

Education

Since its establishment, the Macao SAR Government has actively optimised non-tertiary and tertiary education in Macao, with a view to implementing the administration directions of “developing Macao through education” and “cultivating talents for the development of Macao” in various aspects, including institutions, resource allocation and planning. In addition, in adhering to the principle of diversity in tertiary education, the Government supports the autonomy of tertiary institutions, and coordinates the development of different tertiary institutions, to train talented persons who are internationally competitive.

Education and Youth Development Bureau

As stipulated in By-law No. 40/2020 on the Organisation and Operation of the Education and Youth Development Bureau, the Education and Youth Development Bureau (hereinafter referred to as “the DSEJ”) is charged with developing, coordinating, executing and evaluating education and youth policies in Macao.

The DSEJ continued taking part in various anti-pandemic tasks as the Covid-19 prevention and control work entered its third year. From 21 February, 2022, all teaching staff and school workers of tertiary and non-tertiary institutions as well as students of tertiary institutions had to present proof of completing full doses of the primary series of Covid-19 vaccines at least 14 days previously, or proof of a negative result of a nucleic acid test taken within the past seven days, upon entering campuses.

In late December, following the scrapping of the “Guidelines on Staff Receiving Covid-19 Vaccines and Covid-19 Nucleic Acid Testing”, a public notice was issued to tertiary and non-tertiary institutions, announcing that all teaching staff, school workers, students and outsourced service providers and their workers were no longer required to present their proof of Covid-19 vaccinations or proof of negative nucleic acid test results when entering school campuses.

Starting from 26 February 2022, the DSEJ and Health Bureau assisted non-tertiary institutions with the arrangements for vaccine outreach services to campuses as well as setting up dedicated community vaccination sites. Also, a “Student Vaccination Day” was held at Macao Forum community vaccination station, further promoting vaccination among students. As at end of December 2022, the vaccination rate of students aged 3 to 11 had risen from 6 percent previously to 88.2 percent; and that of students aged 12 or above had risen from 56.7 percent previously to 92.6 percent; and that of teaching staff and school workers of non-tertiary institutions had risen to 94.4 percent.

In accordance with the anti-pandemic efforts in response to a Covid outbreak beginning on 18 June, the DSEJ announced the suspension of all teaching activities at tertiary and non-tertiary institutions with immediate effect, as well as the early closing of the 2021/2022 academic year by 22 June. Schools were advised to assess the full-year academic performances of students based on their existing test results and past assessments, and should afford leniency in marking.

From 19 June to 2 August, to complement the MSAR Government’s community-wide nucleic acid tests, the DSEJ organised and mobilised teaching staff and school workers of tertiary and

non-tertiary institutions, youth organisations and employee-volunteers to fully assist nucleic acid test stations with their operations, in coordination with other MSAR Government departments. It supported the operations of 22 nucleic acid test stations, and the management of seven mobile nucleic acid test sampling vehicles.

During the class suspension period, the DSEJ worked with nine subsidised counselling organisations to provide students with ongoing psychological support and counselling hotline services, and shared anti-pandemic information through online platforms and mobile applications. From 23 June, the DSEJ, jointly with various social groups, published illustrated texts and videos with pandemic-related information as well as psychological, sports and art content, on its Facebook, Instagram and anti-pandemic-focused Wechat pages, encouraging students and parents to keep a positive mindset.

For the 2022/2023 academic year, to reinforce Covid-19 prevention and control efforts, the DSEJ announced a series of measures before the start of the school year, which included free nucleic acid tests for registered cross-border students at six designated hospitals or organisations in Zhuhai city; nucleic acid tests were needed for border crossing. Moreover, it distributed “Important Reminders (Covid-19 specific) for Schools in 2022/2023” and “Guidelines for Prevention of Covid-19 Infections in Non-Tertiary Schools”.

As for tertiary education, the DSEJ issued 2022/2023 school-opening guidelines to tertiary institutions, and discussed anti-pandemic plans with schools, coordinating with them to set up venue QR codes and strictly enforce covid testing measures upon entry to campus, as well as providing recommendations regarding various anti-pandemic measures and arrangement of teaching activities during the pandemic. Moreover, it coordinated with foreign teachers and students who had been unable to enter Macao due to pandemic prevention and control measures, so they could apply to the Health Bureau for waiver of entry limitations in order to teach at or attend school.

The DSEJ assisted the Novel Coronavirus Response and Coordination Centre in distributing rapid antigen tests and anti-pandemic kits to nearly 100,000 non-tertiary school teachers and students during December. On the advice of the Health Bureau, the DSEJ arranged for non-tertiary schools to extend the Christmas holiday to 9 January 2023. While classes were suspended, schools could provide care-taking services for kindergarteners, primary one to primary three students and special education students, if needed, as part of student-friendly measures.

In 2022, the composition of the “Working Group for Caring for the Mental and Physical Health of Young People – Carrying Love” was expanded to cover tertiary education, thus joining hands with the whole community to work as a “health gatekeeper” for young people. From September, the DSEJ motivated non-tertiary institutions to set up “Campus Working Groups for Mental and Physical Health”, setting out guidelines and providing on-campus training. It continued sponsoring school visit services provided by seasoned mental-health counsellors, and assisted schools with formulating mental health plans for students. Moreover, by integrating resident and non-resident student counselling services in schools, the DSEJ fostered counselling and support services for students in need during festive holidays or at critical times.

Education Fund

Pursuant to By-law No. 17/2022 (the Education Fund), the Student Welfare Fund, Education Fund

and Tertiary Education Fund were merged into the Education Fund on 1 June, 2022. The Education Fund aims to – in accordance with the MSAR’s education system and education development policy, and within its budget – provide subsidies and awards to various projects and activities that help safeguard and raise education quality as well as the comprehensive abilities and competitiveness of students, and offer bursaries and benefits to students.

In 2022, the Education Fund (including the related three funds existing prior to the merger) disbursed subsidies totalling 680 million patacas; these comprised a variety of subsidies, allowances, grants-in-aid and scholarships for tertiary and non-tertiary education.

