

2024MIECF

Macao International Environmental
Co-operation Forum & Exhibition
2024年澳門國際環保合作發展論壇及展覽



推動綠色轉型 力踐雙碳目標

Reaching the Dual Carbon Goals through Green Transformation

28-30/03/2024 · 澳門 MACAO

活動後概要 Post - Event Summary

主辦單位
Host



中華人民共和國澳門特別行政區政府
Government of the Macao
Special Administrative Region of
the People's Republic of China

特邀支持單位
Special Supporting Organisations

中華人民共和國國家發展和改革委員會
National Development and Reform
Commission of the People's Republic of China

中華人民共和國科學技術部
Ministry of Science and Technology of the
People's Republic of China

中華人民共和國工業和信息化部
Ministry of Industry and Information
Technology of the People's Republic of China

中華人民共和國生態環境部
Ministry of Ecology and Environment of the
People's Republic of China

2024MIECF 官方承辦單位
2024MIECF Host Co-ordinators



招商投資促進局
Instituto de Promoção do Comércio e do Investimento
Commerce and Investment Promotion Institute
電郵 Email : miecf@ipim.gov.mo



環境保護局
Direcção dos Serviços
de Protecção Ambiental
Environmental Protection Bureau
電郵 Email : miecf@dspa.gov.mo



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MIECF Official Website

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官方承辦單位 Host Co-ordinators

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Host

中華人民共和國澳門特別行政區政府
Government of the Macao Special Administrative Region of the People's Republic of China

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Special Supporting Organisations

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National Development and Reform Commission of the People's Republic of China

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Ministry of Science and Technology of the People's Republic of China

中華人民共和國工業和信息化部
Ministry of Industry and Information Technology of the People's Republic of China

中華人民共和國生態環境部
Ministry of Ecology and Environment of the People's Republic of China

協辦單位

Co-organisers

福建省人民政府
People's Government of Fujian Province

江西省人民政府
People's Government of Jiangxi Province

湖南省人民政府
People's Government of Hunan Province

廣東省人民政府
People's Government of Guangdong Province

廣西壯族自治區人民政府
People's Government of Guangxi Zhuang Autonomous Region

海南省人民政府
People's Government of Hainan Province

四川省人民政府
People's Government of Sichuan Province

貴州省人民政府
People's Government of Guizhou Province

雲南省人民政府
People's Government of Yunnan Province

中華人民共和國香港特別行政區政府
The Government of the Hong Kong Special Administrative Region of the People's Republic of China

官方支持單位

Official Supporting Organisations

福建省生態環境廳
Department of Ecology and Environment of Fujian Province

江西省生態環境廳
Department of Ecology and Environment of Jiangxi Province

湖南省生態環境廳
Department of Ecology and Environment of Hunan Province

廣東省生態環境廳
Department of Ecology and Environment of Guangdong Province

廣西壯族自治區生態環境廳
Department of Ecology and Environment of Guangxi Zhuang Autonomous Region

海南省生態環境廳
Department of Ecology and Environment of Hainan Province

四川省生態環境廳
Department of Ecology and Environment of Sichuan Province

貴州省生態環境廳
Department of Ecology and Environment of Guizhou Province

雲南省生態環境廳
Department of Ecology and Environment of Yunnan Province

香港特別行政區政府環境保護署
Environmental Protection Department, The Government of the Hong Kong Special Administrative Region

葡萄牙環境署
Portuguese Environment Agency (APA)

澳門特別行政區政府新聞局
Government Information Bureau of the Macao SAR (GCS)

澳門特別行政區政府旅遊局
Macao Government Tourism Office (MGTO)

澳門特別行政區政府經濟及科技發展局
Government of the Macao Special Administrative Region - Economic and Technological Development Bureau (DSED)

業界支持單位

Industrial Supporting Organisations

中國環境保護產業協會

China Association of Environmental Protection Industry

中國石油和化學工業聯合會

China Petroleum and Chemical Industry Federation

澳門生產力暨科技轉移中心

Macau Productivity and Technology Transfer Centre

澳門中華總商會

Macao Chamber of Commerce

澳門廠商聯合會

Industrial Association of Macau

澳門出入口商會

Macau Importers & Exporters Association

澳門紡織商會

Macao Textile Merchants Association

澳門付貨人協會

Macau Shipper's Association

澳門銀行公會

The Macau Association of Banks

澳門建築置業商會

Macao Association of Building Contractors and Developers

澳門中國企業協會

The Association of Chinese Enterprises in Macao

澳門中小企業協進會

Macao SME Association

澳門環境保護產業協會

Macao Association of Environmental Protection Industry

澳門節能協會

Macau Energy Saving Association

澳門建造商會

Macau Construction Association

澳門工程師學會

The Macau Institute of Engineers

澳門建築師協會

Architects Association of Macau (AAM)

澳門科學技術協進會

The Association for Promotion of Science and Technology of Macau

澳門經濟學會

Macau Economic Association

澳門大學

University of Macau

澳門理工大學

Macao Polytechnic University

澳門酒店旅業商會

Macau Hoteliers and Innkeepers Association

澳門酒店協會

Macau Hotel Association

澳門國際綠色環保產業聯盟

Macau International Green Organize Union

澳門生態學會

Macau Ecological Society

澳門環保協會

Associação de Defesa do Ambiente de Macau

澳門建造業環境保護學會

Macau Construction Industry Environmental Protection Society

澳門建築機械工程商會

Macau Construction Machinery Engineering Association

澳門機電工程師學會

Macao Institution of Electrical and Mechanical Engineers (AEEMM)

廣東進出口商會

Guangdong Chamber of Commerce of Importers & Exporters

香港生產力促進局

Hong Kong Productivity Council

香港工業總會

Federation of Hong Kong Industries

獨立電力生產商協會

Independent Power Producers Forum (IPPF)

香港能源服務協會有限公司

Hong Kong Association of Energy Service Companies Limited (HAESCO)

葡萄牙及中國青年企業家協會

The Portugal-China Young Entrepreneurs Association (AJEPC)

香港歐洲商務協會

European Chamber of Commerce in Hong Kong

澳門環保總會

Macao Environmental Protection General Association

低碳綠色酒店發展聯盟

Low Carbon Green Hotel Development Alliance

澳門綠色低碳產業協會

Macao Green & Low Carbon Industry Association

澳門低碳發展協會

Macao Low Carbon Development Association

官方承辦單位

Host Co-ordinators

招商投資促進局

Commerce and Investment Promotion Institute (IPIM)

環境保護局

Environmental Protection Bureau (DSPA)

