-child interaction–based ADHD treatment models, creativity and potential in children with ADHD, and international comparative studies of ADHD support systems.

10-3.3 2024 Fudan University "Top 10" Outstanding Youth Volunteer Service Collectives:Fudan University Student Legal Aid Center

Founded in 1996, the Fudan University Student Legal Aid Center is the first legal aid service in China composed entirely of university student volunteers. Operating under a “core team + volunteer pool” model, it maintains a roster of over 200 long-term volunteers and has established strong partnerships with multiple organizations. The Center has always adhered to the service goal of "enhance personal quality, give back to society with knowledge, and ensure justice for all", and is committed to providing legal services to marginalized communities while offering volunteers meaningful opportunities for growth.

In 2024, the center provided ten ongoing service programs using a hybrid online and offline model. These included in-person legal consultation booths and educational outreach, as well as online services through platforms like the “Yiqixiu” app. In the 2023–2024 academic year alone, the center processed and carefully responded to 151 online legal inquiries with the participation of 120 volunteers. Its “Legal Interpretation” column, case study manuals, and legal-themed radio dramas have reached over 25,000 teachers and students at 38 schools, with more than 800,000 online views and over a thousand service hours recorded.

10-3.4 2024 Fudan University “Top 10” Outstanding Youth Volunteer Service Collectives: “Starlight” Migrant Children’s Communication Skills Enhancement Volunteer Team

Established in 2021, the “Starlight” Volunteer Team aims to address communication challenges commonly faced by children of migrant workers. Through thematic courses in logical debate, therapeutic drawing, and improvisational theatre, the team seeks to nurture expression skills and confidence among these students. Programs are delivered during regular academic terms and seasonal camps.

The team is composed of passionate and socially conscious youth volunteers. Volunteer instructors utilize their academic expertise to design innovative and student-centered curricula. For instance, students from the School of Philosophy integrate critical thinking with art, Law School students offer basic legal literacy sessions, and students from the Department of History use debate topics to inspire historical reflection. These contributions enrich the program’s content and impact.

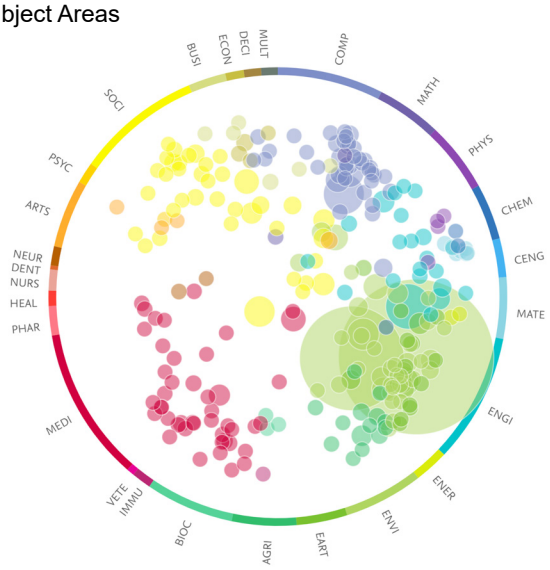
SDG11

Sustainable Cities and Communities

Make cities and human settlements inclusive, safe, resilient and sustainable.

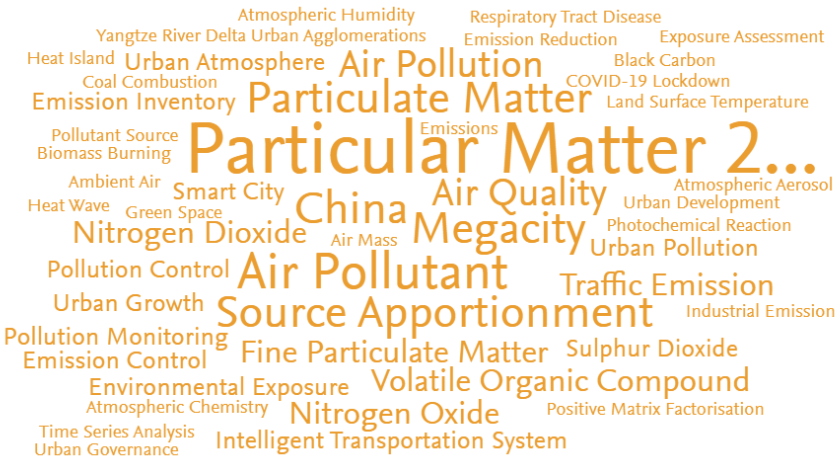
SDG11.1 Research focus

| Fudan SDG11 Subject Areas



COMP	Computer Science
MATH	Mathematics
PHYS	Physics and Astronomy
CHEM	Chemistry
CENG	Chemical Engineering
MATE	Materials Science
ENGI	Engineering
ENER	Energy
ENVI	Environmental Science
EART	Earth and Planetary Sciences
AGRI	Agricultural and Biological Sciences
BIOC	Biochemistry, Genetics and Molecular Biology
IMMU	Immunology and Microbiology
VETE	Veterinary
MEDI	Medicine
PHAR	Pharmacology, Toxicology and Pharmaceutics
HEAL	Health Professions
NURS	Nursing
DENT	Dentistry
NEUR	Neuroscience
ARTS	Arts and Humanities
PSYC	Pyschology
SOCI	Social Sciences
BUSI	Business, Management and Accounting
ECON	Economics, Econometrics and Finance
DECI	Decision Sciences
MULT	Multidisciplinary

| Fudan SDG11 Keyphrases



SDG11.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	61
Number of Graduate Courses (units)	232
Number of Graduate Degree Programs (units)	28

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	105

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	186
Number of Chinese and Foreign Publications (units)	52

Relevant Research Institutes

Number of University-level Research Institutes (units)	11
Number of university-level think tanks(units)	1

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	55
Participants in Public Training Programs (persons)	1304
Number of Online Courses (MOOCs) (units)	4
Total Enrollment in Online Courses (MOOCs) ((person-times)	75182
Number of Student Social Practice Teams (units)	81
Student Participation in Social Practices (person-times)	995

Relevant Student Activities

Number of Student Clubs (units)	9

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	1716
Number of English Social Media Posts (articles)	599
Number of International Conferences (events)	4
Participation in International Conferences (person-times)	163

SDG11.3 Practical Case

11-3.1 Future Valley – Bay Valley Innovation Center Officially Launched

On May 30, the Future Valley – Bay Valley Innovation Center was officially inaugurated through a partnership between the Yangpu District Government of Shanghai, Fudan University and Shanghai Chengtou Group Corporation. The initiative aims to facilitate the transformation of scientific research into practical outcomes, enhance the regional innovation ecosystem, integrate technology with urban development, and foster new quality productivity. Relying on Fudan's strengths in science, engineering, and medicine, the center will focus on the digital economy, AI, life sciences, and green low-carbon technologies. It will facilitate the transformation of scientific and technological achievements, enhance the regional innovation level, achieve the deep integration of science and technology with the city, thereby strengthening the innovation source capacity and developing new productive forces. The three parts signed a framework cooperation agreement, taking the opportunity to build the Future Valley - Bay Valley Innovation Center, to promote comprehensive cooperation.

The center adopts a model of "government-led, university-supported, market-oriented, and open operations" , mainly promoting major scientific and technological projects, facilitating the implementation and transformation of scientific and technological outcomes, and improving the clustering development of industrial projects. The center will specifically implement nine major initiatives, including: accelerating innovation enterprise growth, enhancing university science parks, creating high-quality incubators, building new R&D institutions, supporting collaborative innovation groups, aligning financial and tech resources, integrating technical resources, strengthening talent policies, and establishing a Future Valley–Bay Valley exhibition center.

This tripartite collaboration represents a strategic move by Fudan, Yangpu District, and Shanghai Chengtou Group Corporation to contribute to the development of Shanghai as a global science and innovation hub. In the future, the center aims to become a key driver of innovation and reform, both locally and nationally.

11-3.2 8th YICMG Concludes in Thailand: Youth from Six Countries Co-Create a Sustainable Future

On July 12, the 8th Youth Innovation Competition on Lancang-Mekong Governance and Development (YICMG) successfully concluded at Prince of Songkla University, Thailand. Jointly organized by Fudan University and other partners, this year's competition centered on "*Sustainable Cities and Human Settlements*". The event attracted 288 young participants from 9 universities across the six Lancang-Mekong countries, who submitted a total of 96 innovative project proposals. Four awards, including "*The Most Valuable Question*", were presented to outstanding entries.