On the tertiary education front, these included the “Annual Funding Plan for Higher Education Institutions”, the “Specialised Subsidy Scheme for Chinese and Portuguese Bilingual Talent Training, and Cooperation in Education and Research for Macao Higher Education Institutions”, the “Specialised Subsidy Scheme for the Tourism Education and Training for the Guangdong-Hong Kong-Macao Greater Bay Area”, the “Scheme to Subsidise Computer Softwares for the Alliance of Macau Academic Libraries”, the “Programme to Encourage the Return of Teachers, Researchers and Administrative Staff for Short-term Work in Macao”, the “Special Funding Programme for Humanities and Social Studies at Tertiary Institutions in Macao”, the “Tertiary Education Scholarship Programme”, the “Scheme for Subsidising the Acquisition Of School Supplies For Tertiary Education Students”, the “Scholarship Programme for Studying at Premier Tertiary Education Institutions”, the “Loan Scheme for Interest Subsidy”, and the “Scholarship Programme and Special Grants-in-Aid for Mainland China Post-Graduate Students”. Moreover, to implement the principle of “designated management” upheld by the MSAR Government regarding subsidy programmes, two subsidy programmes that were originally managed by the Culture Fund (the Academic Research Grants Programme, and the Programme to Subsidise Cultural and Art Studies) were transferred to the Education Fund.

The “Tertiary Education Scholarship Programme” supports students who have financial difficulties, and encourages those who excel in academic performance to continue pursuing pre-university or other tertiary education. In the 2022/2023 academic year, the programme supported 5,278 students. Through the “Scholarship Programme for Studying at Premier Tertiary Education Institutions”, the Education Fund is also committed to encouraging and supporting students entering premier education institutions, or students currently taking tertiary education courses, with a view to nurturing professionals. In the 2022/2023 academic year, the programme supported 57 students.

Moreover, the “Loan Scheme for Interest Subsidy”, which was established in collaboration with banks, benefited around 234 students in the 2022/2023 academic year. Each beneficiary may receive a subsidy equivalent to 70 percent of interest payments during school studies; the remaining 30 percent will be disbursed after completion of tertiary education.

As regards non-tertiary education, the Education Fund provides subsidies to non-tertiary institutions, institutions of continuing education and students, covering a school development programme, subsidies for equipment/facilities in non-profit private education institutions (for continuing education), the “new campus” school adaptation learning programme, tuition fee assistance, meals, study tool allowances, and subsidies for learning aids. The Education Fund’s school development programme leverages resources and policy directions to support schools’ development needs, leading to 15 such subsidies in the 2022/2023 school year.

As regards students' benefits, the Education Fund provided supplementary aid to students of non-tertiary institutions. For example, non-tertiary education students in Macao received support for student insurance schemes.

The Cooperation Agreement on Disbursement of Postgraduate Scholarships, which was entered into by the Government and the Ministry of Education and State Ethnic Affairs Commission, was implemented during the year. The Government nominates students who come to Macao for postgraduate programmes as recipients of scholarships (tuition fees, accommodation fees and living allowances). In the 2022/2023 academic year, 24 students were granted scholarships.

Education Council

By-law No. 41/2022 – Education Council came into effect on 1 October, 2022, thereby merging the Tertiary Education Council and the Non-Tertiary Education Council into the Education Council. The aim was to enhance communication and coordination among administrative authorities, tertiary institutions and non-tertiary schools, thereby promoting education development through pooled efforts.

The Education Council held two meetings in 2022, exchanging opinions about the major work priorities for 2022 and 2023 covering education and development of young people, the promotion of Macao's tertiary education, as well as applications for legal person status in the education sector. Also, prior to the merger in 2022, the Non-Tertiary Education Council and Tertiary Education Council held three and one plenary meetings, respectively.

Non-tertiary Education

Macao is the first region in Greater China to provide 15 years of free education.

Since the promulgation of the Fundamental Law on Non-tertiary Education in 2006, non-tertiary education in Macao has been classified into two types: formal education and continuing education. The former includes kindergartens, primary schooling, secondary schooling, and special education; the latter includes family education, recurrent education, community education, vocational training and other education activities. Vocational and technical educations, which may be implemented as part of formal education or recurrent education, are only offered at senior secondary school level. The Macao school system comprises a free education network of public schools and subsidised private schools, together with private schools.

Private schools in Macao can be classified into two types: those following the local education system and those following a non-local education system. Non-profit private schools that follow the local education system may apply for entry into the free education network. The Government encourages schools to develop their own characteristics and style in terms of mission, curriculum development and teaching mode, to nurture more talent for society.

According to the DSEJ statistics, there were 75 schools in Macao during the 2022/2023 academic year, of which eight were public schools, while the remaining 67 were private. Among the 67 private schools, 64 offered formal education, and three offered only recurrent education.

Among the 72 schools (eight public schools and 64 private schools) that offered formal education, 67 were in the free education system, four were in the paid education network and one followed a non-local education system. Among the 108 schools that offered formal education, 103 were in the free education system, with the coverage rate reaching 96.3 percent.

During the 2022/2023 academic year, 87,184 students received non-tertiary education, with 86,184 (98.8 percent) of them receiving formal education. Of these, 17,108 (19.6 percent) attended kindergartens, 37,854 (43.4 percent) attended primary schools, 30,274 (34.7 percent) attended secondary schools, 816 (0.9 percent) received vocational and technical education, and 948 (1.1 percent) attended special schools (excluding integrated education). A total of 1,000 (1.2 percent) students were receiving recurrent education, including 38 primary school pupils (0.1 percent) and 962 secondary school students (1.1 percent), and 215 (0.2 percent) vocational school students.

During the 2022/2023 academic year, there were 7,762 teaching staff for non-tertiary education, representing an increase of 1.9 percent over the 2021/2022 academic year.

The DSEJ has formulated important policy documents on education development including the Ten-Year Development Plan for Non-tertiary Education (2011-2020) and the Medium-to-Long Term Plan for Non-tertiary Education (2021-2030), with the aim of prioritising the development of education, developing a high quality and fair education system, and promoting reforms of curricula, teaching and assessment, and establishing new visions and new directions – such as fostering a sense of national identity, and an international perspective, developing students' soft skills, enhancing a sense of happiness, and strengthening education in creativity and technology.

Teaching Staff Professional Committee

The Teaching Staff Professional Committee comprises school leaders, representatives of education organisations, representatives of the DSEJ, people with well-recognised education achievements, and experts in the education sector and teachers.

The Teaching Staff Professional Committee determined the professional standards of teaching staff and the assessment criteria for professional development activity hours. It also provided advice on the starting ranks of teaching staff who are registering for the first time but have worked in as teachers in other countries or regions, along with assessing the duration of this work in; and applications for advance promotion of teaching staff. Moreover, it set the criteria for conferring the “Distinguished Teacher” award, along with establishing a dedicated task force and inviting education experts to form a panel to judge the award. It was concluded that 15 “Distinguished Teachers” should be selected via a plenary meeting.