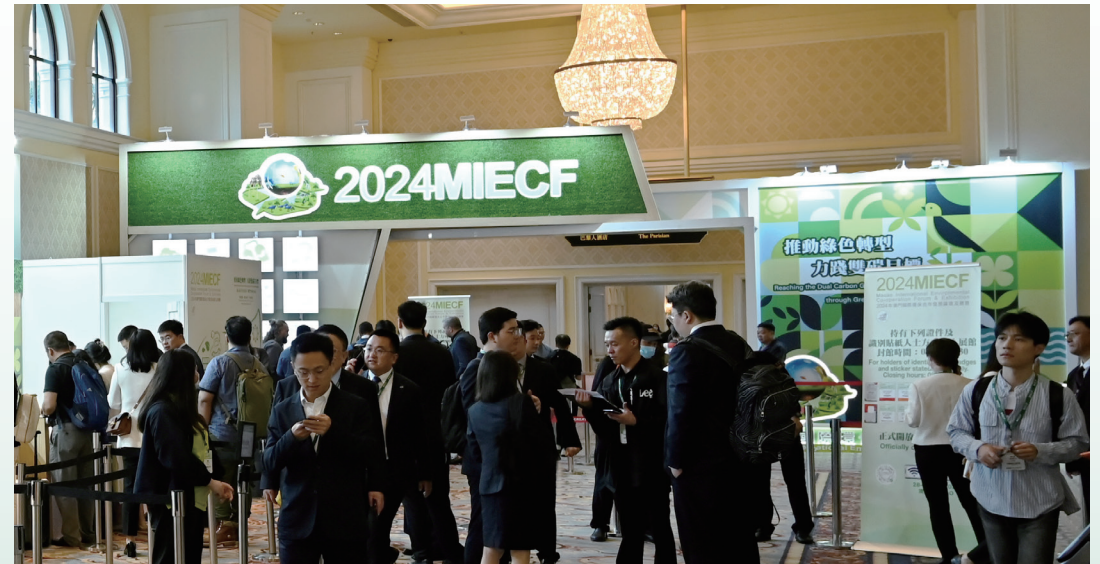
2024MIECF 活動概覽

2024MIECF General Information

關於 2024MIECF About 2024MIECF

關於 2024MIECF

- 由澳門特別行政區政府主辦，已舉辦至第十六屆。
- 以“推動綠色轉型 力踐雙碳目標”為主題，設有一系列專業國際性論壇、展覽、綠色配對、綠色公眾日及交流活動等，為連續第三年舉辦實現“碳中和”的專業展會。
- 今屆展會涵蓋綠色轉型、ESG（環境、社會、公司治理）、綠色金融及綠色科技產業等議題，邀請專家分享環保新技術與應用及探討綠色發展之路；同時展出碳中和技術、能源管理、水資源管理、綠色交通、污水處理、生態城市整合和綠色建築等環保產品與服務，推動企業綠色轉型，攜手拓展綠色商機。



About 2024MIECF

- An event led by the Government of the Macao Special Administrative Region in its 16th edition.
- Dedicated to the theme “Reaching the Dual Carbon Goals through Green Transformation”, the 2024MIECF held a series of professional international forums, exhibitions, green matching, as well as the Green Public Day and different exchange activities, which served as the third professional forum and exhibition held in succession on “carbon neutrality”.
- This year, the 2024MIECF covered an assortment of topics, such as green transformation, ESG (environmental, social and governance), green finance and green technology industries, where experts were invited to share new environmental protection technologies and their applications and discuss green development paths; in the meantime, the exhibition included products and services on environmental protection, including carbon neutrality technology, energy management, water resource management, green transportation, sewage treatment, eco-city integration and green buildings, in an effort to motivate enterprises' green transformation and join forces to explore green business opportunities.

2024MIECF 之目的

- 配合國家“雙碳”目標，以及澳門特區政府的《澳門長期減碳策略》等環境保護方面之重點政策，推動“1+4”重點產業向綠色低碳轉型。
- 旨在促進國際間“官、產、學、研、用、金”（政府、產業、教育、科研、用家、金融）等領域的環保交流合作。

2024MIECF 目標對象

- 環境官員及環保業界行政人員
- 管理人員、科學家及工程師
- 關注最新環境發展的企業
- 致力推行清潔、無污染技術的企業
- 致力推動環保技術企業
- 研發機構/組織
- 大學、科技學院和研究所
- 公眾

Objectives of 2024MIECF

- Promote the transformation of “1+4” key industries into green and low-carbon in line with the country's “dual carbon” goals and the key environmental protection policies enacted by the Macao SAR Government, including the Long-term Decarbonization Strategy of Macao.
- Aim to promote international exchanges and co-operation on environmental protection among different sectors, including “governments, industries, universities, research institutes, users and investors”.

Target Audiences of 2024MIECF

- Government officials and business executives in the environmental field
- Managers, scientists and engineers
- Companies that are keen to obtain the latest information on environmental development
- Companies that aim for implementing clean and non-polluting technologies
- Companies that aim for promoting environmental technologies
- Research and development institutions/organisations
- Universities, technical institutes and research institutions
- General public

2024MIECF 活動概覽

2024MIECF General Information

2024MIECF 之主要活動 Main Activities of 2024MIECF

2024MIECF 之主要活動

• 綠色展覽

2024年 3月28日	11:00 - 18:30 (只供業內及專業人士參觀)
2024年 3月29日	10:00 - 18:00 (只供業內及專業人士參觀)
2024年 3月30日	10:00 - 17:00 (開放予業內、專業人士及公眾參觀)

• 綠色論壇

2024年 3月28日	14:30 - 18:00 (只供業內及專業人士參與)
2024年 3月29日	09:30 - 17:30 (只供業內及專業人士參觀)

- 開幕典禮 (2024年3月28日)
- 綠色商機合作日 (2024年3月28日)
- 綠色配對 (2024年3月28日至30日)
- 簽約儀式 (2024年3月28日)
- 社區導覽 (2024年3月29日)
- 綠色公眾日 (2024年 3月30日)
- 技術參觀 (2024年 3月30日)
- 同期活動 (2024年3月28日至30日)

Main Activities of 2024MIECF

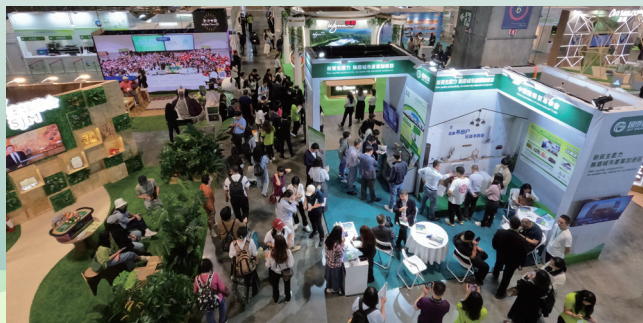
• Green Showcase

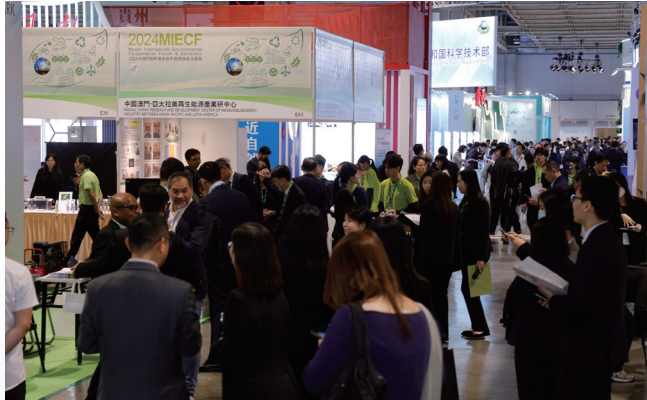
28/3/2024	11:00-18:30 (Open to Trade and Professionals Only)
29/3/2024	10:00-18:00 (Open to Trade and Professionals Only)
30/3/2024	10:00-17:00 (Open to Trade, Professionals and Public)

• Green Forum

28/3/2024	14:30-18:00 (Open to Trade and Professionals Only)
29/3/2024	09:30-17:30 (Open to Trade and Professionals Only)

