



Rules and Regulations for 2023-2024 "Campus Weather Monitoring Competition - Atmospheric Environment"

1. Introduction:

In order to promote and encourage students to understand the relationship between the atmospheric environment and weather phenomena systematically and scientifically, Macao Meteorological and Geophysical Bureau and Macao Science Center is going to jointly organize a project-oriented competition. Teams participating in the competition should use the mobile atmospheric monitoring equipment and auxiliary components designated by the organizer to collect atmospheric data after assembling them. Besides, the competition also requires participants to analyze the materials collected and make brief reports on the results, thus to understand the impact of weather phenomena and other factors on the atmospheric environment and the scientific issues related to atmospheric monitoring.

2. Organizers:

Macao Meteorological and Geophysical Bureau and Macao Science Center

3. Sponsor: Education and Youth Development Bureau

4. Competition content:

Each team should select a report subject that is relevant to atmospheric environment. It should assemble the atmospheric monitoring equipment designated by the organizer, use it to make continuous atmospheric monitoring, and perform analysis or comparisons of the data collected, thus to present the features of atmospheric changes or scientific issues and theories relevant to atmospheric monitoring.





5. Competition form:

- A. Participants will be divided in a junior high school group and a senior high school group. Students' grades are determined by the 2023-2024 semester.
- B. Registration must be made by schools. The organizer will lend the designated equipment to the school and each school can borrow one set of mobile atmospheric monitoring equipment. The borrowed equipment must be returned to the organizer after the competition;
- C. The organizer can lend thirty sets of designated equipment. If the number of schools applying for the designated equipment exceeds the quota, the equipment will be given out according to the registration order on the first-come-first-served basis. The registration time of schools is subject to the date and time of completing the registration by the first team of the school.
- D. Each report should contain and quote the data collected by the equipment designated by the organizer;
- E. Teams are allowed to add non-provided components if they can meet the report requirements;
- F. The number of registered teams of each school is not limited;
- G. Each team should have no more than five members and be led by no more than one tutor. However, one tutor is allowed to lead more than one competition team of the school. Each participant can only participate in one team, and is not allowed to change team after the registration is confirmed. If any participant is found to participate in more than one team, all the teams that he/she belongs to will be disqualified for the competition;
- H. Each team can only submit one report. Please take reference to Article 9 for the report requirements.

6. Award:

- A. Junior high school group
 - 1 first prize: MOP2,500 and a trophy for each team
 - 1 second prize: MOP1,600 and a trophy for each team
 - 1 third prize: MOP1,200 and a trophy for each team
 - 3 merit awards: MOP600 and a certificate for each team





- B. Senior high school group
 - 1 first prize: MOP3,000 and a trophy for each team
 - 1 second prize: MOP2,000 and a trophy for each team
 - 1 third prize: MOP1,500 and a trophy for each team
 - 5 merit awards: MOP800 and a certificate for each team
- C. A Best Equipment Integration Solution Award is set for five schools with the best assembly in the competition, and each winning school will receive an all-in-one weather station and a certificate;
- D. All winners and their tutors will receive certificates.
- E. Teams completing the final presentation session but failing to win a prize will be given a souvenir.

7. Schedule:

- A. Briefing: 17:00-18:00, September 13, 2023 (Wednesday) (Meeting Rooms 3 and 4, Macao Science Center Convention Center);
- B. Training course: The date is set for mid-October, and details will be given in the introduction conference;
- C. Application date: Today to September 29, 2023 (Friday);
- D. Report submission: Today to March 15, 2024 (Friday);
- E. Shortlisted teams will be announced on the websites of Macao Meteorological and Geophysical Bureau and Macao Science Center on April 3, 2024 (Wednesday).
- F. Final date: April 14, 2024 (Sunday) (Meeting Rooms 3 and 4, Macao Science Center Convention Center).
- G. Date of award ceremony: April 28, 2024 (Sunday) (Convention Hall of Macao Science Center).





8. Submission of registration forms:

- A. Registration for introduction conference: Complete the online registration form of introduction conference <https://reurl.cc/K06X7M>.
- B. Competition registration and report submission:
 - Competition registration: Complete the online registration form <https://reurl.cc/94z12d>;
 - Report submission: Upload report file to a cloud storage server and send the download link to multimedia@msc.org.mo.