Compulsory Education

Compulsory education is defined as universal education that is compulsory for all minors aged from five to 15. It begins in the first academic year when a child turns five years old, and finishes with the end of the academic year in which he or she reaches 15 years of age, or when he or she completes junior secondary education with a pass. The Government and education institutions are obliged to ensure that school-age children complete such education.

Free Education

Since the 2007/2008 academic year, free education has been extended to cover the entire 15-year period of compulsory education: three years of kindergarten, six years of primary, three years of junior secondary and three years of senior secondary schooling.

To create favourable conditions for small-class teaching, the Government has reduced the number of pupils for each class from 35-45 pupils to 25-35 students. This began in the 2007/2008 academic year, initially covering the first year in preschool education, and was subsequently expanded to cover more senior levels in the following academic years. By the 2017/2018 academic year, the ceiling for pupils per class was applied to all stages of schooling within the formal education curriculum.

In the 2022/2023 academic year, the class-teacher ratios in kindergartens, primary and secondary schools were enhanced to 1 to 2.2, 2.3, and 2.7, respectively. The teacher-student ratios in kindergartens, primary and secondary schools were enhanced to 1 to 12.8, 13.3 and 10.7, respectively.

Subsidy and Financial Aid Schemes

The Government offered free education subsidies to private schools within the free education network. Students studying in schools that did not provide free education were provided tuition fee subsidies.

Education Level	2022/2023 Academic Year Free Education Subsidies (patacas)	2022/2023 Academic Year Tuition Fee Subsidies (patacas)
Kindergarten	1,063,800 per class	20,970 per student
Primary	1,159,100 per class	23,140 per student
Junior Secondary	1,396,800 per class	25,480 per student
Senior Secondary	1,584,300 per class	25,480 per student

In addition, during the 2022/2023 academic year, the Government continued offering textbook allowances to students who are Macao residents receiving formal education in Macao. The textbook allowances for each kindergarten pupil, primary school pupil and secondary school student were 2,400 patacas, 3,000 patacas and 3,550 patacas, respectively.

The DSEJ launched a pilot scheme in the 2012/2013 academic year to provide tuition fee subsidies for Macao students who studied in full-time regular senior secondary schools or full-time secondary vocational schools (senior secondary school level) in Zhuhai and Zhongshan, Guangdong Province. In the 2017/2018 academic year, the eligibility for the subsidies was extended to Macao students pursuing non-tertiary studies in 21 cities throughout Guangdong province. The Stationery Allowance was also introduced in the 2019/2020 academic year.

Tuition Fee Subsidies in the 2021/2022 Academic Year

Education Level	Senior Secondary	Junior Secondary	Primary	Kindergarten
Maximum subsidy for a student per academic Year	6,000	6,000	6,000	8,000

Stationery Allowance in the 2021/2022 Academic Year

Education Level	Senior Secondary	Junior Secondary	Primary	Kindergarten
Maximum allowance for a student per academic year	1,700	1,700	1,450	1,150

In addition to providing tuition fee subsidies, the scheme organised summer courses, career development seminars and study visits in Macao for senior secondary school students. It also organised visits to Macao tertiary educational institutions so that students could plan for their further education. In response to the Covid-19 pandemic, summer courses during the 2020/2021 academic year were conducted online. In 2021/2022, 6,127 students were granted tuition fee subsidies amounting to about 37.72 million patacas.

In the 2021/2022 academic year, the DSEJ integrated programmes for studying in Portugal organised by various public entities, including the Programme for Cultivating Chinese-Portuguese Bilingual Talents in Multiple Disciplines, into the Selection Programme for Macao Students to Study in Portugal, to further support Macao residents with studying in Portugal – for post-secondary courses, postgraduate diploma programmes, as well as bachelor's, master's and doctoral degree programmes. In the 2022/2023 academic year, 34 students were selected to pursue degree programmes in Portugal.

Vocational and Technical Education

The Education Fund continues to subsidise courses organised by private schools that cover vocational and technical skills with the schools' own characteristics and in accordance with the adequate diversification of Macao's economy. In the 2022/2023 academic year, a total of nine schools organised 67 classes in 40 programmes. The "Comprehensive Applied Learning Education" pilot programme also supported 29 schools with organising courses on 55 subjects related to applied skills. A total of 282 classes were organised; subsidies totalling over 5.31 million patacas were granted.

By-law No. 22/2021 – "Non-tertiary Vocational and Technical Education System" came into effect on 1 September 2022. The DSEJ supports non-tertiary institutions with opening vocational skill courses that demonstrate unique school character, in accordance with the adequate diversification of

the economy; encourages schools to enter cooperation agreements with enterprises; and strengthens publicity regarding vocational skill training.

Education for Pupils with Special Needs

During the 2022/2023 academic year, there were 3,329 pupils in Macao with special needs; 2,381 of them were inclusive students, and 948 studied in small special education classes and special needs classes.

The compilation of supplements to curriculum guides for seven subjects ° Chinese, English, Mathematics, Physical Education and Health, Information Technology, Fine Art (including visual art and music) and General Studies, Science and Humanities – was completed in 2021. During the 2022/2023 academic year, schools with special needs classes and small special education classes providing relevant subjects fully adopted the corresponding supplement(s) to the curriculum guides.

In 2022, the DSEJ organised six talks for parents and five parent-child training sessions, attracting 134 participants. Also, 34 speech therapy / group training were conducted, attracting 201 pairs of parent-child participants.

Life-long Learning

To support Macao's adequate economic diversification and development of a knowledge-based society, the Government launched three phases of the Continuing Education Development Plan from 2011 to 2019. Over 480,000 Macao residents participated in them, with participation rates ranging from 36 percent to 41 percent of all eligible residents. They involved subsidies totalling about 2.11 billion patacas.

The fourth phase of the Continuing Education Development Plan (2020-2023) was launched on 1 September 2020. By 31 December 2022, this phase entailed subsidies totalling around 360 million patacas to more than 90,000 residents.

During the 2022/2023 academic year, two public schools and five private schools offered recurrent education, to provide education opportunities to residents who have not completed formal education within school age. The DSEJ provides recurrent education subsidies to private schools offering recurrent education. The subsidies amounted to a maximum of 899,600 patacas, 1,073,800 patacas and 1,210,600 patacas per class for primary, junior secondary and senior secondary schools, respectively.