- Opening Ceremony (28/3/2024)
- Green Business Co-operation Day (28/3/2024)
- Green Matching (28-30/3/2024)
- Protocol Signing Ceremony (28/3/2024)
- Community Tour (29/3/2024)
- Green Public Day (30/3/2024)
- Technical Visit (30/3/2024)
- Concurrent Events (28-30/3/2024)





2024MIECF 之亮點

- 邀請環保領域翹楚擔任主題演講嘉賓
- 綠色論壇聚焦碳中和及綠色轉型等環保議題
- 助力“1+4”重點產業把握ESG前瞻趨勢
- 新增“綠色智慧產業展區”
- 首設綠色轉型服務櫃檯
- 專業化及國際化程度提升
- 打造綠色展會
- 設五場專題配對洽談
- 新增“綠色合作伙伴”計劃

Highlights of 2024MIECF

- Prominent figures in the environmental sector as keynote speakers
- Green Forum on carbon neutrality, green transformation and other environmental issues
- Helping the “1+4” key industries keep abreast of future ESG trends
- Newly added “Green Smart Industries Exhibition Area”
- First-ever Green Transformation Service Counter
- Enhanced professionalism and internationalism
- Development of a green exhibition
- Five themed business matching sessions
- Introduction of the “Green Partnership” Programme

2024MIECF 活動概述

2024MIECF Event Overview

開幕典禮 Opening Ceremony

開幕典禮

2024MIECF開幕典禮邀請了逾600位海內外嘉賓，包括來自不同地區的政府官員、重要嘉賓、講者及代表團。

致歡迎辭

- 澳門特別行政區政府環境保護局 **譚偉文**局長

主旨發言

- 中華人民共和國國家發展和改革委員會鄭柵潔主任特別代表 **袁達**副秘書長
- 中華人民共和國生態環境部黃潤秋部長特別代表、綜合司 **孫守亮**司長
- 中華人民共和國科學技術部 **陳如標**一級巡視員
- 中華人民共和國工業和信息化部節能與綜合利用司 **丁志軍**副司長

主題演講

- 聯合國環境規劃署駐華代表，聯合國駐華系統可持續發展合作框架下保護地球工作組聯合組長 **涂瑞和**先生

Opening Ceremony

The Opening Ceremony welcomed over 600 guests at home and abroad, comprising government officials, VIPs, speakers and representatives from different regions to the 2024MIECF.

Welcome Message

- **Mr. Tam Vai Man**, Director of the Environmental Protection Bureau of the Government of the Macao SAR

Keynote Addresses

- **Mr. Yuan Da**, Deputy Secretary-General of the National Development and Reform Commission of the People's Republic of China, representing Zheng Shanjie, Chairman of the National Development and Reform Commission of the People's Republic of China
- **Mr. Sun Shouliang**, Director General of Department of General Affairs, Ministry of Ecology and Environment of the People's Republic of China, representing Huang Runqiu, Minister of Ecology and Environment of the People's Republic of China
- **Mr. Chen Rubiao**, Counsel of the Ministry of Science and Technology of the People's Republic of China
- **Mr. Ding Zhijun**, Deputy Director of the Department of Energy Conservation and Comprehensive Utilization, Ministry of Industry and Information Technology of the People's Republic of China

Keynote Speech

- **Mr. Ruihe Tu**, Head of United Nations Environment Programme (UNEP) China Office and Co-chair of Result Group of the Planet in UN-China Sustainable Development Co-operation Framework



開幕典禮主禮嘉賓包括：

- 澳門特別行政區 **賀一誠** 行政長官
- 中央港澳工作辦公室、國務院港澳事務辦公室分管日常工作的 **周霽** 副主任
- 中央人民政府駐澳門特別行政區聯絡辦公室 **鄭新聰** 主任
- 中華人民共和國外交部駐澳門特別行政區特派員公署 **劉顯法** 特派員
- 福建省人民政府 **林文斌** 副省長
- 湖南省人民政府 **李建中** 副省長
- 廣東省人民政府 **張少康** 副省長
- 廣西壯族自治區人民政府 **苗慶旺** 副主席
- 澳門特別行政區政府運輸工務司 **羅立文** 司長
- 香港特別行政區政府環境及生態局 **謝展寰** 局長
- 中華人民共和國國家發展和改革委員會鄭柵潔主任特別代表 **袁達** 副秘書長
- 中華人民共和國生態環境部黃潤秋部長特別代表、綜合司 **孫守亮** 司長
- 澳門特別行政區招商投資促進局 **余雨生** 主席
- 澳門特別行政區政府環境保護局 **譚偉文** 局長
- 中央人民政府駐澳門特別行政區聯絡辦公室經濟部 **劉德成** 部長
- 中華人民共和國科學技術部 **陳如標** 一級巡視員
- 中華人民共和國工業和信息化部節能與綜合利用司 **丁志軍** 副司長
- 海南省人民政府生態環境廳 **邱偉杰** 副廳長
- 四川省人民政府生態環境廳 **趙樂晨** 總工程師
- 貴州省人民政府 **李旭** 副秘書長
- 雲南省人民政府生態環境廳 **張建萍** 二級巡視員
- 江西省人民政府生態環境廳宣傳教育與對外合作處 **江劍平** 處長
- 聯合國環境規劃署駐華代表，聯合國駐華系統可持續發展合作框架下保護地球工作組聯合組長 **涂瑞和** 先生

Officiating guests of the ceremony included:

- **Mr. Ho Iat Seng**, Chief Executive of Macao Special Administrative Region
- **Mr. Zhou Ji**, Executive Vice Director of the Hong Kong and Macao Work Office of the CPC Central Committee, and the Hong Kong and Macao Affairs Office of the State Council
- **Mr. Zheng Xincong**, Director of the Liaison Office of the Central People's Government in the Macao SAR
- **Mr. Liu Xianfa**, Commissioner of the Office of the Commissioner of the Ministry of Foreign Affairs of the People's Republic of China in the Macao SAR
- **Mr. Lin Wenbin**, Vice Governor of the People's Government of Fujian Province
- **Mr. Li Jianzhong**, Vice Governor of the People's Government of Hunan Province
- **Mr. Zhang Shaokang**, Vice Governor of the People's Government of Guangdong Province
- **Mr. Miao Qingwang**, Vice Chairperson of the People's Government of Guangxi Zhuang Autonomous Region
- **Mr. Raimundo Arrais do Rosário**, Secretary for Transport and Public Works of the Government of the Macao SAR
- **Mr. Tse Chin-wan**, Secretary for Environment and Ecology of the Government of the Hong Kong SAR
- **Mr. Yuan Da**, Deputy Secretary-General of the National Development and Reform Commission of the People's Republic of China, representing Zheng Shanjie, Chairman of the National Development and Reform Commission of the People's Republic of China
- **Mr. Sun Shouliang**, Director General of Department of General Affairs, Ministry of Ecology and Environment of the People's Republic of China, representing Huang Runqiu, Minister of Ecology and Environment of the People's Republic of China
- **Mr. U U Sang**, President of the Commerce and Investment Promotion Institute of the Macao SAR
- **Mr. Tam Vai Man**, Director of the Environmental Protection Bureau of the Government of the Macao SAR
- **Mr. Liu Decheng**, Director-General of the Economic Department of the Liaison Office of the Central People's Government in the Macao SAR
- **Mr. Chen Rubiao**, Counsel of the Ministry of Science and Technology of the People's Republic of China
- **Mr. Ding Zhijun**, Deputy Director of the Department of Energy Conservation and Comprehensive Utilization, Ministry of Industry and Information Technology of the People's Republic of China
- **Mr. Di Weijie**, Deputy Director-General of the Department of Ecology and Environment of the People's Government of Hainan Province
- **Mr. Zhao Lechen**, Chief Engineer of the Department of Ecology and Environment of Sichuan Province
- **Mr. Li Xu**, Deputy Secretary General of the Guizhou Provincial People's Government
- **Mr. Zhang Jianping**, Associate Counsel of the Department of Ecology and Environment of Yunnan Province
- **Mr. Jiang Jianping**, Director of the Division of Promotion, Education and External Co-operation of the Department of Ecology and Environment of Jiangxi Province
- **Mr. Ruihe Tu**, Head of United Nations Environment Programme (UNEP) China Office and Co-chair of Result Group of the Planet in UN-China Sustainable Development Co-operation Framework