9. Report requirements:

- A. Report files should be submitted in PDF format;
- B. Each report should not exceed 18 pages;
- C. In the report, the participants should concisely present the assembly and use of the equipment, the data monitored, the scientific issue or change in the atmosphere to be reflected, and the scientific issues or atmospheric changes must be authentic and accurate;
- D. In the report, the progress of the installation and integration of atmospheric monitoring equipment should be described, and no less than five pictures should be used to show the final status of the installation and integration of atmospheric monitoring equipment;
- E. Each report should contain and quote the data collected by the equipment designated by the organizer;
- F. In order to make better analysis, comparisons and presentations of scientific issues, reports can use data that are not collected by the equipment designated by the conference, but the participants must specify the data sources and use restrictions;
- G. Teams shortlisted for the final should make brief reports on the day of the final.





10. Other requirements:

- A. The entry should be healthy, contain no pornography or violence, and not infringe any law of Macao;
- B. There is no language limitation for the entries. But Chinese or English brief introductions (or text descriptions) must be attached;
- C. Each entry must be the participant's original creation that has never been published or adopted by other institutions. Otherwise, the participant shall bear all legal liabilities, and the organizer shall have the right to disqualify him/her from the contest and withdraw his/her award;
- D. The entry should contain no animation, photo, picture or music whose copyright does not belong to the participant. If any of them is used, its source should be noted at the end of the entry, and a list of the sources of all such contents should be submitted to the organizer when the entry is submitted;
- E. All participants are required to comply with the *Personal Data Protection Act*. In particular, if a person's voice or image is to be recorded in the entry, prior consent of such person should be obtained (except when a street scene is filmed in a public place and no one is closed up);
- F. All intellectual property rights/copyrights of all entries, whether winning or not, will not be returned back to the participants, and they shall be unconditionally transferred to the organizer;
- G. Copyrights of winning entries and the derived profits and rights shall belong to the organizer;
- H. Winners are obliged to cooperate with the organizer to further improve or modify their entries. If you do not wish to modify your entry, please state on the registration form;
- I. The organizer reserves the right to use the entries for publicity, promotion and activities related to the contest without prior notice and remuneration to the participants;
- J. After the submission of registration forms, all those registered will be deemed to have agreed with the charter and results of the competition;
- K. The organizer reserves the right to award prizes if any entries are considered disqualified;





- L. Schools that receive an all-in-one weather station for the Best Equipment Integration Solution Award must install and guarantee the long-term operation of the awarded all-in-one weather station within the jurisdiction of the school. Schools fail to do so must return the awarded all-in-one weather station.

11. Adjudication panel:

Adjudication panel will consist of organizer representatives and professionals or scholars in relevant field; the ranking will be decided according to the scores given by the panel. The panel has the right not to give out any award.

12. Scoring standards for reports:

Project scientificity	10%
Project perspectiveness	15%
Presentation form of data	20%
Analysis method	25%
Project elaboration (final)	30%

13. Assessment rules for the Best Equipment Integration Solution Award:

Based on a review of the reports and presentations of the finalist teams of schools, the best integration of equipment will be selected as the representative of the school. The judges will select excellent solutions from the representatives to determine the list of winning schools.

14. Award presentation:

Bonuses and awards will be given out after the modification or completion of the entries; bonuses will be provided in MOP gift vouchers.





15. Disclaims:

- A. All submitted entries that fail to comply with the rules set out in this regulation will not be assessed by the adjudication panel, without individual notices to the participating teams;
- B. The organizer will not be responsible for any damage, loss, incompleteness, illegibility, delay or misplacement of any submissions that is not caused by the organizer, without individual notices to the participating teams;
- C. The organizer may, at its discretion, terminate the competition, modify the charter or disqualify any participant for misconduct;
- D. In case of disputes, the organizer reserves the right of final decision. The Chinese version of the Rules and Regulations shall prevail over the Portuguese and English versions in the event of any inconsistency.

16. Contact and enquiry

For any enquiries, please contact 8795 7245 (Ms. Wen) or 8795 7244 (Mr. Li) for consultation, or send email to multimedia@msc.org.mo.

All personal information collected for the competition will be used solely for activities related to the competition, and will be erased after the competition.

