





# 澳門國際青年創新創意協會

Macao International Youth Innovation and Creativity Association

The Challenge is aimed for all participants (primary and secondary students), who are required to discover and investigate an SDG-related problem, and then use their creativity and technology tools to design a unique and effective solution like designers and engineers do. They will submit documents that not only show their solutions but also the engineering design process they went through. Both will be evaluated as a whole.



在 2024 年 3 月 23 日“世界氣象日”到來之際，世界氣象組織（WMO）剛剛發布了最新的《全球氣候狀況》報告。“To coincide with World Meteorological Day on 23 March 2024, the World Meteorological Organization (WMO) has just released its latest State of the Global Climate report.”

- 2023 年為有記錄以來最熱的年份，幅度明顯  
2023 is the hottest year on record by a wide margin.
- 海洋熱量、海平面上升、南極海冰消融和冰川退縮均打破紀錄  
Ocean heat, sea level rise, Antarctic sea ice retreat and glacier retreat are all breaking records.
- 極端天氣阻礙社會經濟發展  
Extreme weather impedes social and economic development.
- 可再生能源轉型帶來希望  
The renewable energy transition offers hope.
- 氣候不作為的代價高於氣候行動的成本  
The cost of climate inaction is higher than the cost of climate action.

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聯合國秘書長古特雷斯將此稱之為地球發出的“求救信號”，氣候變化損害了幾乎所有的可持續發展目標，並呼籲各國領導人立即採取行動，為人類和地球築起最後的生命線。而他也表示：科學是解決方案的核心。

United Nations Secretary-General Antonio Guterres has called it a “distress signal from the Earth,” saying that climate change is damaging almost all of the Sustainable Development Goals and urging leaders around the world to take immediate action to build the final line of life for humanity and the planet. And he also said: Science is at the core of the solution.

青少年們可以做些什麼來應對氣候變化？有什麼辦法可以中止對環境產生破壞作用？怎樣更高效準確地利用新興能源？如何利用科學技術來解決我們遇到的問題，保障可持續發展？

What can teenagers do to combat climate change? Is there any way to stop damaging the environment? How can new energy sources be used more efficiently and accurately? How can science and technology be used to solve our problems and ensure sustainable development?

SDG 全球目標創意挑戰活動 2024 正式啟動！ A Students Challenge For The Global Goals 2024 is officially launched!



放眼全球 ○ 科技創新

2024

全球目標創意挑戰  
A Students Challenge For The Global Goals



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2024 活動主題 Activity Theme: 氣候變化和能源 Climate change and Energy



## I. 參與資格 Eligibility

- 比賽面向全國所有在校中小學生，分為 7-12 歲、13-18 歲兩個年齡組；  
Open to all students aged 7-18, divided into two age groups: 7-12, 13-18
- 學生組成 1-4 人的參賽團隊，同一個學生只能參加一個團隊，不能重複參賽；  
Students can participate individually or in a team of at most 4 people; the eldest one in the team determines the age group; each student is only allowed to enter one project
- 學生對參賽作品自行查新、查重，凡弄虛作假、剽竊他人成果或採取不正當手段參賽的，經組委會核實後取消參賽及獲獎資格。  
Students should maintain the highest standards of honesty and integrity. Fraudulent projects, such as plagiarism, forgery, use of presentation of other researcher's work as one's own, and fabrication of data, will fail to qualify.

## II. 項目類別 Project Categories

項目分為兩個類別 Two categories of projects are accepted:



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- 創意作品 **Prototype**: 不只有創意設計的方案，還完成了一個能充分論證方案可行性和效果的原型。該類別 7-12 歲，13-18 歲兩個年齡組都可以提交。

A tangible device or application that has been constructed and has come, if not all, of the functions and capabilities that might actually be used in the real world. This category applies to all age groups.

- 創意設計 **IDEA**: 提出了一個解決問題的方案，但是因為時間、資源、執行難度等問題尚完成實物原型。該類別只有 7-12 歲學生組可以提交。

A detailed design of a device, product, or system to solve a real-world problem, but due to constraints in time, resources, or simply students' technical capability, is still a plan on paper. This category only applies to age group 7-12.

### III. 作品提交 **Project Submission**

- 學生可掃描以下二維碼完成報名程序，作品地區初審完成後確定入圍決賽名單，並由本會統一提交入圍項目資料給大賽組委會作進一步專家答辯。

Students may scan the following QR code to complete the registration process. After the preliminary review of the entries by the organizing committee, the list of finalists will be confirmed, and the shortlisted projects will undergo further presentation and expert defense.