Fudan University took the lead in launching the "Lancang-Mekong Café" in-depth dialogue session, bringing together 20 multinational teams, representatives from organizations such as UN-Habitat and the ASEAN Foundation, as well as experts from all six countries in the region to share insights and enhance collaborative proposals. During the event, Fudan signed a partnership agreement with Prince

of Songkla University to jointly establish a Lancang-Mekong Youth Innovation Laboratory. The event also marked the launch of the “Fudan No.1: Lancang-Mekong Future Satellite” data-sharing initiative. The satellite will offer open-access data to support agricultural monitoring and disaster early warning systems. Additionally, a new scholarship program was announced to support youth from Lancang-Mekong countries in pursuing interdisciplinary research, fostering long-term collaboration across science, education, and industry.

11-3.3 No Gates, No ID Check—A Campus Without Walls

Nestled between the public community and a technology park, a new campus of Fudan University’s School of Management has quietly opened its doors—without physical walls, gatehouses, or ID verification. The Zhengli Campus welcomes the public to walk through and experience the space like a public park. This integrated model combines university campus, technology park, and local community into a shared development zone, enabling seamless cultural exchange and smoother technology transfer.
Officially inaugurated on December 7, 2024, the new Zhengli Campus serves as a flagship model for upgrading the Yangpu’s innovation hub. Through its open facilities, close industry-academia collaboration, and vibrant cultural programming, the campus has significantly boosted regional economic vitality and community engagement. Its launch marks a critical milestone in Fudan University’s “Three-Zone Synergy” strategy, signaling increased innovation convergence and providing fresh momentum for Shanghai’s high-quality development.

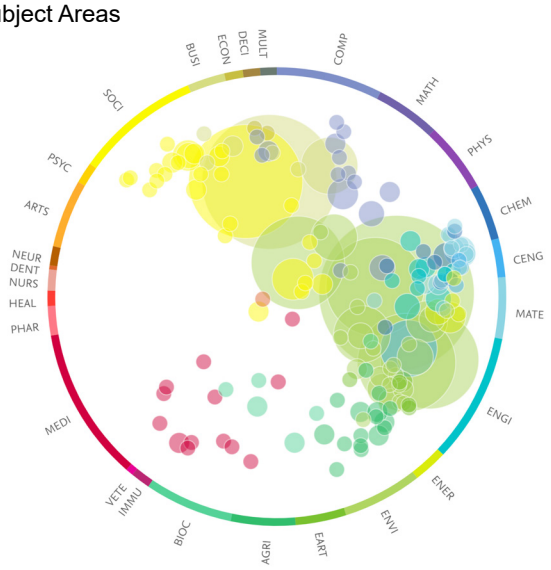
SDG12

Responsible Consumption and Production

Ensure sustainable consumption and production patterns.

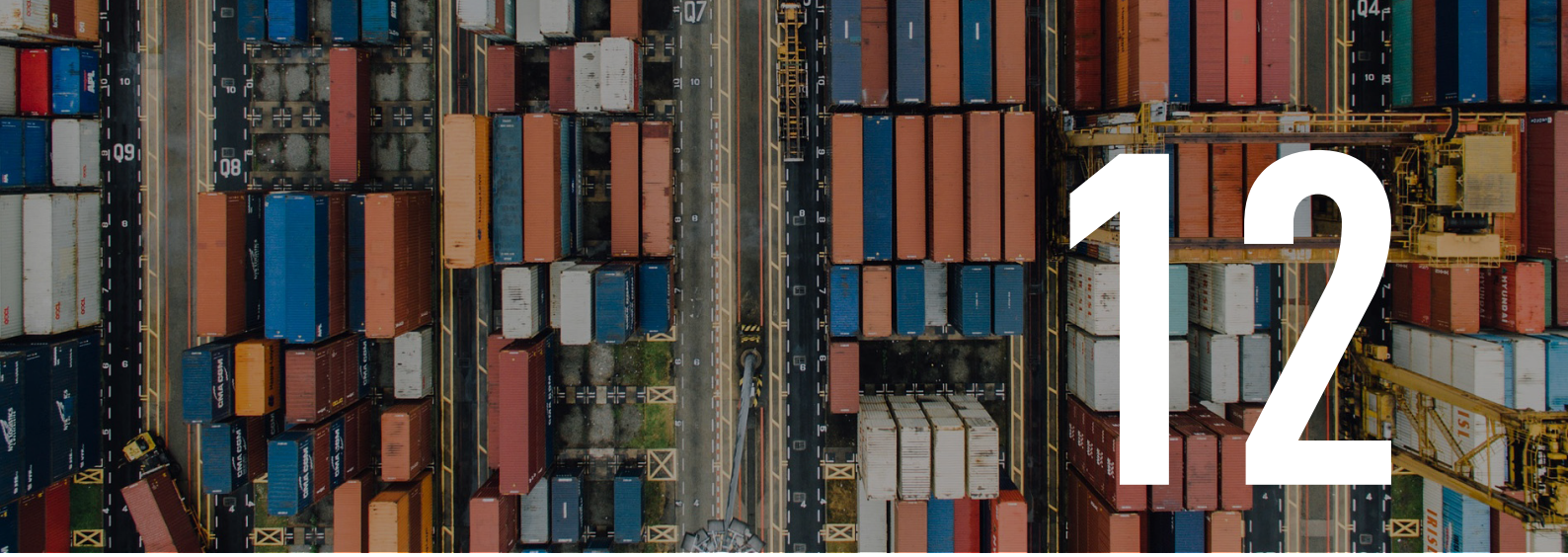
SDG12.1 Research focus

| Fudan SDG12 Subject Areas



- COMP Computer Science
- MATH Mathematics
- PHYS Physics and Astronomy
- CHEM Chemistry
- CENG Chemical Engineering
- MATE Materials Science
- ENGI Engineering
- ENER Energy
- ENVI Environmental Science
- EART Earth and Planetary Sciences
- AGRI Agricultural and Biological Sciences
- BIOC Biochemistry, Genetics and Molecular Biology
- IMMU Immunology and Microbiology
- VETE Veterinary
- MEDI Medicine
- PHAR Pharmacology, Toxicology and Pharmaceutics
- HEAL Health Professions
- NURS Nursing
- DENT Dentistry
- NEUR Neuroscience
- ARTS Arts and Humanities
- PSYC Pyschology
- SOCI Social Sciences
- BUSI Business, Management and Accounting
- ECON Economics, Econometrics and Finance
- DECI Decision Sciences
- MULT Multidisciplinary

| Fudan SDG12 Keyphrases



SDG12.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	45
Number of Graduate Courses (units)	889
Number of Graduate Degree Programs (units)	75

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	31
Number of Chinese and Foreign Publications (units)	77

Relevant Research Institutes

Number of University-level Research Institutes (units)	3

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	11
Participants in Public Training Programs (persons)	211
Number of Student Social Practice Teams (units)	7
Student Participation in Social Practices (person-times)	88

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	48
Number of English Social Media Posts (articles)	45

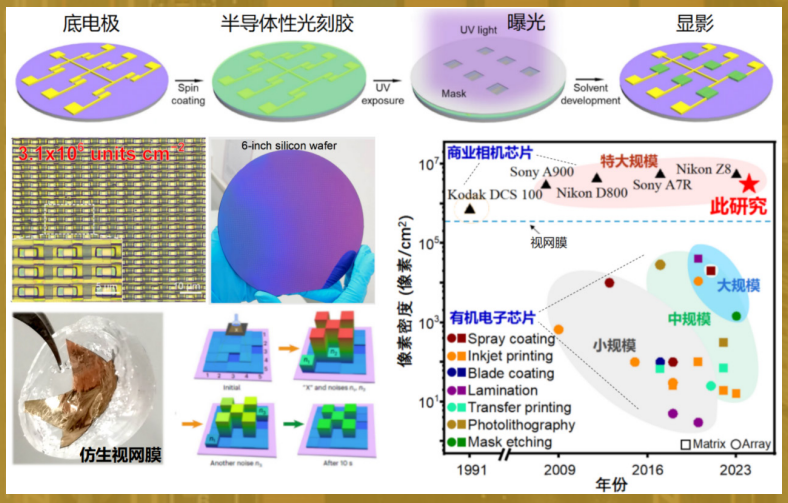
SDG12.3 Practical Case

12-3.1 Fudan University Pioneers Semiconducting Photoresist for Highly Integrated Organic Chips

to make chips smaller in size, stronger in performance, and higher in integration, is a key frontier in technological advancement. At the State Key Laboratory of Molecular Engineering of Polymers, Professor Wei Dacheng and his team at Fudan University have pioneered an “all-photolithographic organic electronics pathway”, addressing the key manufacturing bottlenecks for high-integration organic chips.