In 2022, with a network of 388 organisations joining the Life-long Learning Incentive Award Scheme, the cumulative total of participants reached 4,446.

Open Campus Campaign

Through the provision of subsidies by the Education Fund, schools cooperating in the Open Campus Campaign are encouraged to open their facilities for public use during non-working hours, so they can be used by students and citizens. In the 2022/2023 academic year, there were nine schools participating in the campaign.

Curriculum Reform and Development

During the 2022/2023 academic year, History, Geography, Visual Arts and Music had to be provided as independent and compulsory subjects in secondary school curricula; this was implemented across all secondary school levels. The systematic curriculum design strengthens the history, culture, and art education for secondary students, and continues to enhance learning and teaching effectiveness.

In 2022, teaching resources continued to be developed – the full trial version of Chinese for primary students, the trial version of General Studies for primary students, and the trial version of History for secondary students, in Chinese, English and Portuguese, were introduced to schools for their use.

During the 2021/2022 academic year, the “Performance Evaluation System for Students Enrolled in Formal Education Curricula” was fully implemented, imposing regulations on multiple assessments and rates of conducting assessments, to foster students’ diversified development, cater for their individual differences and facilitate their learning.

Professional Development of Teaching Staff

In the 2021/2022 academic year, 825 teaching staff training activities were organised. The Education Fund launched the Subvention Scheme for School-based Training, the Subvention Scheme for Off-the-Job Training and the Subvention Scheme for Study Leave. In the 2021/2022 academic year, 19,834 teachers participated in the Subvention Scheme for School-based Training.

To support the professional development of leaders and management of schools in Macao, training programmes for potential school leaders were organised in 2022, attracting participation by 23 teaching staff.

The award winners in the teaching design award scheme for the 2020/2021 academic year were announced in October 2022, and a total of 311 entries received awards. Also, tuition fee subsidies were given to 41 teaching staff attending education courses or pedagogical training programmes.

Programme for International Student Assessment (PISA)

The Programme for International Student Assessment (PISA), drawn up by the Organization for Economic Co-operation and Development (OECD), assesses the performance of 15-year-old school pupils of participating countries/economies in reading, mathematical and scientific literacy once every three years. Since 2003, Macao has participated in seven PISA assessments.

The field trial of PISA 2022 completed data collection from 46 schools across Macao from April to May 2022. A total of 4,400 secondary students aged 15 years old participated in the field trial, with a response rate of 98.7 percent. All field trial data was reported in accordance with the schedule determined by PISA headquarters.

Progress in International Reading Literacy Study (PIRLS)

The Progress in International Reading Literacy Study (PIRLS) is organised by the International

Association for the Evaluation of Educational Achievement (IEA), and has been administered every five years since 2001. Its aim is to scientifically assess the reading literacy and level of pupils, and to explore factors that affect students' literacy. Results of the study are used as the basis for improving education policy on reading, teaching methods and reading habit, with an aim to further raise the reading literacy of students.

Macao participated in the study for the second time in 2021. Some 5,100 pupils from 58 schools participated.

Integrated Evaluation of Schools

The DSEJ implements systematic integrated evaluation of schools, to provide them with a reference for improvement and development, as well as to plan the necessary auxiliary measures.

Starting from the 2018/2019 academic year, the new integrated evaluation model was implemented. This has school self-evaluation as the core, combined with external evaluation, aiming to foster continuous development of school leadership, curricula and teaching, and student support. From 2018/2019 to the 2022/2023 academic year, the new integrated evaluation model has been implemented for 52 schools, representing over 70 percent of Macao schools.

National Education

The Flag-Raising Ceremony for the May Fourth Youth Day for Macao Students was held in the Macao Polytechnic University Multisport Pavilion on 4 May 2022; the ceremony was presented by 100 Macao student flag-raising team members.

In 2022, a sharing session was held on the spirit of the “NPC and CPPCC meetings”, with Macao deputies to the NPC and Macao members of National Committee of CPPCC invited to introduce the meeting contents and the key areas of the national work report. Nearly 200 representatives of youth organisations, student unions and alumni associations of tertiary institutions, as well as young students, joined the sharing sessions.

An art exhibition to pass on the spirit of the May Fourth Movement was held from February 2022 to April 2022, targeting secondary and primary students in Macao. The exhibition attracted participation by 42 schools, collected a total of 69 works, and received more than 25,000 visitors.

Since 2018, the DSEJ has actively encouraged schools and youth organisations to visit the National Security Education Exhibition, to motivate students and young people to join hands with the Government to safeguard national security. In 2022, over 15,000 teachers and young people visited the National Security Education Exhibition.

To strengthen education on the Constitution and the Basic Law, the Speech Contest on the Constitution and the Basic Law was held in 2022, to commemorate the 29th anniversary of the promulgation of the Basic Law of the Macao Special Administrative Region. A total of 105 students from 21 schools joined the group event of the speech contest, and the entire activity attracted more than 4,700 participants. To celebrate the Constitution Day, on 4 December 2022 the DSEJ held an event with the Constitution Day as the theme, and 400 related activities were held by certain

non-tertiary schools, attracting more than 120,000 participants.

To further develop patriotic education and deepen students' knowledge of foreign affairs, defence and national affairs, during the 2022 academic year, the DSEJ rolled out a wide array of activities such as the Promotion of Diplomatic Knowledge Campaign, the 2nd Macao Universities Diplomatic Speech Contest, the Successors of the New Era – National Training Course for Core and Executive Members of Tertiary Student Communities, and supported student visits to mainland China for exchanges. The activities attracted more than 8,200 participants. An extension activity titled “Diplomatic Knowledge Contest for Macao Teenagers” was added, and the “Diplomatic Knowledge Contest Youth League” was formed, garnering over 280 members.

Arts Education

In 2022, the DSEJ continued implementing the Students Popular Arts Education Scheme, covering primary six students to senior secondary three students. In the 2021/2022 academic year, 54 arts education activities were held due to the Covid-19 pandemic, attracting participation by 10,300 teachers and students. The DSEJ also continued organising the Arts Education Snowball Project and the National Art Troupes Performance Season in Macao.

Youth Affairs

Youth Affairs Council

The Youth Affairs Council is a consultative body that is responsible for providing professional advice and recommendations on formulating youth policies, and evaluating the results of their implementation. The DSEJ provides necessary skills and administrative and financial assistance to the Council. The Council held four plenary meetings in 2022, and in accordance with the Regulations on Presentation of Youth Awards, presented the 2021 Youth Activity Awards, Civic Education Awards, and Youth Service Awards.