2024MIECF 活動概述

2024MIECF Event Overview

主題演講 Keynote Speech

主題演講

全球環境保護進展和展望

聯合國環境規劃署駐華代表，聯合國駐華系統可持續發展合作框架下保護地球工作組聯合組長——**涂瑞和**先生以“全球環境保護進展和展望”為題發表主題演講，回顧過去50多年來全球環境保護的進展、當前的狀況和挑戰，以及未來幾年行動重點領域，並重點提及過去兩年全球環境治理領域的幾項重大成果，涵蓋塑料污染、生物多樣性保護等議題，助環保業界發展提前部署。

Keynote Speech

Global Environmental Governance: Progress and Outlook

Mr. Ruihe Tu, Head of United Nations Environment Programme (UNEP) China Office and Co-chair of Result Group of the Planet in UN-China Sustainable Development Co-operation Framework, delivered a keynote speech on “Global Environmental Governance: Progress and Outlook”. He reviewed the progress of global environmental governance over the past 50 years and discussed the current situation and challenges and the key areas for action in the coming years. He focused on several major achievements made in the global environmental governance sector in the past two years, covering issues such as plastic pollution and biodiversity, allowing the environmental sector to plan ahead.



2024MIECF 活動概述

2024MIECF Event Overview

綠色商機合作日 Green Business Co-operation Day



綠色商機合作日

- 2024MIECF首日（3月28日）下午舉行了“綠色商機合作日-綠色論壇環節一”，繼自兩年前開始與國際著名會計師事務所—普華永道共同主辦之後，今年首次聯動粵港澳大灣區綠色金融聯盟與澳門銀行公會作為協辦單位。
- 設兩場專題研討，薈聚10多位來自粵港澳大灣區、葡語國家、東南亞國家等地的專家及行業領袖，現場吸引約300人參與。

Green Business Co-operation Day

- The “Green Business Co-operation Day: Session 1” of the Green Forum was held on the afternoon of the first day of the 2024MIECF (28 March). It was co-organised by the Greater Bay Area Green Finance Alliance and the Macau Association of Banks for the first time since it was held with PricewaterhouseCoopers, a well-known international accounting firm, in the past two years.
- This session, comprising two panel discussions, gathered over ten experts and industry leaders from the Guangdong-Hong Kong-Macao Greater Bay Area, Portuguese-speaking Countries and Southeast Asian countries and attracted around 300 participants.

2024MIECF 活動概述

2024MIECF Event Overview

綠色論壇 Green Forum



綠色論壇

“綠色論壇”於2024年3月28日及29日期間，共舉辦4個專題環節，聚焦ESG（環境、社會及公司治理）、綠色金融、碳中和及綠色轉型等環保議題進行分享及探討。

Green Forum

Held on 28 and 29 March 2024, the Green Forum comprised four thematic sessions, focusing on environmental protection issues, such as ESG (environmental, social and governance), green finance, carbon neutrality and green transformation to share and discuss.

綠色商機合作日 - 環節一：ESG新商機—共建循環經濟的生態系統

- 配合國家以至國際間的雙碳目標之下，ESG的理念和策略成為促進低碳轉型的重要動力。
- 本環節聚焦包括金融、旅遊、高新科技、商貿會展等重點產業與ESG的融合發展，以循環經濟助力經濟綠色高質量可持續發展。

Green Business Co-operation Day - Session 1 New Business Opportunities in ESG - Building a Circular Economy Ecosystem

- In line with the country's and international dual carbon targets, the ESG strategy has become an important driving force.
- This session discussed the integrated development of ESG and the key industries such as finance, tourism, high-tech, commerce, trade and MICE industries, seeking to build a circular economy ecosystem for high-quality and sustainable green economic growth.



綠色商機合作日 - 環節一：ESG新商機—共建循環經濟的生態系統

- 專題研討1邀請金融機構、經貿商協會、低碳發展機構、可持續數字科技等領域的行業專家，圍繞“金融助力綠色低碳轉型新機遇”議題進行研討。
- 專題研討2邀請來自高新技術、環保、綜旅休閒等領域的代表，就“跨領域協作賦能循環經濟發展”議題進行交流。
- 為與會各方提供商機交流平台，助力“1+4”重點產業把握ESG新商機。

Green Business Co-operation Day - Session 1 New Business Opportunities in ESG - Building a Circular Economy Ecosystem

- In panel discussion 1, industry experts from financial institutions, commerce and trade associations, low-carbon development organisations and the sustainable digital technology industry were invited to share their insights on “Finance Facilitates New Opportunities for Green and Low-Carbon Transition”.
- In panel discussion 2, representatives from high technology, environmental protection and integrated tourism and leisure industries exchanged opinions on “Cross-Industry Collaboration for Circular Economic Development”.
- These panel discussions seek to provide the participants with an exchange platform for business opportunities and help the “1+4” key industries seize the new business opportunities in ESG.





環節二：泛珠三角區域環保產業合作交流會

- 為促進澳門與泛珠環保產業合作，本環節邀請了泛珠九省及港澳環保產業協會代表，以交流會形式圍繞泛珠各環保產業優勢領域、環保市場發展概況及需求、營商環境、落戶政策等內容進行介紹和分析。
- 旨在促進泛珠環保產業的區域合作，共推綠色發展。

Session 2: Pan-Pearl River Delta Environmental Protection Industry Conference for Co-operation and Exchange

- To promote environmental co-operation in the Pan-Pearl River Delta (PPRD) region, representatives of environmental associations from the nine PPRD provinces, Hong Kong and Macao were invited to introduce and analyse the advantageous fields of environmental sectors, development and demands of environmental markets, business environments, and business introduction policies in the PPRD region during the conference.
- The conference aims to promote regional co-operation of environmental sectors in the PPRD region for green development.



環節三：構建碳中和城市藍圖，應對氣候變化

- 為更好地應對氣候變化，實踐碳達峰、碳中和成為近年國際上廣泛關注和熱烈討論的議題，也是國家目前在推動經濟、社會、環境等領域發展的關鍵任務。
- 本環節匯聚來自海內外的專家學者和業界人士，探討應如何為構建碳中和城市制定藍圖並配合實施，發揮綠色發展的整體合力，共同實現社會可持續發展。



Session 3: Creating a Blueprint for a Carbon Neutral City to Tackle Climate Change

- Plans for peaking carbon dioxide emissions and achieving carbon neutrality have become increasingly important on an international scale to better cope with climate change, as well as a key task in promoting the economic, social and environmental development of China.
- In this session, local and overseas experts, scholars and industry professionals were invited to explore the pathway to create and implement the blueprint for a carbon neutral city and advocate collective responsibility for green development, which aims to achieve sustainable development of the society.