The team developed a nanostructured interpenetrating network design strategy and successfully synthesized a semiconducting photoresist—an essential material enabling this pathway. Utilizing this innovation, they fabricated the world’s first polymer semiconductor chip featuring ultra-large-scale integration, marking the current highest integration level achieved in polymer-based chips. This chip has been applied to flexible, bioinspired retinal devices, delivering photoresponsivity, pixel density, and power consumption comparable to those of the human retina, and achieving image recognition accuracy that surpasses that of commercial CMOS chips. These groundbreaking results were published in *Nature Nanotechnology* in 2024 and spotlighted in the *News & Views* section, which recognized the research as the development of a “wafer-scale, reliable, and standardized manufacturing platform poised to advance organic optoelectronic integration".

The team has also developed photoresist formulations endowed with chemical and bioelectrical sensing functions. Their strategic approach to the molecular design of multifunctional photoresists is expected to catalyze further breakthroughs in the organic chip domain. After years of sustained research, the integration density achieved in their organic chips now ranks among the highest globally. Furthermore, the technology demonstrates strong compatibility with existing commercial microelectronics fabrication workflows, offering significant promise for practical application and industrial-scale adoption.



12-3.2 “Iron Army” for a Vibrant Planet: Fudan Hosts 4th National Symposium on Iron Environmental Chemistry and Pollution Control Technologies

From November 15 to 18, 2024, Fudan University hosted the *4th National Symposium on Iron Environmental Chemistry and Pollution Control Technologies* in Shanghai. The event brought together seven academicians from home and abroad, over 40 recipients of top national talent awards, and nearly 500 participants, including researchers, industry experts, and graduate students.

The symposium featured five thematic sub-sessions and one graduate student forum, focusing on topics including iron-carbon coupling mechanisms, iron-mediated regulation of pollutant behavior, the biogeochemical cycling of iron, the development of reactive iron-based materials, and applications of iron chemistry in pollution mitigation and carbon reduction. Nearly 200 oral academic presentations were delivered. Participants engaged in in-depth academic exchange and debate, fostering the convergence and cross-fertilization of scientific ideas on the advancement of iron environmental chemistry and pollution control technologies.

12-3.3 2024 China Green Point Awards Announced, with Exclusive Academic Support from Fudan University's School of Management

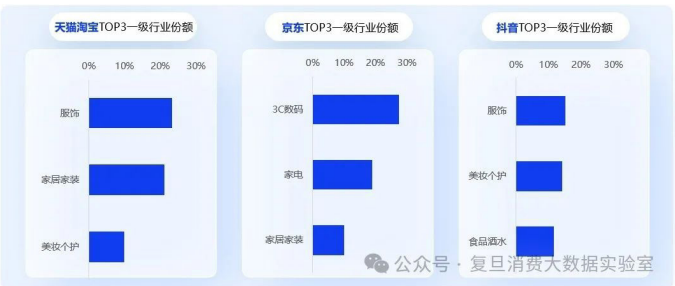
On September 26, the 2024 China Green Point Award Ceremony—organized by Yicai Media with exclusive academic support from Fudan University's School of Management—was held in Shanghai under the theme "Green Blooming". The event brought together industry leaders, scholars, entrepreneurs, and media professionals to explore innovative pathways for sustainable development. Several honors were presented, including the Green Point China Annual Sustainable Practice Case Award and the Green Pioneer Award.

In April 2024, the third annual Green Point China Sustainable Practice Case Selection took place, with Fudan University serving as an expert reviewer for the third consecutive year. This year, the evaluation system was further refined to better capture the value of sustainability across six core dimensions: Green Design, Green Technology, Green Co-Creation, Green Recycling, Green Logistics, and Green Traceability—with Green Design, Green Recycling, and Green Technology emerging as the most competitive categories.

12-3.4 Fudan University's Consumer Market Big Data Laboratory Releases *2024 Double 11 Online Consumption Data Insights*

During the 2024 Double 11 shopping festival, Fudan University's Consumer Market Big Data Laboratory conducted real-time monitoring and analysis of online consumption trends. Leveraging the latest statistics and market dynamics, the lab released a featured report titled *2024 Double 11 Online Consumption Data Insights*. In collaboration with leading e-commerce platforms—including Tmall, Taobao, JD.com, Douyin, and PDD—the lab tracked sales trends across popular categories such as beauty and personal care, home appliances, and digital products. This initiative aims to enhance data transparency, encourage rational consumption, and illuminate shifting consumer preferences and market trajectories. It also provides data-driven support for businesses to optimize production strategies and minimize resource waste. For example, the report highlights robust demand in facial skincare and color cosmetics, enabling the industry to more precisely align with consumer needs and reduce risks of overproduction and inventory backlog. The data further reveals the rising prominence of domestic brands, offering strategic insights for local enterprises to advance green supply chains and foster the development of a closed-loop system for low-carbon production and sustainable consumption.

The project's outcomes have been widely applied in market strategy optimization and public education, helping both consumers and producers deepen their understanding of consumption behavior. This supports a virtuous cycle of "data-driven decisions, behavior optimization, and ecological improvement", reflecting Fudan University's commitment to advancing sustainable production and consumption through technological innovation.



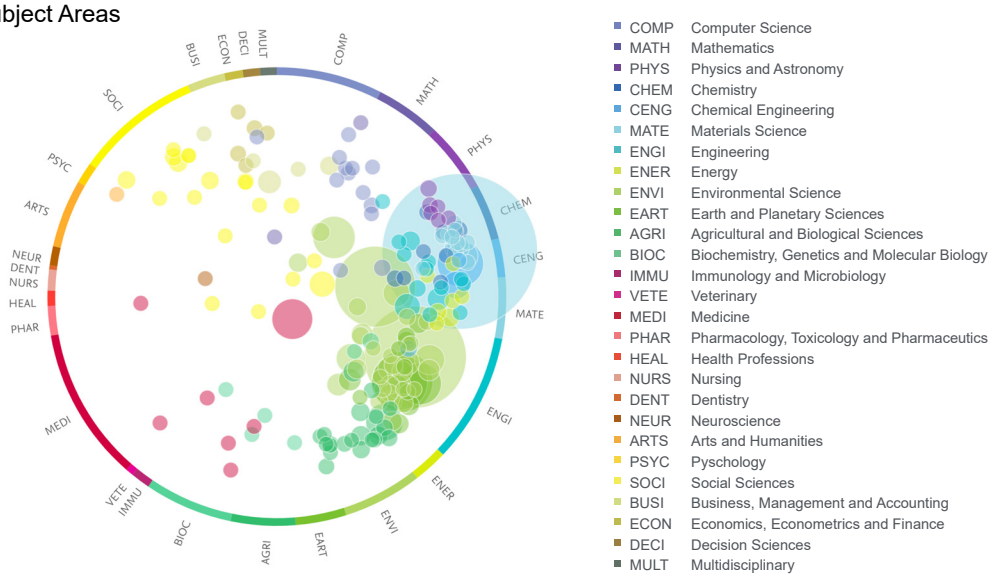
SDG13

Climate Action

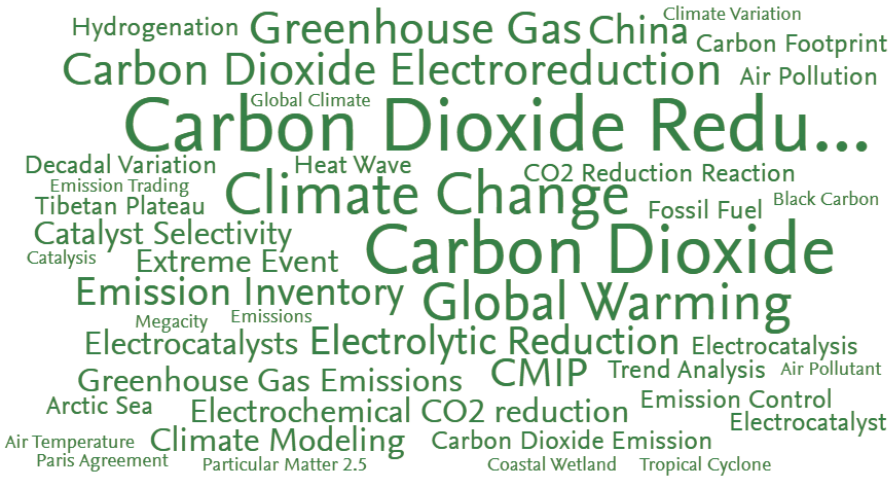
Take urgent action to combat climate change and its impacts.