Macao Youth Policy

The Macao Youth Policy (2022-2030) was promulgated and implemented in 2021. The cross-departmental follow-up group regarding the Macao Youth Policy continued leveraging the synergy of government departments. In 2022, the group coordinated the five secretariats, 22 departments and tertiary institutions to launch 390 action plans and jointly facilitate the implementation of the youth policy. The “Basic Law for Teens” – law promotion month targeting teenagers featured 26 online and offline events, attracting more than 55,000 participants.

Youth Indicators and Studies

The DSEJ continuously follows up on research and collection of information related to Macao Youth Indicators. The fourth quarter of 2022 saw the launch of the Social Survey on Macao Youth Indicators 2022. More than 2,300 valid completed questionnaires were collected. The survey result

is scheduled to be published in 2023.

Youth Activities and Sponsorships

In 2022, for the first time, the MSAR Government co-organised the Youth Exchange Programme between China and Portuguese-speaking Countries with the Office of the Commissioner of the Ministry of Foreign Affairs of the People's Republic of China in the Macao Special Administrative Region, inviting participation by 50 individuals, who were overseas students from eight Portuguese-speaking countries studying in six tertiary institutions in Macao, or mainland China students studying Portuguese in Macao.

In 2022, the DSEJ organised a total of 11 sessions of Meeting with Young People and the Platform for Young People Contributing Opinions and Suggestions, and arranged for youth participants of the Platform for Young People Contributing Opinions and Suggestions to attend the Government Consultative Committee meetings, to allow young people to express opinions and enhance their capabilities in political participation.

The DSEJ launched the Youth Association Training Curriculum Framework, which, in 2021 and 2022, provided 11 training programmes with participation by over 1,200 people. The second-phase common course training was also launched, to nurture and jointly cultivate talents and promote the development of youth associations. The 2021 Young Volunteers Award Programme presented a total of 228 awards, with the total service time of the award-winning young volunteers exceeding 44,000 hours.

In 2022, the DSEJ and the organising committee of the youth activity series in commemoration of the May Fourth Movement jointly organised a series of activities to commemorate the 103rd anniversary of the May Fourth Movement, attracting more than 5,500 participants.

In 2022, the Annual Subsidy Scheme for Activities of Youth Groups subsidised 169 projects or activities organised by 56 youth organisations or associations. The subsidies totalled about 2.73 million patacas. The DSEJ continued to run the Caring for Growth of Youngsters subsidy scheme, which had already subsidised 73 activities organised by 10 groups by the end of 2022. The subsidies totalled about 650,000 patacas. The Greater Bay Area Youth Information Platform continued cooperating with youth associations to share information with young people such as life in the Greater Bay Area, cultural and recreational activities, employment, entrepreneurship, and major policies on the Facebook page “Let’s Talk About the Bay Area”, the Instagram page “Bay Chit Chat” and the WeChat official account.

Activities Supporting Students’ Diversified Development

The DSEJ organises a variety of student competitions and activities every year and cooperates with several associations and organisations to arrange competitions and activities related to culture, sports and professional skills. It also sends school delegations to national and international competitions. In 2022, in response to the Covid-19 pandemic, some external competitions or exchange activities were cancelled, postponed or conducted online.

Regarding activities related to mathematics and popular science, Macao school delegations participated in nine external mathematics or popular science competitions and one activity, which were all held online, and won a total of 67 awards.

In the final of the seventh national constitution activity for students, which was conducted online, Macao student representatives won the first-class award in the primary group of the speech contest, the third-class award in each of the tertiary, senior secondary and junior secondary groups of the speech contest, and the and third-class award in the knowledge of the constitution contest.

Regarding career and life planning, the DSEJ provides residents with information on further studies and career planning through various means. In 2022, nearly 24,500 people participated in and watched the online live broadcast of various life planning projects on further studies and career planning. The Mainland China and Macao Higher Education Exhibition provided comprehensive information on universities in mainland China and Macao through an online exhibition. A total of 121 tertiary institutions participated in the exhibition: 111 tertiary institutions in mainland China (covering 20 provinces and cities) and 10 tertiary institutions in Macao. Nearly 75,400 people participated in the physical exhibition, attended talks or visited the related website.

Moreover, through the Annual Funding Plan for Activities for Integrated Student Development, non-profit societies or organisations and private tertiary institutions in Macao are encouraged to organise and participate in tertiary, secondary and primary student activities. In 2022, support was provided to 41 societies, three tertiary institutions and 122 activities.

The DSEJ actively establishes a variety of exchange and internship platforms for students, with a view to developing their worldview, strengthening their general knowledge and language competence, accumulating social experience, expanding social networks, and preparing to participate in society in future.

Youth and Student Facilities and Services

In response to the Covid-19 pandemic, in 2022, youth facilities under DSEJ's administration were temporarily closed from mid-June to early-to-mid August.

In 2022, the Hac Sa Youth Hostel and Cheok Van Youth Hostel welcomed 3,000 users, and the Hac Sa Youth Activity Development Base welcomed 1,000 users. A total of more than 8,500 people used the three study rooms under DSEJ's administration that were open to the public in Fai Chi Kei, Toi San and Ilha Verde.

The SDEJ's Experiential Centre for Young People, Outer Harbour Youth Centre and Bairro do Hipodromo Youth Centre continued organising activities that help young people to grow and develop, together with youth counselling services and training for volunteers. The service centre for university students provides comprehensive services to tertiary students and Macao residents who intend to pursue further studies. In response to the Covid-19 pandemic, all youth centres were temporarily closed in 2022 and had to follow the pandemic prevention guidelines during opening hours.

During the year, about 335,000 people participated in the activities and used the facilities at the four youth centres. The Bairro do Hipodromo Youth Centre continued providing night services till

2 am, to meet the different needs of young people using the facilities.

Since its inauguration till December 2022, the youth patriotic education base has received more than 52,000 visitors from 54 secondary and primary schools, six tertiary institutions and 104 organisations for learning and conducting activities. Also, an extended education programme to promote patriotism continued at the base, integrated with a Macao history learning focus and teaching resources. More than 14,000 people from 54 secondary and primary schools and six tertiary institutions participated in the programme since its launch till December 2022. The Pavilion of Patriotism attracted some 2,400 visitors or users in 2022.