環節四： 實踐綠色發展方案，推動城市轉型

- 可持續與綠色低碳發展是全球發展的趨勢，透過推廣綠色技術的廣泛應用，推動社會各界的參與和積極實踐，將有助城市往綠色低碳的路向轉型，共同應對氣候變化，更全面地實現國家“雙碳”目標。
- 本環節邀請專家學者探討建築、交通、能源及廢物管理等領域的綠色技術應用與城市轉型的關係，共同分析綠色創新發展的路向，從而助力各地城市實現轉型。



Session 4: Implementing Green Development Solutions to Promote Urban Transformation

- Sustainable, green and low-carbon development is a global development trend. To tackle climate change, the key to achieve the dual carbon goals and build a green and low-carbon city lies in the widespread application of green technologies and actively promoting the participation and practice of all sectors of society.
- In this session, experts, scholars and industry professionals were invited to share their insights in urban transformation applied to various related fields, such as green building, transportation, energy, and waste management, thus exploring the path of innovative green development that will provide solutions to improve cities' adaptation.

2024MIECF 活動概述

2024MIECF Event Overview

綠色展覽 Green Showcase



綠色展覽

今屆綠色展覽設五大展區，展示碳中和技術、能源管理、水資源管理、綠色交通、生態城市整合和綠色建築等環保產品與服務，主題展區如下：

1. 綠色智慧產業展區（新增）
2. 綠色低碳項目展區
3. 綠色交通展區
4. 粵港澳大灣區環保產業展區
5. 泛珠三角區域展區

當中，有多個參展首發項目於展會期間亮相，包括：

1. 移動式充電儲能機器人
2. 3D打印技術微型電動車
3. 空氣製水設備
4. 微生物廚餘垃圾處理機

Green Showcase

This edition has set up five exhibition areas to exhibit products and services related to environmental protection, including carbon neutrality technology, energy management, water resource management, green transport, eco-city integration, and green buildings, the themed exhibition areas are shown as below:

1. Green Smart Industries Exhibition Area (New)
2. Green and Low-carbon Project Zone
3. Green Mobility Zone
4. Guangdong-Hong Kong-Macao Greater Bay Area Environmental Protection Industries Exhibition Area
5. Pan-Pearl River Delta Region Pavilion

Various green products were unveiled during the event, such as:

1. Mobile Charging and Energy Storage Robots
2. 3D-printing Micro Electric Vehicles
3. Atmospheric Water Generators
4. Microbiological Food Waste Processors

2024MIECF 尊貴展商

Some of the Prime Exhibitors at 2024MIECF



2024MIECF Macao International Environmental Co-operation Forum & Exhibition
2024年澳門國際環保合作發展論壇及展覽



(以企業英文名稱排列 In Alphabetical Order)

綠色合作伙伴 Green Partnership



尊貴展商 Prime Exhibitors



與過去歷屆相同，2024MIECF同樣設立了“環保展台嘉許獎”與“綠色電費回贈”計劃，鼓勵參展商實踐環保管理。

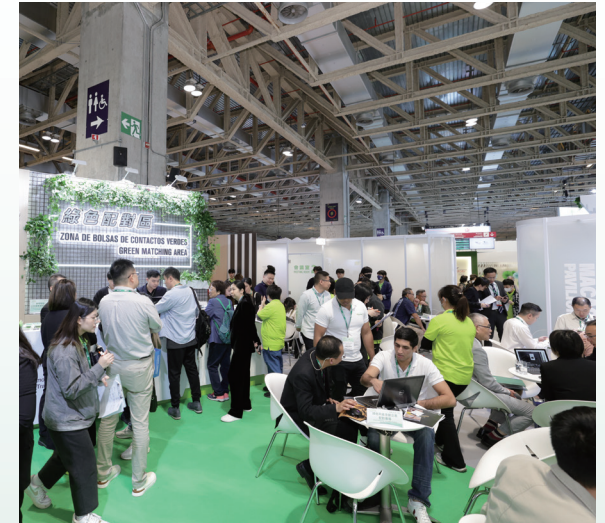
As in past editions, to encourage environmental management within the exhibitors, 2024MIECF organised the “Green Booth Award” and “Green Electricity Rebate”.



2024MIECF 活動概述

2024MIECF Event Overview

綠色配對 Green Matching



綠色配對

- 為促進綠色合作、深化“產業+會展”新業態，MIECF特設專題配對洽談，每年根據國際環保發展趨勢、國家及澳門特別行政區政府有關環保政策和經濟發展策略等不同主題，為海內外展商客商搭建國際環保交流合作平台。
- 今屆展會安排5場專題配對洽談，涵蓋澳琴聯動環保對接、綜合旅遊休閒企業中小企環保採購、大健康綠色供應鏈、綠色科技及碳交易、國際綠色能源等主題。
- 展會期間共完成逾420場配對洽談，助力推動綜合旅遊休閒產業、大健康產業、綠色科技等“1+4”重點產業的綠色發展和轉型。

Green Matching

- To foster green co-operation and consolidate the new “Industry + MICE” development model, MIECF arranges themed business matching sessions every year, which are all in line with international trends in environmental protection and the environmental policies and economic strategies of the Central Government and the Macao SAR Government, and has established a platform for international environmental exchanges and co-operation for exhibitors and trade visitors at home and abroad.
- This year, MIECF arranged five themed business matching sessions on Macao-Hengqin Synergy Business Matching on Environmental Protection, SME Environmental Procurement from Integrated Tourism and Leisure Enterprises, Big Health Green Supply Chain, Green Technology and Carbon Trading, and International Green Energy.
- Over 420 business matching sessions were conducted during the 2024MIECF, which supported the green development and transformation of the “1+4” key industries, including integrated tourism and leisure, big health, and green technology.

2024MIECF 活動概述

2024MIECF Event Overview

引入“ESG”元素 Introducing the Element of ESG



引入“ESG”元素

- 今屆MIECF透過綠色論壇、綠色展覽、綠色配對及交流活動等，結合專家學者演講、展示成功案例和解決方案等方式，助各方參與者深入了解ESG理念，助力企業把握ESG前瞻趨勢，提前做好升級轉型部署。
- 今屆展會還增設綠色轉型服務櫃檯，為企業提供包括ESG、綠色認證、綠色技術轉型等領域的諮詢服務，協助企業綠色轉型，共同推動可持續發展。

Introducing the Element of ESG

- To help all participants gain a deeper understanding of ESG concepts, and assist enterprises keep abreast of future ESG trends and make early deployment for upgrades and transformation, successful cases and solutions were showcased in the Green Forum, Green Showcase, Green Matching and networking activities, and were elaborated on by experts and scholars.
- For the first time, the “Green Transformation Service Counter” was set up to provide enterprises with consulting services in fields including ESG, green certification and green technology transformation, which aimed to assist enterprises in green transformation and jointly promote sustainable development.

2024MIECF 活動概述

2024MIECF Event Overview

社區導覽 Community Tour



社區導覽

為深化“旅遊+會展”跨界融合發展，大會繼續安排社區導覽活動，組織2024MIECF客商走進社區探店，體驗澳門文旅氣氛及營商環境，感受澳門作為旅遊會展城市的魅力，以惠及社區經濟和周邊行業發展。

Community Tour

In order to deepen the cross-sectoral “tourism + MICE” integration, community tour was arranged again, and the trade visitors of 2024MIECF were organised to go inside the communities and local shops to experience Macao's cultural tourism and business environment, feel the charm of Macao as a tourism convention and exhibition city, and benefit the community economy and the development of surrounding industries.