SDG13.1 Research focus

| Fudan SDG13 Subject Areas



| Fudan SDG13 Keyphrases



SDG13.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	69
Number of Graduate Courses (units)	76
Number of Graduate Degree Programs (units)	3

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	16

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	6
Number of Chinese and Foreign Publications (units)	7

Relevant Research Institutes

Number of University-level Research Institutes (units)	1

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	1
Participants in Public Training Programs (persons)	14
Number of Student Social Practice Teams (units)	1
Student Participation in Social Practices (person-times)	16

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	162
Number of English Social Media Posts (articles)	75
Number of International Conferences (events)	1
Participation in International Conferences (person-times)	1

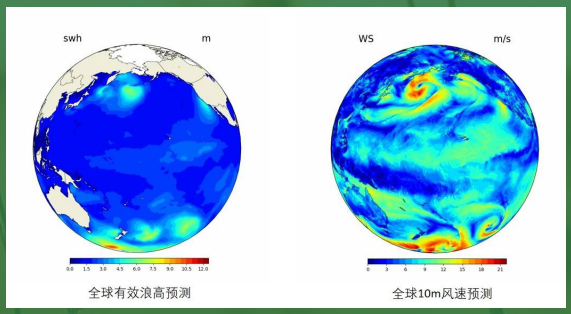
SDG13.3 Practical Case

13-3.1 AI Empowering All Sectors: Launch of the Upgraded Fuxi Model and the Intelligent Meteorology Innovation Ecosystem Alliance

On 3 June 2024, Fudan University and the Shanghai Academy of AI for Science (SAIS) co-hosted a event themed on *Exploring Intelligent Meteorology*, and officially inaugurated the Intelligent Meteorology Innovation Ecosystem Alliance. During the event, the upgraded Fuxi Meteorological Foundation Model 2.0 was formally released, marking a significant advancement in China's AI-driven meteorological capabilities.

Fuxi 2.0 has achieved major breakthroughs in medium-range forecasting and sub-seasonal prediction. Its wide-ranging application potential has been recognized across industries such as renewable energy and aviation transport. Centered around this upgraded model, the new Alliance—jointly initiated by 13 institutions including Fudan University, COSCO Shipping Technology Co., Ltd., and the National Climate Center—aims to accelerate innovation and application in intelligent meteorology through deep integration of academia, industry, and research.

Following its establishment, the Alliance will promote shared access to resources and accelerate the industrial deployment of the Fuxi model. By cultivating an open, collaborative, and innovation-led ecosystem, it is expected to inject new momentum into the development of meteorological science and services in China. Of particular note is the enhanced optimization of Fuxi 2.0 through close collaboration between SAIS and COSCO Shipping. Together, they co-developed the world's first global meteorological foundation model designed specifically for optimized navigational forecasting—providing vital support for maritime safety. The model features improved spatial and temporal resolution, enabling high-precision, 0.1-degree, hourly forecasts up to 15 days in advance. It also integrates a coupled ocean–atmosphere system, incorporating critical variables such as wind waves, swell, and sea surface temperature. These improvements significantly enhance the accuracy of forecasts related to global winds, wave heights, ocean currents, and visibility. Furthermore, the model has been specially adapted to improve prediction of extreme weather events, such as typhoons and severe precipitation, strengthening resilience against climate-related disasters.



全球有效浪高预测　　全球10m风速预测

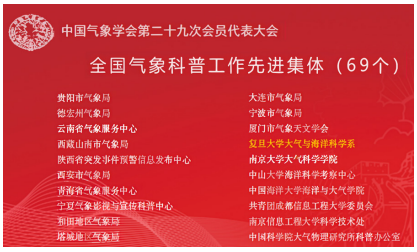
13-3.2 Fudan University and the Polar Research Institute of China Establish Joint Institute for Polar Cryosphere and Climate Change Studies

On 18 July 2024, Fudan University and the Polar Research Institute of China (PRIC) signed a cooperation agreement to jointly establish an institute to study polar cryosphere and climate change. The Institute will draw on Fudan's academic strengths in atmospheric and oceanic sciences, as well as environmental science and engineering, and integrate PRIC's extensive expertise in polar observation and research. The Institute will focus on advancing frontier studies of cryospheric changes in the polar regions and their impacts on the global climate system.

Key research areas will include sea ice–ocean–atmosphere interactions, polar cryosphere variability and its feedback on the global climate, and remote sensing–based monitoring of polar environments. The Institute is designed to provide scientific support for China's polar strategy, climate change adaptation, and sustainable development. It will also serve as a platform for joint talent development in polar science and promote interdisciplinary collaboration and technological innovation.

This partnership marks a significant step forward in Fudan University's engagement with polar and climate change research. It will contribute to enhancing China's global presence in polar science and international climate governance, while also supporting the country's dual carbon goals and broader ecological civilization agenda.

13-3.3 Department of Atmospheric and Oceanic Sciences Honored as "National Advanced Collective for Meteorological Science Popularization"



On May 10, the Chinese Meteorological Society honored outstanding provincial (regional, municipal) meteorological societies, disciplinary (working) committees, exceptional society workers, and collectives and individuals who made significant contributions to science popularization. Fudan University's Department of Atmospheric and Oceanic Sciences and 68 other institutions were awarded the title of "National Advanced Collective for Meteorological Science Popularization".

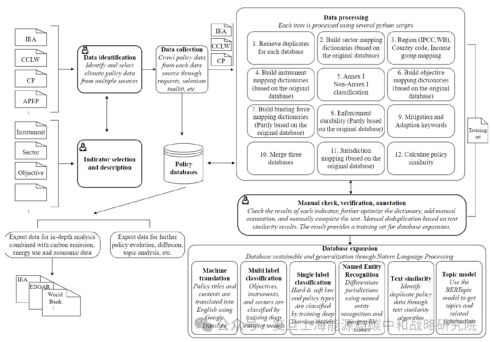
Science popularization is a vital means of enhancing public scientific literacy and serves as the foundation for cultivating top-tier talent. Since its establishment, the Department of Atmospheric and Oceanic Sciences has leveraged its disciplinary strengths to promote the study, application, and communication of atmospheric and oceanic sciences. Under the leadership of academicians and through collaborative efforts between teachers and students, the department has built a dedicated science popularization team of over 100 members, including on-campus science experts, scholars, and student volunteers. This department works to promote scientific spirit and culture, foster a strong atmosphere for science outreach, and advance public understanding of atmospheric and oceanic sciences. Over the past four years, the department has organized more than 30 science popularization events, including 16 meteorological science lectures and six themed offline activities, attracting over 3,000 participants. Additionally, it manages two WeChat public accounts dedicated to meteorological science, which have collectively garnered nearly 1.2 million views.

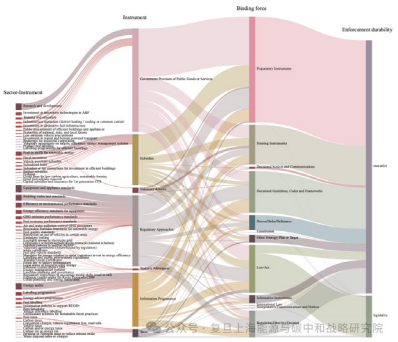
13-3.4 World's Largest AI-Based Climate Policy Database (GCCMPD) Officially Released

On June 4, Scientific Data, a journal under Nature, officially published a paper titled "Harmonizing existing climate change mitigation policy datasets with a hybrid machine learning approach". Alongside this publication, the world's largest climate policy database—containing over 70,000 entries—was made publicly accessible. Developed over three years by a research team led by Professor Wu Libo, Dean of the Shanghai Institute of Energy and Carbon Neutrality Strategy and a faculty member at the School of Data Science, the Global Climate Change Mitigation Policy Database (GCCMPD) aims to provide robust data support for policymakers and researchers worldwide.

The GCCMPD was designed to help national climate policymakers and scholars to conduct more systematic climate policy analysis based on a global perspective. It integrates extensive information on policies at the global, regional, and sector-specific levels, covering 216 entities and 73,625 climate change mitigation policies. The database features multi-dimensional labeling, including target sectors, instruments, objectives, legal compulsion, policy duration, and application scope, making it one of the most comprehensive, finely categorized, and analytically powerful climate policy databases available today.

Professor Wu's research team developed a unified, multi-level methodological framework encompassing source identification, data collection, data preprocessing, manual verification, dataset expansion, and potential applications. Leveraging automated data-engineering pipelines, this framework harmonizes heterogeneous inputs—from global compilations and regional portals to specialized datasets focused on technology, policy instruments, and legislation—thereby addressing previous shortcomings in policy quantity and coverage.