The Juvenile Arts Exhibition and Performance Hall, which is under DSEJ's administration, held 33 exhibitions and performances throughout the year, which were attended and watched by 7,300 people.

In 2012, the DSEJ began providing subsidies for schools to set up diverse wellness centres. By December 2022, 30 diverse fitness centres had been set up.

Tertiary Education

Macao's modern tertiary education is flourishing. At present, there are 10 tertiary institutions in Macao – four public and six private institutions. To keep in line with Macao's rapid social and economic development, tertiary institutions have organised a wider variety of tertiary education programmes with consideration of social and academic development, in order to cultivate talents required by the community.

The Government has established a new tertiary education system to offer tertiary institutions greater autonomy and flexibility, strengthen and enhance their standard of governance, provide sufficient resources for the overall development of tertiary education, foster the continuous improvement of education quality, and continue promoting the sustainable development of tertiary education.

During the 2022/2023 academic year, there were 2,813 teaching staff and 49,594 registered students in Macao's tertiary education institutions, which offer 347 programmes – including doctorate, master's and bachelor's degree programmes, postgraduate certificates and higher diploma (including associate degree) programmes.

In addition, overseas institutions were granted approval to offer a total of 11 tertiary educational programmes in Macao in 2022.

Processing Applications to Launch, Revise and Register Programmes

In 2022, the DSEJ processed 60 applications by Macao tertiary educational institutions intending to launch new programmes or revise old ones; 56 of these applications were approved, one was in progress, and three were cancelled. The bureau also handled eight applications from overseas tertiary educational institutions seeking to establish, revise or continue running programmes; four of these were approved, and another four were cancelled. The bureau completed the processes for 51 course registration applications; 29 of these applications were approved, and 22 were in progress.

Promoting Exchanges and Cooperation in Tertiary Education

The DSEJ continues to facilitate various external cooperation projects within the tertiary education field, implement various agreements entered into with the Ministry of Education, the State Ethnic Affairs Commission, Guangdong Province and Portugal, to continue expanding the scope of external cooperation regarding Macao's tertiary education.

With approval from the Ministry of Education, in 2022, 14 tertiary institutions including Nankai University, Fudan University, Zhejiang University, Xiamen University, Huaqiao University, Wuhan University, Huazhong University of Science and Technology, Huazhong Normal University, Hubei University, Central South University, Sun Yat-sen University, Jinan University, South China Normal University and Xi'an Jiaotong University could admit Macao students based on the results of the Joint Admission Examination for Four Higher Education Institutions in Macao.

In addition, the DSEJ signed a cooperation agreement on accepting the results of the Joint Admission Examination for Four Higher Education Institutions in Macao with the Council of Rectors of Portuguese Universities and the Portuguese Polytechnics Coordinating Council. Starting from 2018, the Portuguese public universities and polytechnics under the two committees began admitting Macao students by adopting the results of the joint admission examination based on the agreement and the related regulations governing international students in Portugal. Starting from 2020, tertiary institutions in Taiwan adopted the results of the Joint Admission Examination for Four Higher Education Institutions in Macao.

To support the “Belt and Road” initiative and promote Macao tertiary education to Asian countries, in 2022 the DSEJ organised a Macao tertiary institution delegation to participate in the Talk Global Study (Asia session) global online education exhibition, organised by the BMI. At the invitation of the China Education Association for International Exchange, the DSEJ coordinated and organised Macao tertiary institutions to remotely participate in the China Education Expo 2022 – Guangzhou.

Coordination of Student Enrolments in Programmes of Macao Tertiary Educational Institutions Conducted on the Mainland

During 2022, with approval from the Ministry of Education, University of Macau, Macao Polytechnic University, Institute for Tourism Studies, Macau University of Science and Technology, City University of Macau and Kiang Wu Nursing College of Macau continued to recruit students from 31 provinces, municipalities and autonomous regions in mainland China. The University of Saint Joseph was permitted to recruit postgraduate students from mainland China on a trial basis starting from the 2021/2022 academic year.

During the 2022/2023 academic year, newly registered students from mainland China who applied to the above-mentioned tertiary educational institutions in Macao totalled 11,847 individuals, of whom 1,613 enrolled in doctorate degree programmes, 5,187 in master's degree programmes, 4,711 in bachelor's degree programmes and 336 in university foundation courses.

Starting from the 2021/2022 academic year, Macao institutions were permitted to recruit students from mainland China with the results of international courses for undergraduate programmes, and

there were 849 newly registered students.

Coordinating the Admission of Macao Students to Mainland Tertiary Institutions

The DSEJ is one of the bodies that process the admission of Hong Kong, Macao and Taiwan undergraduates and postgraduates to China tertiary educational institutions.

In the 2022/2023 academic year, 193 and 1,282 students sat the Joint Examination for Admission to Mainland China Universities (Macao) and the examinations for admission of students by recommendation to undergraduate programmes, respectively. In all, 35 and 1,138 students were admitted, respectively. In 2022, 106 students were admitted to mainland China universities, through their results in the Joint Admission Examination for Four Higher Education Institutions in Macao. Also, 356 students sat the examination for admission to postgraduate programmes in tertiary educational institutions in mainland China; 198 of them were admitted.

Textbooks and Stationery Allowances for Tertiary Students

The Government continued to disburse the Textbooks and Stationery Allowances for Tertiary Students. Macao identity card holders who are studying for doctorate degrees, master's degrees, bachelor's degrees, vocational courses, diplomas or associate degrees, with learning periods of not less than two years in Macao or abroad, can register for the subsidy. In 2022, 26,438 eligible tertiary students received an allowance of 3,300 patacas.

CET4 and CET6 English examinations in Macao

CET4 and CET6 written tests were held in 2022, with a total of 4,664 candidates sitting for the tests in June, including 2,418 sitting for the CET4 test and 2,246 candidates sitting for the CET6 test; while 5,097 candidates sat for the tests in December, including 2,548 candidates sitting for the CET4 test and 2,549 candidates sitting for the CET6 test. Test centres in Macao included University of Macau, Macao Polytechnic University, Macau University of Science and Technology and City University of Macau.

Tertiary Education Quality Assurance

The Government established a quality assurance expert group in 2019, and invited experienced experts in tertiary education quality assurance from around the world as members. As a consultative body, the expert group is mainly responsible for providing professional advice on quality assurance, and supporting Macao tertiary institutions to establish and optimise quality assurance mechanisms, to further enhance the continuous improvement and recognition of tertiary education quality and keep in line with international standards.