- **截止日期: 2024 年 12 月 10 日**，接受中文或英文。具體提交方式和材料要求見附件“**申請指南**”。 **Deadline: December 10, 2024**, accepted in Chinese or English. Please refer to the attached "**Application Guide**" for specific submission methods and material requirements.

- 報名費用 **Registration Fee: MOP500/每隊(per team)**



報名連結 + 比賽答疑

<https://jinshuju.net/f/JldFsl>

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## 活動亮點 Activity Highlights

學生收獲 What students gained/learned?



- 了解重要的全球問題，提升國際視野 Gain understanding of important global issues and expand international perspectives

通過活動深入認識和探究全球 17 個可持續發展主題，設計和制作創新性的解決方案。

Through the program, students deepened their understanding and exploration of the 17 UN Sustainable Development Goals by designing and creating innovative solutions.



- 獲得聯合國官方機構認證的獲獎證書 Receive an official certificate from a UN institution  
獲獎者將獲得由 UNITAR CIFAL Shanghai 頒發的聯合國可持續發展官方證書。

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Winner will be awarded an official UN certificate for Sustainable Development issued by UNITAR CIFAL Shanghai.



- 利用科技工具和平臺，提升解決問題的能力和創新能力 Enhance abilities to solve problems and foster innovation through use of technology tools and platforms  
通過設計完成創新作品的全過程，培養學生自主思考、克服困難、團隊合作、表達分享、解決問題的綜合能力。 By completing the innovative work from design to completion, students cultivated comprehensive abilities such as independent thinking, overcoming difficulties, team collaboration, expression and sharing, and problem solving.



- 拜訪聯合國總部，獲得聯合國官方推薦信 Visit UN Headquarters and receive an official letter of recommendation from the UN  
獲獎學生和指導教師將有機會拜訪聯合國，受邀參加遊學和可持續發展相關論壇及活動。優秀學生將獲得聯合國訓練研究所上海國際培訓中心的推薦信，為未來申請名校添磚加瓦。  
Winning students and advising teachers will have the opportunity to visit the UN, and be invited to participate in educational trips and sustainable development forums and activities. Outstanding students will receive a letter of recommendation from the Shanghai International Training Centre of the United Nations Institute for Training and Research, which will support their applications to top universities in the future.

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## 比賽日程 Agenda:

- 2024 年 12 月 December 2024 —— 線上作品提交 Online submission of works

2024 年 12 月 10 日晚 12:00 提交截止 Submission deadline at 12:00 pm on December 10, 2024

- 2025 年 1 月 January 2025 —— 作品預初審 Preliminary review of works

對學生提交材料進行在線評審，評出入圍項目和團隊/個人，發郵件通知在線答辯的具體安排。

Online evaluation will be conducted on student submitted materials to select shortlisted projects and teams/individuals, and specific arrangements for online defense will be notified via email.

- 2025 年 2 月 February 2025 —— 線上決賽答辯 Online Finals Defense

決賽將邀請在科技行業、創新教育和可持續發展等領域的專家，同入圍學生進行在線答辯，最終確定所有獎項名單。未能參加在線答辯的學生將被視為放棄比賽，無緣獎項。

The finals will invite experts in the fields of technology, innovative education, and sustainable development to participate in online defense with the shortlisted students, and ultimately determine the list of all awards. Students who fail to participate in the online defense will be deemed to have forfeited the competition and will not be eligible for the award.

- 2025 年 3 月 March 2025 —— 獲獎名單公布 List of winners announced

獲獎名單將公布在 CIFAL 官網 <http://www.cifalshanghai.org/>，SDG.K12 項目官網 <https://www.imakeedu.com/sdgk12> 和澳門國際青年創新創意協會網站 [www.miyica.org](http://www.miyica.org)。

The list of winners will be announced on the CIFAL official website

<http://www.cifalshanghai.org/> SDG.K12 Project Official Website

<https://www.imakeedu.com/sdgk12> and Macao International Youth Innovation and Creativity Association [www.miyica.org](http://www.miyica.org).

- 2025 年 8 月 August 2025 —— 頒獎典禮 Award Ceremony

頒獎典禮計劃於暑期在聯合國機構進行。獲獎學生將由聯合國機構官員親手頒發獲獎證書並合影留念。頒獎典禮將進行網絡直播。無法參加頒獎典禮的學生，將會通過郵寄獲得證書。

The award ceremony is scheduled to be held at a United Nations agency during the summer.

The award-winning students will receive their award certificates personally by officials from United Nations agencies and take a group photo as a souvenir. The award ceremony will be live streamed online. Students who are unable to attend the award ceremony will receive their certificates by mail.

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