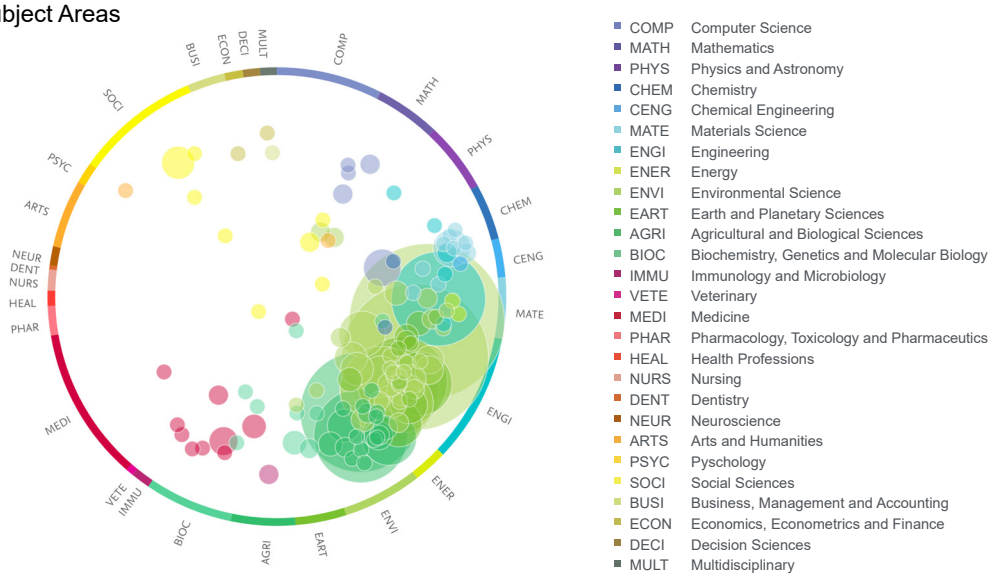
SDG14

Underwater Creatures

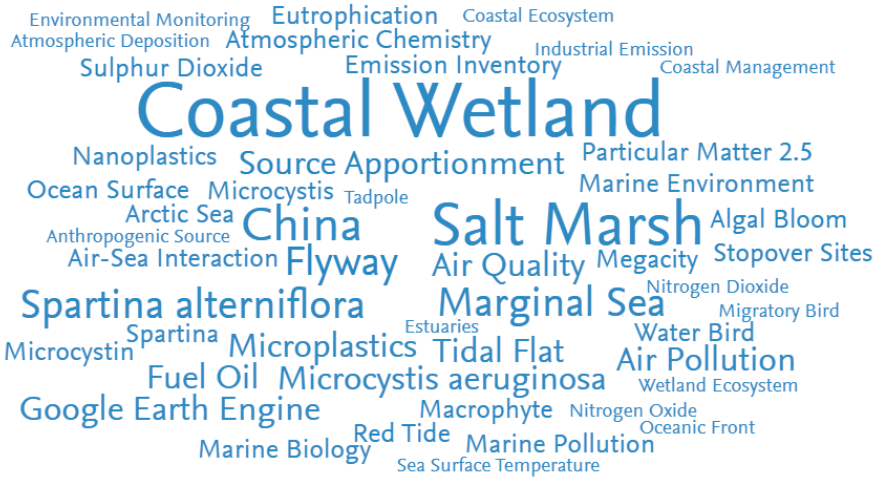
Conserve and sustainably use the oceans, seas and marine resources for sustainable development.

SDG14.1 Research focus

| Fudan SDG14 Subject Areas



| Fudan SDG14 Keyphrases



SDG14.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	26
Number of Graduate Courses (units)	124

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	1
Number of Chinese and Foreign Publications (units)	4

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	1
Participants in Public Training Programs (persons)	47
Number of Student Social Practice Teams (units)	1
Student Participation in Social Practices (person-times)	14

Relevant News and Publicity

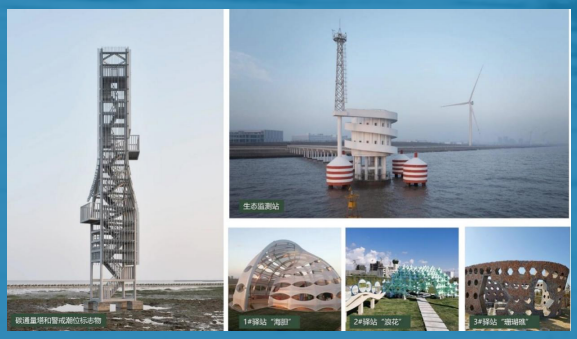
Number of Chinese Social Media Posts (articles)	21
Number of English Social Media Posts (articles)	8

SDG14.3 Practical Case

14-3.1 Supporting Lingang in Creating a “Breathing Coastline” and Advancing Marine Ecological Restoration

In 2024, the Lingang Coastal Marine Ecological Protection and Restoration Project in Shanghai successfully passed the final inspection. Funded by China’s Ministry of Natural Resources, this project is the first marine ecological restoration initiative in Shanghai and a key priority of the city’s 14th Five-Year Plan for ocean development. Located in the Lingang New Area of Pudong District, the project spans 17.05 kilometers of coastline—from the eastern guide levee of the Luchaogang sluice to the southern levee of the Nanhui East Shoal restoration zone—with a total investment of 530 million yuan. Fudan University, serving as the core scientific and technical support unit, has played a pivotal role in the successful implementation of this pioneering national marine ecological restoration project in Shanghai by virtue of cutting-edge technological innovation and in-depth cross-field cooperation.

In view of the invasion of Spartina alterniflora, the School of Life Sciences of Fudan University carried out a pioneering adaptability exploration experiment of "mangrove plant planting against Spartina alterniflora", promoted the mangrove plant from the laboratory to the embankment and the beach, further improved the coastal ecosystem of Lingang, and significantly increased the biodiversity index. At present, more than 90,000 mangrove plants have been successfully planted, with a survival rate of more than 95%, successfully resisting typhoons, and providing a "Fudan plan" for the protection of the coastal zone of the Yangtze River Delta.



14-3.2 Jointly Addressing the “Triple Planetary Crisis” and Exploring a Sustainable Future of Marine Industries

On August 7, 2024, the United Nations Global Compact Ocean Stewardship Coalition (OSC) and the GDI for SDG Initiative co-hosted a closed-door meeting in Shanghai titled “Achieving a Sustainable Future for Marine Industries: Solutions for Energy, Trade, and Food Security in Response to the Triple Planetary Crisis". The event was co-organized by the Ocean Stewardship Coalition and GDI for SDG, with support from the School of Management at Fudan University and Yicai Media Group.

China, with its abundant marine resources, advanced

technological capabilities, and dynamic industrial potential, has been rapidly expanding its offshore wind farms, making them a vital part of the national energy structure. Understanding China's progress in maritime decarbonization and offshore renewable energy development is crucial in tackling the Triple Planetary Crisis.

The event brought together alumni from several Fudan University programs, including the Fudan-BI (Norway) International MBA Program, the Fudan MBA Program, the Fudan EMBA Program, and the Fudan–National Taiwan University EMBA Program. These distinguished participants engaged in a roundtable discussion, sharing their unique insights on fostering a sustainable future for marine industries.

14-3.3 Fudan University Participating in 2024 “Xuelong No. 2” Sea Trial and Integrated Ocean Education Program

From June 10 to 14, 2024, five faculty and students from Fudan University's Department of Atmospheric and Oceanic Sciences joined the Xuelong No. 2, China's first domestically built polar icebreaker and scientific research vessel, for a five-day sea trial in the East China Sea, departing from Shanghai. This voyage marked the second marine teaching activity following the signing of a joint education-research cooperation agreement between Fudan University and the China Polar Research Center. Led by Professor Ding Shuoyi from the Department of Atmospheric and Oceanic Sciences, the Fudan team conducted integrated scientific and educational activities at six survey stations and one 24-hour continuous observation station in the East China Sea. The fieldwork began with CTD (Conductivity, Temperature, Depth) operations, where students gained hands-on experience in instrument setup, deployment, and water sampling. They further engaged in physical oceanography experiments, meticulously studying the principles and calibration procedures of Acoustic Doppler Current Profilers (ADCP). This voyage represented a significant advancement in Fudan's marine field training curriculum and marked the university's first participation in the “Xuelong No. 2” sea trial. The mission not only strengthened the collaborative ties between Fudan University and the China Polar Research Center but also contributed to advancing China's polar and oceanic exploration capabilities.