In 2022, tertiary institutions continued their assessment work in accordance with the Macao regulations and quality assurance framework. The DSEJ completed the certification of Macao

Polytechnic University, Macao Institute for Tourism Studies, Macau University of Science and Technology. It also endorsed 34 course reviews and 11 course certifications, and exempted 13 courses from course review.

The DSEJ continued inviting professional experts to organise quality-assuring training activities for teaching staff and promoted effective implementation of the quality assurance system. It also continued connecting with quality assurance organisations and assessment institutions around the world, for a better understanding of the latest information and development trends, as well as to enable relevant organisations and institutions to be aware of the development of Macao's tertiary education quality assurance, and create favourable conditions for future collaboration.

Verification of Qualifications

In 2022, the DSEJ handled 14 written queries and one telephone query from government departments. It also handled a total of 114 queries from the public, of which two were made in person, 103 by telephone, and nine by e-mail.

Annual Funding Plan for Macao Higher Education Institutions

In 2022, the DSEJ set up the Annual Funding Plan for Higher Education Institutions, as a vehicle to subsidise private higher education institutions for equipment purchases, professional development of teaching and research staff, collaborative development programmes, and quality assessments of higher education. It supports private higher education institutions in launching development projects involving non-regular operations expenses, to constantly elevate the operations of higher education institutions.

During 2022, and until August 2023, the Annual Funding Plan for Higher Education Institutions received applications for subsidies from six private tertiary institutions, involving a total of 29.35 million patacas. Of this total, equipment purchase subsidies for Macao tertiary institutions totalled about 24.77 million patacas, teaching and research staff professional development subsidies for Macao tertiary institutions totalled about 17,000 patacas, collaborative development project subsidies for Macao tertiary institutions totalled about 1.73 million patacas, and subsidies for education quality assessments of Macao tertiary institutions totalled about 3.01 million patacas.

Macao Academic Library Alliance

Coordinated by the DSEJ, nine tertiary institutions carried on their mission to “Build together, Plan together, Share together and Use together”, and jointly established the Macao Academic Library Alliance. The alliance endeavours to allow the use of resources to the fullest through sharing resources and information among the libraries of the tertiary institutions.

In 2022, the Education Fund continued supporting the alliance's procurement of an electronic database, scientific research and patent analysis tools and service charge for MALA HUB, with a subsidy of 12.05 million patacas.

Tertiary Educational Institutions

University of Macau

Founded in 1981, the University of Macau is an international public integrated university with a modern governance model. With English as the main medium of instruction, 80 percent of its teaching and research fellows are from around the world. The university and its residential college system complement each other in implementing a whole-person approach to education.

Its faculties are Arts and Humanities; Business Administration; Education; Health Sciences; Law; Social Sciences; Science and Technology; Honours College; Graduate School and Centre for Continuing Education. Other research institutes include the Institute of Chinese Medical Sciences, the Institute of Applied Physics and Materials Engineering, the Institute of Collaborative Innovation, the Institute of Microelectronics, the Centre for Macao Studies, the Asia-Pacific Academy of Economics and Management and the Institute of Advanced Studies in Humanities and Social Sciences.

Three state key laboratories have been established on the campus of the University of Macau, focusing on microelectronics, Chinese medicine and smart city Internet of Things (IoT). The university has signed collaboration agreements with over 300 tertiary institutions from 30 countries and regions, and has launched joint talent nurturing programmes and set up joint laboratories in collaboration with a number of renowned local and overseas universities.

The university was ranked from 201st - 250th in the Times Higher Education World University Rankings, and was ranked 33rd in the Asia University Rankings. In QS World University Rankings it was ranked 304th. The 10 major subjects – Engineering, Computer Science, Materials Science, Chemistry, Pharmacology & Toxicology, Psychiatry/Psychology, Clinical Medicine, Biology & Biochemistry, Social Sciences, Agricultural Science - were ranked among the top 1 percent by the Essential Science Indicators (ESI).

During the 2022/2023 academic year, the University of Macau offered 114 doctorate programmes, master's degree programmes, bachelor's degree programmes, and postgraduate diploma programmes. It had 1,594 teaching staff and 12,666 registered students.

Macao Polytechnic University

Established in 1981, the Macao Polytechnic University is a public tertiary educational institution adopting an applied academic approach. It was formerly the Polytechnic Institute of the University of East Asia, and later renamed as Macao Polytechnic Institute in 1991. On 1 March, 2022, Macao Polytechnic Institute was further renamed to Macao Polytechnic University. It comprises the School of Applied Science, School of Health Sciences and Sports, School of Languages and Translation, School of Art and Design, School of Humanities and Social Sciences, and School of Management Science.

It also has various academic units and training centres, and the first Engineering Research Centre of the Ministry of Education in Hong Kong and Macao. The university continues fostering industrial, academic and research development in major areas such as Technology and Innovation, Chinese-

Portuguese-English Translation, Gaming Management, and Arts and Creativity, and cooperates with world-renowned universities and scientific research institutions to establish joint laboratories and develop research projects for high-level academic achievements.

It is the first tertiary institution in Asia that has passed the assessment of the Quality Assurance Agency for Higher Education (QAA), the only tertiary institution in the country to have three times received the Asia Pacific Quality Award and the first tertiary institution in Macao to receive the National Teaching Achievement Award. In 2022 it was ranked among the 201st-300th top World Universities by the Times Higher Education in terms of sustainable development, employment and economic growth.

During the 2022/2023 academic year, the university offered 41 doctorate, master's and bachelor's degree, and joint postgraduate research and diploma programmes. It had 420 teaching staff and 4,772 registered students.

Macao Institute for Tourism Studies

The Institute for Tourism Studies (IFT) is a public tertiary education institution established in 1995. It offers undergraduate programme, postgraduate diploma, master's and doctoral degree, and professional training courses, spanning hotel, tourism, culture and heritage, convention and exhibition, retail and marketing, leisure and entertainment, recreational activities, culture and innovation, and cookery studies. The institute also collaborates with internationally renowned institutions to offer advanced management programmes.

During the 2022/2023 academic year, the institute offered 17 doctorate degree, master's degree, bachelor's degree, and postgraduate diploma programmes, and higher diploma courses. 1,745 registered students enrolled in its tertiary education programmes.

