

OZONACTION'S

2024
WORLD OZONE
DAY REPORTS
ASIA AND THE PACIFIC

Pacific Islands Countries



Cook Islands

Colouring competition | Social media video | Newspaper coverage

Activity category:

- ☒ Education
- ☒ Art and media
- ☐ Community engagement
- ☒ Online

Target audience:

Adults, government workers, teenagers, primary students

Location:

Online and onsite

Budget:

\$5,000 - \$8,000

of participants:

232

To raise awareness of the ozone layer within the local community, the CKI NOU organized several engaging World Ozone Day 2024 activities. These included a newspaper-promoted art competition, an eDM, and a social media reel. The campaign saw high engagement, particularly from primary students, including those in the outer islands, who actively participated in the coloring competition. By offering accessible resources like downloadable templates, the initiative broadened its reach and impact, successfully increasing awareness of the ozone layer and its functions, while also promoting energy-efficient technologies. This success was confirmed by the positive feedback received.



CELEBRATING WORLD OZONE DAY

The Montreal Protocol is rightly hailed as a multilateral success story. It united the world to phase out ozone-depleting substances putting the ozone layer on the path to recovery and protecting all life on Earth. Join the National Environment Service (NES) this World Ozone Day 2024 (28 September 2024) and test your knowledge, learn about the ozone layer and colour in the activity sheets on the bottom half of this page and receive a chance to WIN prizes! Let's continue to work together to protect our planet.

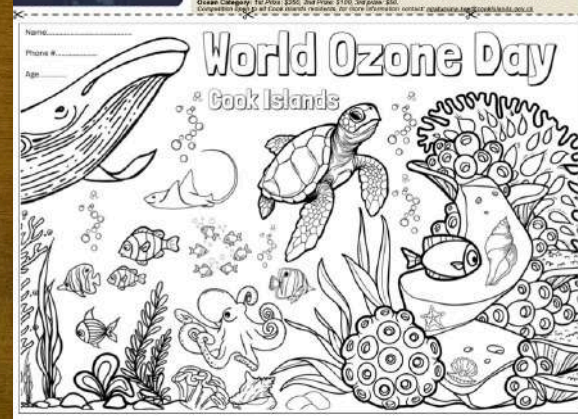
DID YOU KNOW?

- The ozone layer is the Earth's very own pair of sunglasses. It helps protect us from the sun's harmful rays by absorbing most of the dangerous ultraviolet (UV) light.
- The ozone layer is not up high in the sky, about 20 to 30 miles above the Earth's surface. It's part of the atmosphere, which is the layer of gases that surrounds our planet.
- The ozone layer is made of a special kind of gas called ozone (O₃). Ozone is different from the oxygen we breathe because it has three oxygen atoms instead of two.
- Without the ozone layer, we'd get way too much UV radiation from the sun, which could lead to more skin cancer and even increase the risk of skin cancer.
- The ozone layer is always repairing itself. When ozone absorbs UV light, it breaks apart, but then it quickly reforms, so the layer stays strong and keeps doing its job.

recovery awareness
millibyr refrigerant
sustainable stratosphere
ozone depletion
absorption halons
chemical chlorine
environmental
ozone hole
depletion
chemical
fluores
ozone
chlorine
protocol

Celebrate World Ozone Day with a splash of colour & WIN!

Enter our colouring contest for a chance to WIN some cash prizes!
Steps:
1. Colour in the World Ozone Day poster.
2. Drop off your completed artwork with your name, phone number and age to the National Environment Service between 12:00pm and 4:00pm, Monday to Friday, and be in the draw to WIN some awesome prizes.
3. Competition closes 4:00pm, Monday 28th September 2024, winners announced Friday 26th October 2024.
Ozone Category: 1st Prize: \$250, 2nd Prize: \$100, 3rd Prize: \$50.
Competition open to all Cook Islands residents, for more information contact: competition@nes.gov.fj
Winners will be notified by phone or email.





Radio talkshow | Social media campaign | Internal Wellness Competition | Refrigerant Cylinder Recycling Initiative | Facility Monitoring

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

The public, RAC stakeholders

Location:

Online and onsite

Budget:

-

of participants:

-

In 2024, the National Ozone Unit of Fiji commemorated World Ozone Day with a variety of activities despite it falling on a public holiday. Leveraging media and social platforms, the Unit focused on raising awareness about ozone protection among Ministry of Environment and Climate Change officers and the general public. Radio talkback shows educated listeners on the Montreal Protocol, licensing procedures, and current regulations. A social media campaign engaged the public with interesting facts about the Montreal Protocol's impact. Within the Ministry, a wellness competition boosted staff knowledge of refrigerant identification and ozone protection. Furthermore, the Unit partnered with Waste Recyclers Ltd. to launch a refrigerant cylinder recycling initiative, promoting sustainable practices within the refrigeration and air conditioning industry. Finally, the NOU conducted inspections of refrigeration and air conditioning facilities in the Suva area to ensure compliance with refrigerant handling standards.