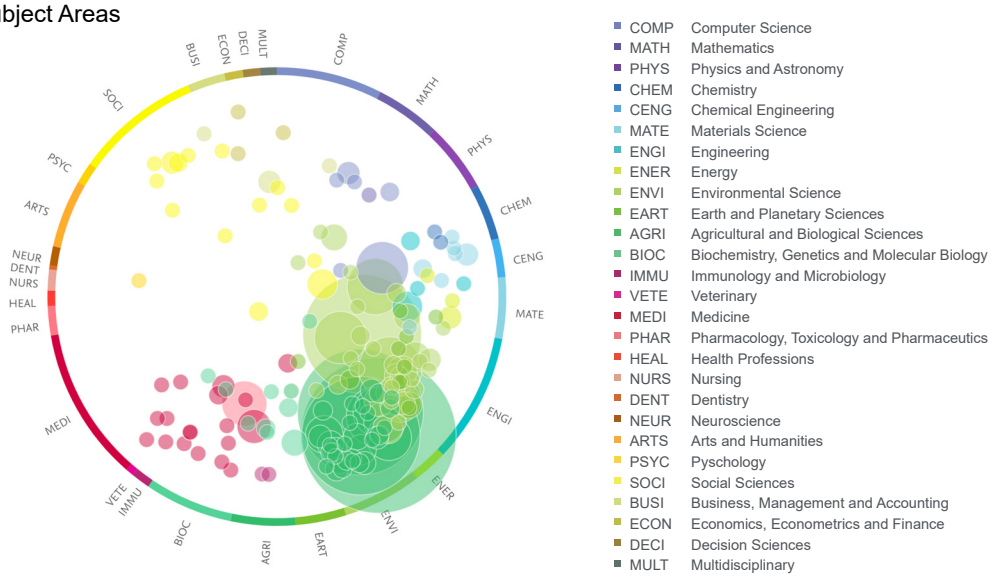
SDG15

Terrestrial Creatures

Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

SDG15.1 Research focus

| Fudan SDG15 Subject Areas



| Fudan SDG15 Keyphrases

SDG15.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	27
Number of Graduate Courses (units)	116

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	5

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Chinese and Foreign Publications (units)	2
Number of Patents (units)	27

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	2
Participants in Public Training Programs (persons)	95
Number of Student Social Practice Teams (units)	3
Student Participation in Social Practices (person-times)	80

Relevant Student Activities

Number of Student Clubs (units)	2

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	603
Number of English Social Media Posts (articles)	235

SDG15.3 Practical Case

15-3.1 Missing the Chance to be a student majoring in wildlife conservation? At Fudan,you can still...

When it comes to terrestrial ecological conservation, Fudan University breaks traditional disciplinary boundaries by offering innovative experiential courses such as “Exploring Giant Panda Habitats". This summer, 21 students and faculty members from diverse academic backgrounds—including philosophy, medicine, computer science, materials physics, broadcasting, and management—ventured into Wanglang National Nature Reserve in Pingwu County, Sichuan Province. This reserve, located in one of the world’s most biodiverse regions and home to the largest wild giant panda population in China, served as the site for hands-on learning about biodiversity conservation and ecological management. Over just one week, participants worked alongside rangers to install infrared-triggered cameras and capture dynamic images of wildlife in motion. They crouched to examine footprints and identify species, lifted stones in mountain streams to witness the elusive Tibetan stream salamander, a Class II protected species in China. Days were filled with expert lectures and jungle treks, while nights brought patrol rides through the mountains, where unexpected encounters with wildlife became unforgettable lessons. This course, offered for the first time during the summer, left indelible memories for all. The course paired these immersive field experiences with theoretical instruction on conservation biology, ecological civilization, and wildlife research methods. The wilderness became an open classroom where students learned to adapt to unpredictable variables—sudden rainfall, subtle changes in temperature—and embrace the unknown like opening a blind box. Their final project, a documentary titled “Third Brother", focused on Liang Chunping, a ranger who has dedicated 27 years to protecting the reserve, showcasing the quiet heroism of grassroots conservationists. Rooted in a “Practice-Reflection-Application” pedagogy, this course integrates service learning into its framework, cultivating interdisciplinary conservation talent.

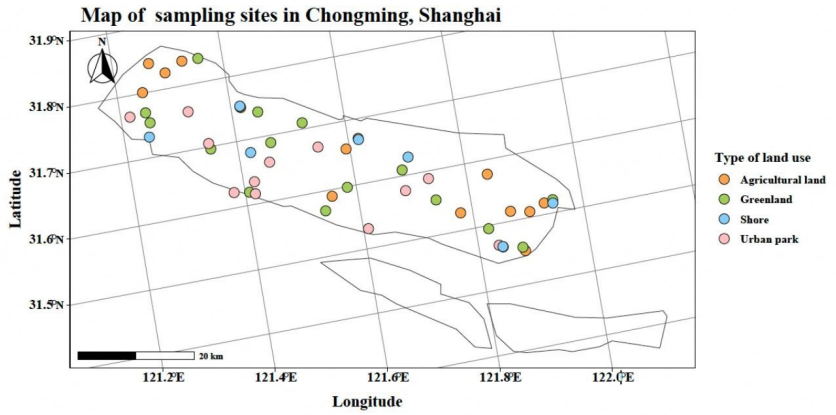
15-3.2 Investigation of Soil Animal Biodiversity on Chongming Island: Filling the Gap!

In May 2024, a research team from Fudan University's Department of Ecology, in collaboration with the Shanghai Environmental Science Research Institute, launched the first-ever systematic survey of soil animal biodiversity on a whole-island scale in Chongming Island. The results were remarkable. This survey was the first to be initiated under the Shanghai city-wide biodiversity survey project and is an important component of the "Protecting Wetland Ecosystem" project within the fifth three-year action plan for Chongming, the world-class ecological island. The investigation of soil animal biodiversity not only integrated novel eDNA technology with traditional methods but also revealed the impact of human activities on soil animals and the regional characteristics of soil animal biodiversity. It clarified the influence of environmental factors on the distribution patterns of soil animals, providing baseline data for the health assessment and long-term monitoring of soil ecosystems.

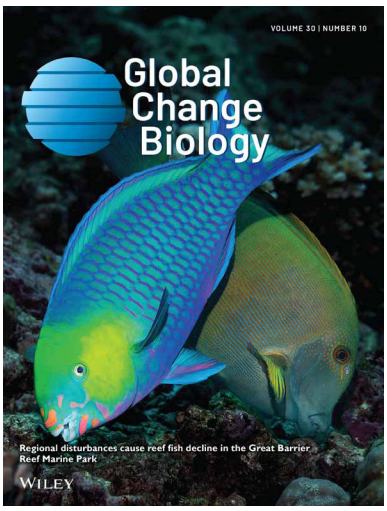
It also offered references for optimizing land use policies and further enhanced public awareness of the importance of biodiversity and ecosystem services.

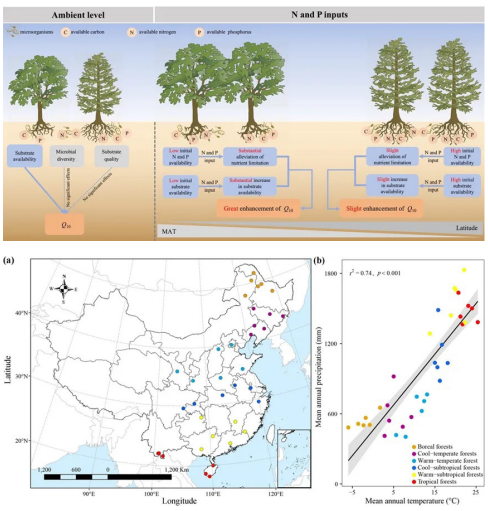
After several months of meticulous research, the project team covered 25 10×10 km grids across the entire island through grid-based monitoring and collected soil samples from 50 sampling areas. The research results documented 4,302 species of soil animals, including key groups such as nematodes, collembolans, and mites. This not only comprehensively revealed the "underground kingdom" of the Yangtze River estuary wetland ecosystem for the first time but also reflected the richness of biodiversity in the region.

The research team innovatively combined eDNA technology with morphological identification to accurately analyze the community structure of soil animals. They found that species richness in agricultural habitats was significantly higher than in forested areas. The density of dominant species such as Pheretima was closely related to soil fertility, and the distribution of top predators like centipedes reflected ecological integrity. The data filled the gap in the baseline knowledge of soil animal biodiversity on large Chinese islands and provided a Chinese case study for global island ecosystem conservation. This survey not only constructed a "soil–biota–function" correlation model and proposed ecological management strategies based on dynamic monitoring but also strengthened the theoretical support for terrestrial ecosystem conservation through scientific evidence.



15-3.3 Research Team Led by Li Jinquan and Nie Ming Revealing Thermal Adaptation Phenomenon in Soil Microbial Decomposition of Recalcitrant Carbon





On October 23, a research team led by Professor Li Jinquan and Professor Nie Ming from the School of Life Sciences at Fudan University published their groundbreaking findings in the top-tier ecology journal *Global Change Biology*. Their study uncovers the mechanism by which nutrient addition affects the temperature sensitivity of forest soil carbon decomposition, complementing their earlier research published in *Advanced Science* and further elucidating the temperature sensitivity of soil organic carbon decomposition and the impact of microbial thermal adaptation on climate change.