Academy of Macao Public Security Forces

Established in July 1988, the Academy of Macao Public Security Forces is a training department under the Secretariat for Security, as well as one of the tertiary education institutes in Macao. It is responsible for offering bachelor's degree programmes in Police Sciences, Prison Security and Protection and Safety Engineering; master's degree and doctorate programmes in internal public safety, criminal science, disaster and rescue, civil defence, customs and maritime transportation monitoring activities and prison security; and other diploma programmes and certificate courses.

It also co-organises promotion courses with the security forces and security departments according to the ranking system; and provides pre-employment training for persons applying to join the Public Security Police, Fire Service, Customs Service and Prison Guard Service.

In the 2022/2023 academic year, the school offered two bachelor's degree programmes. There were 24 teachers on campus, and 50 students enrolled in higher education programmes.

The City University of Macau

The City University of Macau is a non-profit making private comprehensive university providing

tertiary education. The university comprises faculties of International Tourism and Management, Business, Humanities and Social Sciences, Innovation and Design, Finance, Education, and Law, as well as the Graduate School, the Open Institute, the School of Continuing Studies, the Institute for Research on Portuguese-Speaking Countries, the Data Science Research Centre and the Institute of Analytical Psychology.

The City University of Macau also has 15 research institutions, including the Research Centre for Macau Social and Economic Development, the Institute of Economic Research, the Institute for Research on Macau Education Development, the Institute of Smart Tourism Research, Macao Belt and Road Research Centre.

The doctoral, master's and bachelor's degree courses in tourism management were awarded the United Nations World Tourism Organization (UNWTO) TedQual Certification.

During the 2022/2023 academic year, the university offered 41 doctorate, master's and bachelor's degree programmes. It had 519 teaching staff, and 8,701 registered students.

University of Saint Joseph

The predecessor of the University of Saint Joseph, the Macau Inter-University Institute (IIUM), was established in 1996 and renamed University of Saint Joseph in December 2009. It is a non-profit making private Catholic University.

The university has established four faculties and one postgraduate school. It offers bachelor programmes, post-graduate diplomas, associate degree diplomas, plus masters and doctoral programmes. It has faculties of Education, Arts and Humanities, Business and Law, Health Science, Religious Studies and Philosophy, Data Engineering and Science, and an Institute of Science and Environment.

In the 2022/2023 academic year, the university offered 36 doctorate, master's and bachelor's degrees, as well as postgraduate diploma and higher diploma (associate degree) programmes. It had 66 teaching staff and 1,353 registered students.

Kiang Wu Nursing College of Macau

The Kiang Wu Nursing College of Macau was formerly the Kiang Wu Nursing and Midwifery School. It was established in 1923, and became a private institute in 1999, to cultivate talents in nursing and health sciences. This college is the oldest nursing institute in Macao. In the institutional quality audit conducted by the Quality Assurance Agency for Higher Education (QAA) from the United Kingdom, the QAA placed confidence in four aspects of good practice. The college provides bachelor's degree, master's degree and postgraduate certificate and diploma programmes in nursing and health sciences.

During the 2022/2023 academic year, the college offered three master's degree, bachelor's degree, postgraduate diploma and higher diploma programmes. It had 42 teaching staff and 503 registered students.

Macau University of Science and Technology

Established in March 2000, the Macau University of Science and Technology (MUST) is the first non-profit integrated university since the founding of the Macao SAR. The university comprises the Faculty of Innovation Engineering, School of Business, Faculty of Law, Faculty of Chinese Medicine, Faculty of Hospitality and Tourism Management, Faculty of Humanities and Arts, Faculty of Medicine (School of Pharmacy inclusive), University International College, School of Liberal Arts and Department of General Education.

It has also established the State Key Laboratory of Quality Research in Chinese Medicine, the State Key Laboratory of Lunar and Planetary Science, and several research institutes and research centres, including the Institute for Social and Cultural Research, the Macao Smart City Institute, the Macau Research Centre for International Standard of Chinese Medicines and the Macao Institute of Fintech Innovation. The University Hospital under the MUST Foundation serves as a base for clinical teaching, research and internships for the Faculty of Chinese Medicine and the Faculty of Medicine. The university was ranked among 201st – 250th universities in the latest World University Rankings by *Times Higher Education*.

During the 2022/2023 academic year, the university offered 97 doctorate, master's and bachelor's degree programmes. It had 770 teaching staff and 19,607 registered students.

Macau Institute of Management

Macau Institute of Management (MIM) was established in 1988. It is the academic arm of the Macau Management Association, specialising in providing education and training services. With Government approval, in July 2000 MIM was upgraded to become a higher education institution nurturing management talents.

The institute offers a four-year Bachelor of Business Administration Degree Programme, a two-year Associate of Business Administration Diploma Programme, and a one-year Professional Diploma Programme adopting the integrative learning approach, integrating electronic learning and face-to-face teaching. Students can arrange their online class time according to their own schedule. It also works with an overseas university in jointly organising a master's degree programme. In 2019, the Bachelor of Business Administration with Specialisation in Professional Accountancy programme was accredited by the Association of Chartered Certified Accountants (ACCA).

The institute offered seven bachelor's degree and higher diploma (including associate degree) programmes during the 2022/2023 academic year. It had 39 teaching staff and 305 registered students.

Macau Millennium College

The Macau Millennium College is a private tertiary education institution established in August 2001. To accommodate the needs of students who are full-time employees or shift workers, the college offers “shift classes for shift workers”. The two shift classes have identical lecture content. Students can choose to attend either the morning or evening sessions. Lecturers are mainly

internationally renowned professors from the University of Hong Kong and the Chinese Academy of Social Sciences.

During the 2022/2023 academic year, the college offered two bachelor's degree and higher diploma (associate degree) programmes, taught by 18 teaching staff, with 81 registered students.

Note: The statistics on teaching staff, students and programmes of Macao tertiary educational institutions for the 2022/2023 academic year were preliminary. They were provided by the DSEJ, other than those for the University of Macau, Macao Polytechnic University, and Macao Institute for Tourism Studies.



Popular weather science





The Macao Meteorological and Geophysical Bureau (SMG) is committed to promoting popular weather science and disaster prevention knowledge among the public in various ways. To celebrate the 70th anniversary of the SMG, a monthly open day with the theme “fun weather knowledge” was held for the first time, from March to December. It allowed citizens to delve deeply into the SMG during parent-child visits, thus learning about its day-to-day operations, better understanding inclement and severe weather, and listening to talks about weather and science through interactive or theatrical experiences.