會展環境體驗之旅

大會安排客商參觀澳門會展設施，圍繞綠色主題發掘商機，進一步認識澳門會展軟硬體實力，助帶動更多投資及會展活動來澳發展。

MICE Environment Experience Tour

The tour was organised for trade visitors to visit Macao's MICE facilities, which helped them further understand Macao's MICE software and hardware facilities while exploring green business opportunities, helping to bring more investment, conventions and exhibitions to Macao.

2024MIECF 活動概述

2024MIECF Event Overview

技術參觀 Technical Visit



技術參觀

為促進綠色經驗分享和環保技術交流，大會於展會最後一天（3月30日）上午安排了技術參觀，組織2024MIECF與會者參觀電子及電器設備回收設施、路氹城生態保護區，以助了解澳門的環保工作，認識生態保護知識和環保創新科技，從而推動環保交流合作。



Technical Visit

To facilitate green experience sharing and environmental technology exchanges, technical visits to Macao Electronic and Electrical Equipment Recycling Treatment Facility and Cotai Ecological Zones were organised on the last day's morning (30 March) for participants of 2024MIECF to get to know Macao's environmental efforts, acquire knowledge of ecological conservation, and learn about innovative environmental technologies, which will help strengthen exchanges and co-operation in the environmental sector.

2024MIECF 活動概述

2024MIECF Event Overview

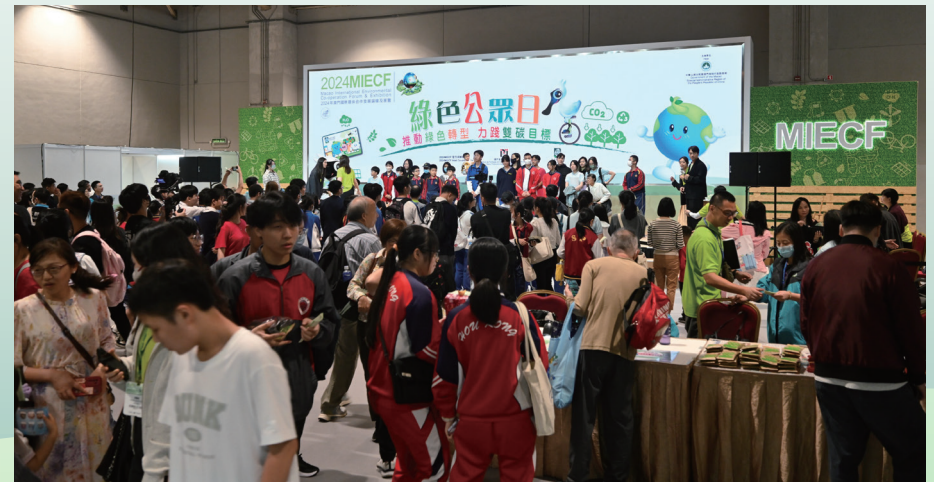
綠色公眾日 Green Public Day

綠色公眾日

- 展會最後一天（3月30日）定為“綠色公眾日”，公眾可免費入場體驗MIECF豐富多元的綠色元素，透過MIECF平台了解最新環保資訊和拓展綠色視野，推廣“綠色低碳”等環保理念，倡導共創綠色未來。
- 現場設有一系列環保親子活動，包括舞台遊戲、攤位遊戲、環保工作坊、環保Fun申請站，以及幸運大抽獎等，參與現場活動可有機會獲取環保禮品，更可與環保局吉祥物互動留影。
- 大會於“綠色公眾日”當天提供四條免費純電動穿梭巴士路線往返澳門中區、北區及氹仔與MIECF會場，鼓勵市民綠色出行。

Green Public Day

- The last day (30 March) of the event was designated as “Green Public Day”, the public was able to experience the rich and diverse green elements of the MIECF on-site free of charge, obtain the latest environmental information and broaden their green horizons through the MIECF platform, promote environmental protection concepts such as “green and low carbon” practices and advocate jointly creating a green future.
- A series of parent-child activities on environmental protection were available on-site, including stage games, booth games, environmental workshops, the “Eco Fun” and a lucky draw. Those taking part in the on-site activities had the chance to win eco-friendly gifts and interact and take photos with the mascots of the Environmental Protection Bureau.
- To encourage green commuting, four electric shuttle bus routes were available free of charge between Central Macao, Northern Macao, Taipa and the MIECF venue on Green Public Day.



2024MIECF 活動概述

2024MIECF Event Overview

同期活動 Concurrent Event

一會展兩地

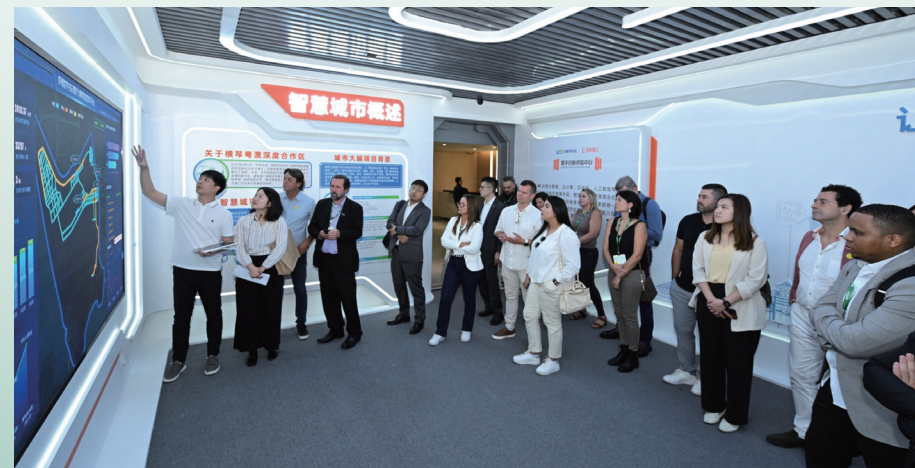
今屆MIECF三天展期共舉辦4場“一會展兩地”活動，約120位與會者參加有關活動：

- 由澳門綠色低碳產業協會主辦的“零碳智慧產業園區論壇橫琴考察團”及“青創技術交流團”
- 由澳門中華總商會主辦的“澳門工商企業橫琴考察團”
- 由澳門至善公司、澳門博覽集團有限公司主辦的“葡語國家橫琴粵澳深度合作區及珠海考察團”

同期活動

2024MIECF期間，多個專業機構及行業商協會分別舉辦9場論壇、研討會、推廣會及課程認證等同期活動，圍繞粵港澳大灣區的新能源發展、綠色創新、環保產業資源循環、低碳轉型和綠色會展、會展活動碳排放計算及踐行等主題進行分享及討論，推進區域綠色合作及發展：

- 由澳門環境保護產業協會、廣東省環境保護產業協會、香港環保產業協會主辦的“粵港澳大灣區綠色創新大會·澳門站”主旨會議及專題會議/介紹會（2024年3月28日-29日）
- 由廣州市黃埔區發展和改革局、廣州儒興科技、澳門光伏產業協會、澳門綠色低碳產業協會聯合主辦的“第三屆粵港澳大灣區新能源產業國際論壇”（2024年3月28日）