Combining long-term field experiments with laboratory incubations, the study is the first to systematically demonstrate that nitrogen and phosphorus additions significantly increase the temperature sensitivity (Q10) of carbon decomposition in forest soils. The enhanced sensitivity is primarily driven by three factors: nutrient additions altering the structure of soil microbial communities, stimulating microbial metabolic activity, and being particularly pronounced at lower altitudes. These findings offer valuable scientific evidence for predicting how forest soil carbon cycles will respond under global warming scenarios and significantly contribute to refining the carbon-related parameters in Earth system models.

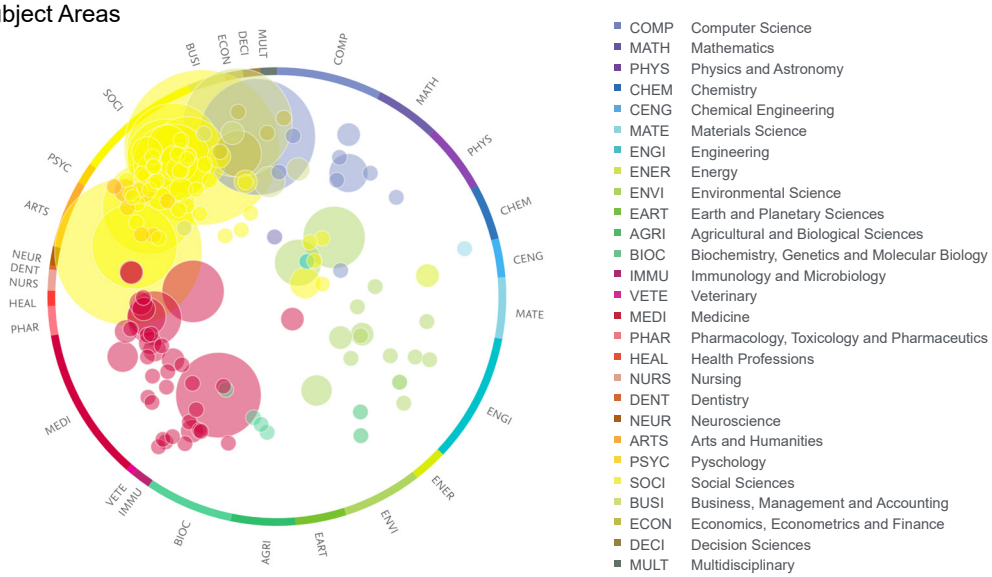
SDG16

Peace, Justice and Strong Institutions

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.

SDG16.1 Research focus

| Fudan SDG16 Subject Areas



| Fudan SDG16 Keyphrases

SDG16.2 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	113
Number of Graduate Courses (units)	652
Number of Graduate Degree Programs (units)	20

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	27

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	2
Number of Chinese and Foreign Publications (units)	21

Relevant Research Institutes

Number of university-level think tanks(units)	15

Relevant Public-Facing Social Training and Student Social Practice

Number of Public Training Programs (units)	1
Participants in Public Training Programs (persons)	21
Number of Online Courses (MOOCs) (units)	16
Total Enrollment in Online Courses (MOOCs) ((person-times)	115797
Number of Student Social Practice Teams (units)	61
Student Participation in Social Practices (person-times)	833

Relevant Student Activities

Number of Student Clubs (units)	7

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	2448
Number of English Social Media Posts (articles)	723
Number of International Conferences (events)	17
Participation in International Conferences (person-times)	367

SDG16.3 Practical Case

16-3.1 The Second China-Arab Global Development and Governance Forum Advances South-South Cooperation for Global Governance Innovation

On November 9, the Second China-Arab Global Development and Governance Forum opened at Fudan University under the theme "Global Leadership and South-South Cooperation". The forum aimed to deepen collaboration between China and Arab states in addressing such global challenges as climate change and artificial intelligence. Co-organized by Fudan University with support from the Arab League (AL), the Association of Arab Universities, and the China Association of Higher Education, the event attracted policymakers, academics, business leaders, and university representatives from both regions.

In his opening speech, President Jin Li emphasized that universities, as hubs of knowledge and talent development, must actively drive global governance reform. Landmark agreements were signed during the forum: Fudan University partnered with Mohammed VI Polytechnic University (Morocco) to jointly cultivate public policy experts with international perspectives. Additionally, Fudan launched the International Master of Public Administration (IMPA) Program, designed to train top-tier public management professionals for Belt and Road countries. The program has already garnered collaboration agreements with universities in Thailand and Laos. The Arab League also announced its first training initiative for Chinese students—the Fudan-AL Excellence Internship Program, set to launch in 2025 to foster youth exchanges for better understanding and bonding.

The forum marked a new phase in China-Arab collaboration in education, research, and talent development, injecting fresh momentum into global governance and advancing the vision of a shared future for humanity.

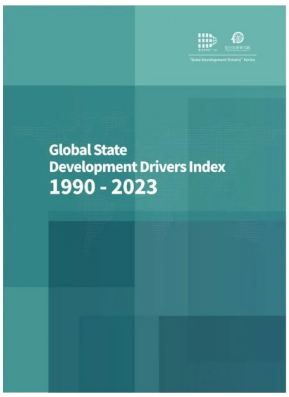
16-3.2 The Eighth Belt and Road and Global Governance International Forum Charts Pathways for High-Quality Development

From November 13 to 17, the Eighth Belt and Road and Global Governance International Forum, themed "New Quality Productive Forces Empowering a Golden Decade for the Belt and Road Initiative (BRI)", was held in Shanghai. Co-hosted by Fudan University and the Belt and Road Think Tank Cooperation Alliance (under the International Department of the CPC Central Committee), the forum adopted a hybrid (online-offline) format, bringing together senior government officials, business leaders, and academic elites from over 30 co-building countries to review BRI's achievements over the past decade and chart pathways for future high-quality development.

Since its inception in 2017, this forum has engaged over 2,000 international participants, providing intellectual support for infrastructure connectivity, cultural exchange, and people-to-people ties among partner nations while contributing Chinese solutions to improving the global governance system. Qiu Xin, Secretary of the CPC Fudan University Committee, highlighted Fudan's efforts to establish a high-end think tank network and innovate government-industry-academia-research collaboration mechanisms to bolster the initiative. He pledged to further deepen pragmatic cooperation with co-building countries in areas such as joint discipline development and collaborative talent cultivation,

aiming to establish a new frontier in educational openness.
Key recommendations emerged: Qiu Yuanping, former Director of the Overseas Chinese Affairs Office of the State Council, urged integrating digital economy and green development with traditional industries. Li Xiangyang, Member of the Chinese Academy of Social Sciences, called for institutionalized safeguards for economic corridor projects. Muhammad Iqbal Choudhary (Pakistan) shared lessons from the China-Pakistan Economic Corridor and strategies for emerging challenges. Business leaders discussed digital infrastructure, financial plans and industrial chain upgrades.

16-3.3 Fudan Releases Global State Development Drivers Index to Support Global South Consensus



On November 14, Fudan University's Development Institute unveiled the Global State Development Drivers Index Report (1990-2023) at the Second Global South Think Tank Dialogue, attended by over 400 representatives from 100 plus emerging economies. This three-year research project offers a groundbreaking analytical framework for understanding global development dynamics.
The research report, through rigorous data analysis and in-depth comparative studies, reveals evolving trends in global national development drivers. Over the past three decades, the National Development Drivers Index (NDDI) of 44 surveyed countries has shown overall growth. However, significant disparities in the pace and magnitude of growth have led to escalating divergence among nations. Developed countries demonstrated steady gains in NDDI, particularly excelling in "vitality" (e.g., innovation capacity) and "sustainability" (e.g., institutional resilience). Meanwhile, most East Asian nations achieved marked improvements in growth rates. By contrast, while some developing countries exhibited relative advantages in productivity enhancement, their progress in comprehensive national strength has been constrained by multifaceted challenges. This "North-South divide" is most pronounced in the innovation capacity index across the studied countries.
Scholars widely acknowledged that the report empirically validates the rising Global South as a defining trend of our era, while pointing out systemic challenges confronting developing nations. Professor Samir Radwan of Cairo University, Egypt, noted that the report's analysis of "mobility of innovation factors" provides critical insights for reforming South-South cooperation frameworks. Dr. Carlos Aguiar, researcher at the Brazilian Institute of Applied Economic Research, emphasized that the transformation patterns of development drivers revealed by the index demonstrate striking alignment with Latin America's ongoing "reindustrialization" strategies.