- 由澳門綠色低碳產業協會、深圳國際低碳論壇發展中心及大灣區碳中和協會共同主辦的“2024零碳智慧產業園區論壇”（2024年3月28日）
- 由世界綠色設計組織、澳門綠色低碳產業協會、大灣區碳中和協會主辦的“國際綠色能源對接會”（2024年3月29日）
- 由清華大學能源環境經濟研究所、低碳綠色酒店發展聯盟主辦的“酒店業綠色低碳轉型案例與經驗分享”（2024年3月29日）
- 由澳門低碳發展協會、澳門展貿協會主辦的“碳普惠-城市雙碳發展與實踐研討會暨‘環保展台嘉許獎及綠色電力回贈’活動”（2024年3月29日）
- 由澳門機電工程師學會主辦的“環保技術及產品推廣會”（2024年3月30日）
- 由ASHRAE澳門分會-供暖製冷及空調工程師學會主辦的“‘人工智能在區域供冷系統自動控制中的應用’研討會”（2024年3月30日）

Multi-venue Event

Four “multi-venue events” were organised during the three-day event, attracting roughly 120 participants:

- The “Zero Carbon Smart Industrial Park Forum Hengqin Study Tour” and the “Youth Entrepreneurship Technology Exchange Tour” organised by the Macao Green & Low Carbon Industry Association
- The “Hengqin Study Tour for Macao Industrial and Commercial Enterprises” organised by the Macao Chamber of Commerce
- The “Hengqin and Zhuhai Study Tour for Portuguese-speaking Countries” organised by Perfeição Companhia Lda. and Macau Expo Group Limited



Concurrent Event

During 2024MIECF, nine concurrent events such as forums, seminars, promotional sessions, and course accreditation were presented in collaboration with professional institutions and industry associations. Those concurrent events focused on new energy development, green innovation, resource recycling, low-carbon transformation, green MICE events, and practice and calculation of carbon emissions from MICE events, among others, in the Guangdong-Hong Kong-Macao Greater Bay Area, with the aim of fostering green regional co-operation and development through sharing and discussion:

- Keynote meetings and Panel/Orientation Meeting of the Guangdong-Hong Kong-Macao Greater Bay Area Green Innovation Conference in Macao were jointly organised by Macao Association of Environmental Protection Industry, Guangdong Association of Environmental Protection Industry, and Hong Kong Environmental Industry Association (28 – 29 March 2024)
- The 3rd Guangdong-Hong Kong-Macao Greater Bay Area New Energy Industry International Summit Forum (Macao) was jointly organised by Development and Reform Bureau of Huangpu District and Guangzhou Development District, Guangzhou Ruxing Technology Development Co., Ltd., Macao Photovoltaic Industry Association, and Macao Green & Low Carbon Industry Association (28 March 2024)
- The 2024 Zero Carbon Smart Industrial Park Forum was jointly organised by Macao Green & Low Carbon Industry Association, SHENZHEN Development Center of International Low Carbon Forum, and GBA Carbon Neutrality Association (28 March 2024)
- International Green Energy Matching Meeting was jointly organised by World Green Design Organization, Macao Green & Low Carbon Industry Association, and GBA Carbon Neutrality Association (29 March 2024)
- Green and Low-carbon Transformation Cases and Experience Sharing in the Hospitality Industry was jointly organised by Institute of Energy, Environment and Economy, Tsinghua University, and Low Carbon Green Hotel Development Alliance (29 March 2024)
- Exploration of Carbon Inclusive Strategy towards Urban Dual Carbon Goal Seminar and The 26th "Green Booth Award and Electricity Fee Rebate" Presentation Ceremony was jointly organised by MACAO LOW CARBON DEVELOPMENT ASSOCIATION, and Macau Fair & Trade Association (29 March 2024)
- Leading Green Technology and Product Exhibition Conference was organised by The Macao Institution of Electrical and Mechanical Engineers (30 March 2024)
- "Application of Artificial Intelligence in District Cooling Automatic Control" Seminar was organised by ASHRAE Macao Chapter (30 March 2024)



2024MIECF 統計數據

2024MIECF in Figures

專業觀眾資料及意見反饋 Trade Visitor Information and Feedback

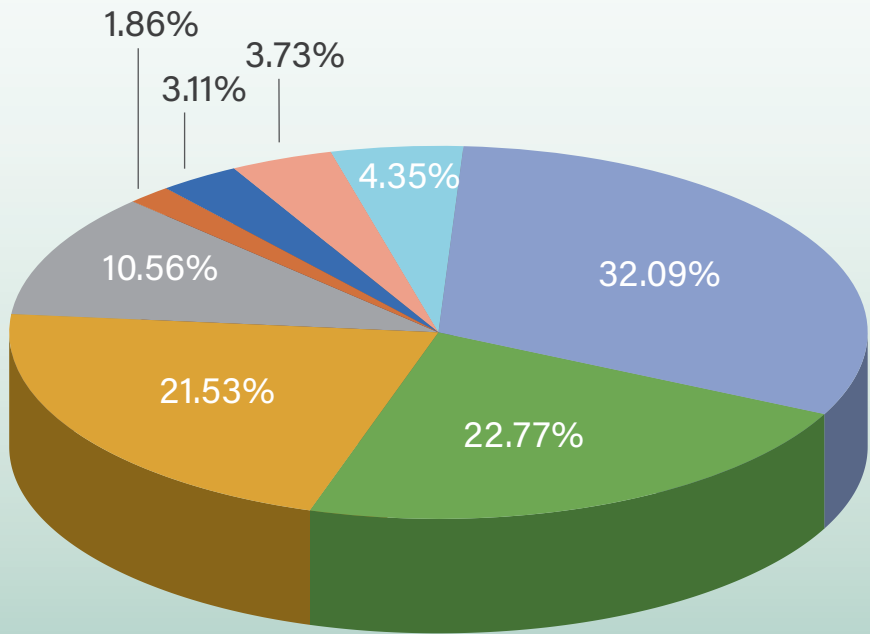
專業觀眾資料及意見反饋

總結由現場收集的專業觀眾問卷答覆，以下為專業觀眾主要意見分析。

Trade Visitor Information and Feedback

From the questionnaire conducted onsite, the followings are some key summaries on trade visitors.

專業地位 Professional Status



- 企業持有人/合夥人/總裁/執行董事
Enterprisers / Business Partners / Company Presidents / Managing Directors
- 高級管理人員（副總裁 / 總經理 / 總監等）
Top Management (Vice Presidents / General Managers / Directors, etc.)
- 中層管理人員（部門主管 / 經理等）
Middle Management (Department Heads / Managers, etc.)
- 行政人員（主任 / 助理等）
Executives (Directors / Assistants, etc.)
- 政府官員 / 公職人員
Government Officials / Public Officials
- 學者
Academics
- 技術專家
Technical Specialists
- 其他
Others

超過50%參與者為高級管理人員職級或以上。

Over 50% of the professional visitors were top management level or above.

2024MIECF 統計數據

2024MIECF in Figures

展覽數據及意見反饋 Exhibition Figures and Feedback

展覽數據及意見反饋 Exhibition Figures and Feedback

- 2024MIECF一連兩天舉行“綠色論壇”共4個專題環節，薈聚海內外39位行業知名專家學者。
- 綠色展覽面積較去年增加兩成達12,000平方米，共設5大展區，逾560個展位，參展商逾400家，其中海外展商按年增加55%。
- 今屆展會吸引超過30個國家和地區的與會客商赴參展參會及參與採購洽談。
- 活動完成逾420場配對洽談，簽約儀式上安排逾40份簽署項目。
- 有9家公司於展會期間落戶澳門。
- Four “Green Forum” sessions were held on two consecutive days during the 2024MIECF, bringing together 39 renowned experts and scholars from home and abroad.
- The exhibition space of the Green Showcase increased by 20% from last year to 12,000 square metres. Over 560 exhibition booths were set up in five exhibition areas. There were more than 400 exhibitors this year, with the number of foreign exhibitors growing by 55% year-over-year.
- International buyers from over 30 countries and regions participated in the 2024MIECF, especially the procurement meetings.
- Over 420 business matching sessions were conducted during the 2024MIECF, and agreements on over 40 projects were signed at the Contract Signing Ceremony.
- Nine enterprises opened businesses in Macao during the event.

○ 展覽面積（平方米）
Exhibition Area (m²) | **12,000**

○ 參展商數目
Exhibitors | **400+**

○ 商業配對數目
Business Matching Sessions | **420+**

○ 簽約項目（份）
Signed Projects | **40+**

2024MIECF 統計數據

2024MIECF in Figures

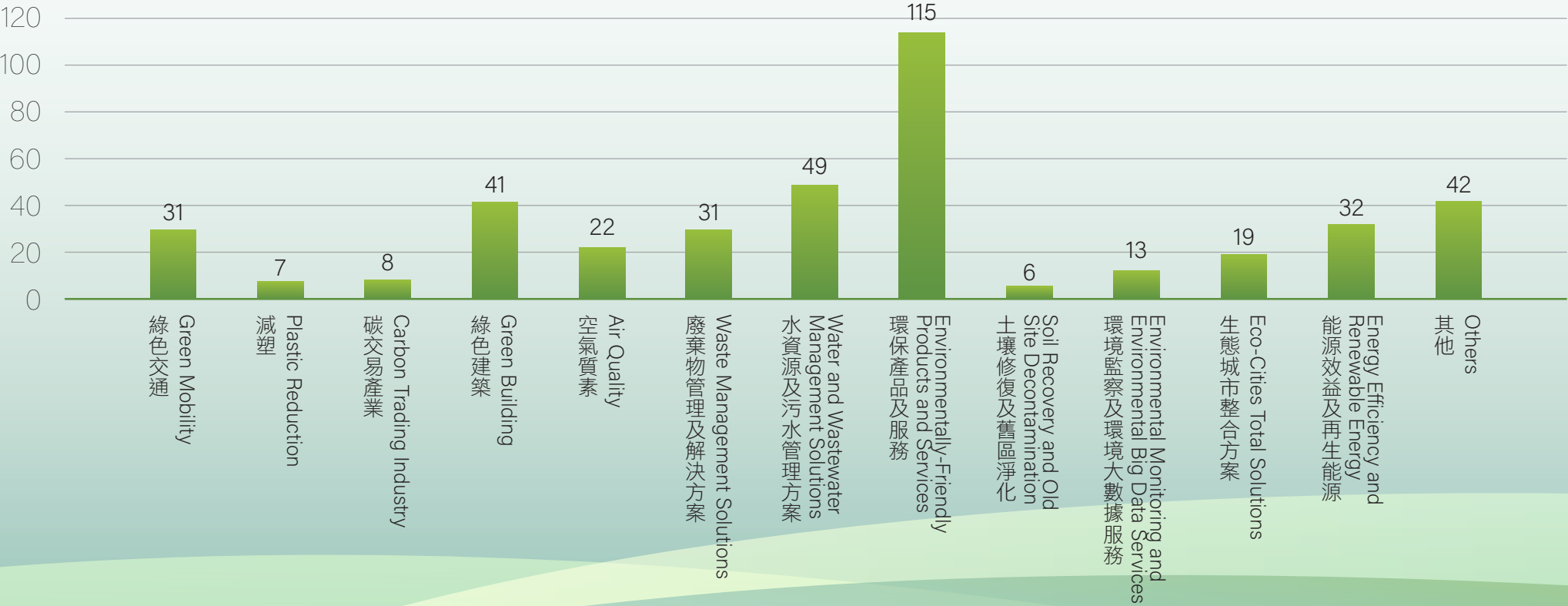
展覽數據及意見反饋 Exhibition Figures and Feedback

參展類別

參展商的展品種類豐富，主要包括綠色交通、減塑、碳交易產業、綠色建築、空氣質素、廢棄物管理及解決方案、水資源及污水管理方案、環保產品及服務、土壤修復及舊區淨化、環境監察及環境大數據服務、生態城市整合方案、能源效益及再生能源等。展覽亦介紹了其他相關環保產品、服務和供應品。

Category of Exhibitors

Exhibitors showcased a wide range of exhibits including Green Mobility, Plastic Reduction, Carbon Trading Industry, Green Building, Air Quality, Waste Management Solutions, Water and Wastewater Management Solutions, Environmentally-Friendly Products and Services, Soil Recovery and Old Site Decontamination, Environmental Monitoring and Environmental Big Data Services, Eco-Cities Total Solutions, Energy Efficiency and Renewable Energy. Other related and environmental materials and supplies were also introduced at the event.



2024MIECF官方承辦單位及項目經理

2024MIECF Host Co-ordinators and Event Manager

2024MIECF官方承辦單位 2024MIECF Host Co-ordinators

澳門特別行政區政府部門：

Government Agencies of the Macao Special Administrative Region:

招商投資促進局

Commerce and Investment Promotion Institute (IPIM)

地址: 澳門湖畔南街中國與葡語國家商貿合作服務平台綜合體辦公樓一至三樓

Add: 1/F and 3/F of the office building of the Complex of Commerce and Trade Co-operation Platform for China and Portuguese-speaking Countries in Rua Sul de Entre Lagos, Macao

電話 Tel: +853 2871 0300

傳真 Fax: +853 2859 0309

電郵 E-mail: ipim@ipim.gov.mo

網址 Website: www.ipim.gov.mo

環境保護局

Environmental Protection Bureau (DSPA)

地址: 澳門馬交石炮台馬路32號至36號電力公司大樓一樓

Add: Estrada de D. Maria II, 32-36, Edifício CEM, 1º andar, Macau

電話 Tel: +853 2876 2626

傳真 Fax: +853 2872 5129

電郵 E-mail: info@dspa.gov.mo

網址 Website: www.dspa.gov.mo

2024MIECF 項目經理：

2024MIECF Event Manager:

澳門博覽集團有限公司

Macao Expo Group Limited

地址: 澳門羅理基博士大馬路223-225號南光大廈13樓K室

Add: Avenida do Dr. Rodrigo Rodrigues, No. 223-225, Nam Kwong Building, 13/K, Macau

電話 Tel: +853 8798 9675

傳真 Fax: +853 2871 5606

電郵 E-mail: info@macaomiecf.com

網址 Website: www.macaomiecf.com

2024MIECF

Macao International Environmental
Co-operation Forum & Exhibition

2024年澳門國際環保合作發展論壇及展覽



主辦單位
Host



中華人民共和國澳門特別行政區政府
Government of the Macao
Special Administrative Region of
the People's Republic of China



關注環保 · 親近自然 · 分享樂活

Thinking Green · Going Clean · Living Cool

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2024年澳門國際環保合作發展論壇及展覽