SDG17

Partnerships for the Goals

Strengthen the means of implementation and revitalize the global partnership for sustainable development.

SDG17.1 Statistics

Relevant Teaching Courses and Training Programs

Number of Undergraduate Courses (units)	61
Number of Graduate Courses (units)	541
Number of Graduate Degree Programs (units)	20

Relevant Campus Activities for Current Students

Number of Campus Activities (lectures, exchanges, etc.) (times)	255

Relevant Research Outputs and Transformation of Scientific Research Results

Number of Research Projects (units)	12
Number of Chinese and Foreign Publications (units)	53

Relevant Research Institutes

Number of University-level Research Institutes (units)	2
Number of university-level think tanks(units)	3

Relevant Public-Facing Social Training and Student Social Practice

Number of Online Courses (MOOCs) (units)	2
Total Enrollment in Online Courses (MOOCs) ((person-times)	13286
Number of Student Social Practice Teams (units)	6
Student Participation in Social Practices (person-times)	59

Relevant Student Activities

Number of Student Clubs (units)	2

Relevant News and Publicity

Number of Chinese Social Media Posts (articles)	2976
Number of English Social Media Posts (articles)	1020
Number of International Conferences (events)	12
Participation in International Conferences (person-times)	285

*Note|As the SDG17 indicator is difficult to quantify, there are currently no relevant papers for analysis.

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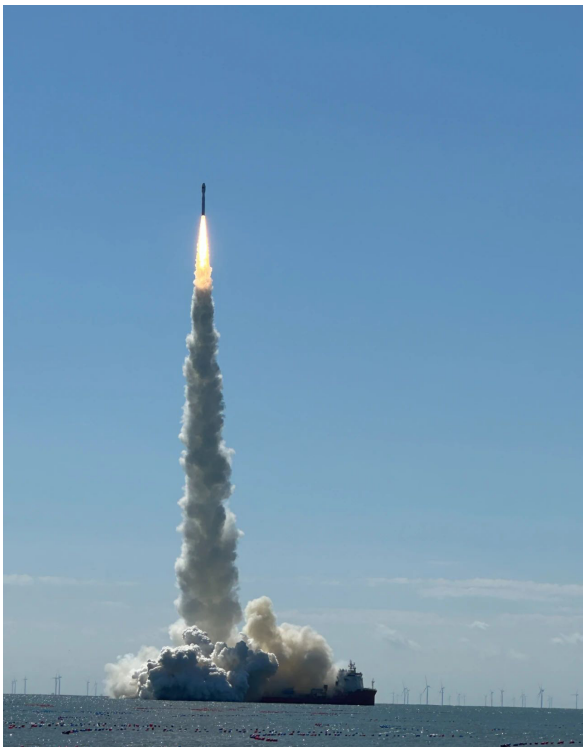
SDG17.2 Practical Case

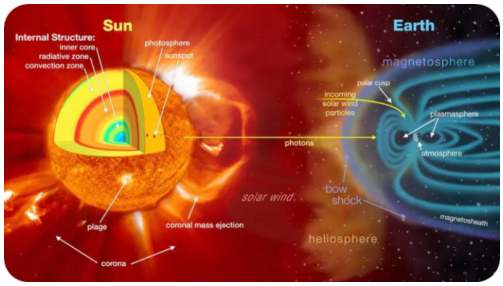
17-2.1 Science, Diplomacy, and Friendship: Launch of "Fudan-1" Satellite



On September 24, the Lancang-Mekong Transnational Space Cooperation Platform marked its official launch with the successful deployment of the "Fudan-1" Satellite ("Lancang-Mekong Future Star"). Jointly developed by Fudan University and Shanghai Aerospace Space Technology Co., Ltd., the satellite carries scientific payloads co-designed by six regional countries, signifying a breakthrough in space technology collaboration under the Lancang-Mekong Cooperation (LMC) framework.

As a flagship science initiative under the Lancang-Mekong Cooperation Five-Year Action Plan (2023-2027), the project was personally endorsed by Chinese Foreign Minister Wang Yi at the LMC Foreign Ministers' Meeting. Fudan University pioneered a "three-dimensional synergy" model: integrating resources across "government-university-enterprise" chains, aligning research needs of all six LMC nations, and establishing an end-to-end collaboration network spanning satellite development, data collection, and application services. Through this project, Fudan partnered with Prince of Songkla University (Thailand) and Hanoi University of Science and Technology (Vietnam) to build Southeast Asia's first regional satellite data reception network. It also co-founded the Space Governance Policy Lab with the ASEAN Foundation, creating a cross-border "hard-tech plus soft-governance" cooperation paradigm.

Notably, award-winning projects from the Lancang-Mekong Youth Innovation Competition were incorporated into the satellite's experimental payloads. Through a "space-earth-human" collaborative innovation mechanism, the initiative cultivates a new generation of regional science governance leaders. This integration of advanced space technology with sustainable development goals offers a replicable "Fudan Model" for South-South cooperation innovation.



SDG17.2 Practical Case

17-2.2 Fudan University IRDR International Center of Excellence Co-hosts IRDR 2024 Conference Session

From October 22 to 24, the International Conference on Integrated Research on Disaster Risk (IRDR 2024) in Beijing featured a thematic session on "Climate Change, Air Quality, and Public Health" co-organized by Fudan University's IRDR International Center of Excellence, exemplifying the global partnership ethos of SDG 17.

Led by Academician Zhang Renhe and Professor Tang Xu, the Fudan team introduced the "3A Regional Monsoon Research Program" at the plenary forum. The program focuses on the amplifying effects of the Asian monsoon system on global extreme weather, transcending traditional disciplines to deliver "monitoring-early warning-governance" integrated solutions. It emphasizes merging risk science with climate adaptation strategies. The center has initiated a Belt and Road Disaster Early Warning Network, establishing observation stations in Dhaka (Bangladesh) and Nairobi (Kenya) to create a real-time data-sharing platform covering 20 countries.

As a core participant in IRDR's newly established Workstream on Open Science, Fudan's "Open Lab" mechanism has attracted over 40 global research institutions. This innovation, which promotes policy coordination through data sharing, offers fresh approaches to overcoming fragmented global disaster governance.

17-2.3 Fudan University Center for Japanese Studies Releases 2024 China-Japan Strategic Report

The Center for Japanese Studies at Fudan University released the milestone report *China-Japan Relations 2024: A "Thaw" Amid Uncertainty*, proposing an AI-focused "technology-investment-governance" tripartite cooperation framework that is reshaping Northeast Asia's tech collaboration landscape.

In technology transfer, the "AI Algorithm Open-Source Platform" co-developed by Fudan and The University of Tokyo achieved 98% accuracy in autonomous driving scenario recognition, with applications deployed in Suzhou Industrial Park's Level 4 autonomous bus pilot. In healthcare, the multi-modal imaging analysis system created by Fudan Zhongshan Hospital and Japan's National Cancer Center elevated early lung cancer screening to a "90% accuracy era", with commercial licenses granted to beyond 50 medical institutions across both countries.

A deeper impact lies in talent ecosystem development: The "1+1+1" joint training model (1 year academic study + 1 year corporate training + 1 year bilateral rotation), pioneered at the China-Japan Digital Economy Forum, has supplied over 500 interdisciplinary professionals to institutions like Panasonic China Research Institute and Alibaba DAMO Academy. This "academia-industry" driven mechanism is becoming a key solution to the AI talent shortage.

17-2.4 2024 Fudan·Siyuan Global Leadership Forum: Redefining Globalization and Management Innovation

On December 6, the 2024 Fudan·Siyuan Global Leadership Forum, themed "Global Trends, Future Management", convened 400 plus leaders from politics, business, and academia. This intellectual summit not only mapped governance frameworks for Globalization 4.0, but also showcased Fudan School of Management's role as a "thought leadership hub".

In a keynote dialogue between Ronnie Chan, Honorary Chairman of Hang Lung Group, and Geoffrey Garrett, Dean of USC Marshall School of Business, "resilient leadership" emerged as a central theme. Chan analyzed geopolitical shifts through a historical lens, asserting that "China's development is not a source of global uncertainty but an anchor of stability". Dean Garrett's big-data models revealed that global value chains are evolving from "core-periphery" to "multi-polar networks", with emerging hubs in Southeast Asia and Latin America projected to triple value creation within a decade.

Roundtable discussions on global economic outlooks, corporate globalization strategies, and tech innovation ecosystems yielded transformative insights: Participants emphasized the need for "glocalization 2.0" strategies in ESG investment, digital sovereignty, and tech ethics. Fudan's "Management Science Lab" under construction at its Zhengli campus provides methodological support for such transitions. The forum not only redefined the frontiers of management education but also showcased the intellectual leadership of Fudan in global governance.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