The Federated States of Micronesia

Ozone day fun walk

Activity category: - Education - Art and media - Community engagement - Online	Target audience:	RAC stakeholders, the public
	Location:	Onsite
	Budget:	-
	# of participants:	-

The Federated States of Micronesia commemorated World Ozone Day 2024 by organizing a vibrant and engaging fun walk event. This event brought together community members of all ages and backgrounds to celebrate the importance of the ozone layer and raise awareness about its protection. Participants strolled along a designated route, enjoying the camaraderie and the opportunity to learn more about the ozone layer, its vital role in shielding life from harmful UV radiation, and the collective actions needed to preserve it. Informative displays and interactive activities were set up along the route, providing participants with key facts about ozone depletion, the success of the Montreal Protocol, and simple steps individuals can take to minimize their impact. The fun walk fostered a sense of community responsibility and inspired collective action towards safeguarding the ozone layer.



Kiribati

School outreach programme | Broadcasting campaign

Activity category: - Education - Art and media - Community engagement - Online	Target audience:	Students, teachers
	Location:	Onsite (3 schools)
	Budget:	-
	# of participants:	-

The Environment and Conservation Division (ECD) commemorated World Ozone Day 2024 with a multi-faceted outreach program. This included three-day school visits to three senior secondary schools in South Tarawa and Betio, and a special one-day visit to Hiram Bingham High School on Beru Island. Led by the Outreach Unit with support from other ECD sections, these visits educated students on the ozone layer, its depletion, and related international agreements. Complementing these efforts, a week-long broadcast campaign further amplified awareness about the ozone layer's vital role in environmental protection. Through these collaborative initiatives, the ECD successfully promoted understanding of this critical environmental issue.



Marshall Islands

Awareness games and quizzes | Video screening

Activity category: - Education - Art and media - Community engagement - Online	Target audience:	RAC stakeholders, Customs officers
	Location:	Onsite
	Budget:	-
	# of participants:	13

The Marshall Islands marked World Ozone Day 2024 with a week-long celebration on Bokan Botin Island, fostering community engagement with a focused group of 13 participants. The event featured keynote addresses from UNEP and EPA officials, underscoring the importance of continued efforts to protect the ozone layer. Participants enjoyed a blend of traditional and ozone-themed games, promoting awareness in an interactive and enjoyable manner. A prominent banner displayed the World Ozone Day theme, further reinforcing the message of ozone layer protection.



Palau

Meeting for RAC Industry and Technicians | One Health Fair Partner

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

RAC experts, technicians, students, teachers

Location:

Onsite

Budget:

\$3,000

of participants:

500+

Palau's National Ozone Unit (NOU) organized two impactful events for World Ozone Day 2024. First, a well-attended meeting with RAC technicians and ODS importers provided updates on the Montreal Protocol and fostered productive discussions on HFC phase-out and reporting procedures. Second, the NOU actively participated in a One Health Fair, engaging the community with informative presentations and interactive games that highlighted the importance of ozone layer protection and the impact of ODS on human health and the environment. Both events received positive feedback, demonstrating the NOU's success in raising awareness and promoting collaboration among stakeholders.



Tonga

Good Servicing Practices for RAC technicians

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

RAC technicians,
importers,

Location:

Onsite

Budget:

-

of participants:

-

Tonga's Department of Climate Change organized a series of events to commemorate World Ozone Day 2024. These events, held throughout the week of September 16th, focused on strengthening Tonga's commitment to the Montreal Protocol, an international treaty aimed at protecting the ozone layer. Consultations were held with various stakeholders, including refrigeration and air conditioning technicians, importers, and customs officials, to discuss best practices, training, and compliance strategies. Key topics included managing HFC quotas, border control of restricted substances, and the overall theme of "Montreal - Advancing Climate Actions" which emphasizes the link between ozone protection and mitigating climate change.



Tuvalu

EIA Awareness to Funafuti Town Council

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

All council members and staffs

Location:

Onsite

Budget:

\$500

of participants:

15

A comprehensive outreach program aimed to empower local communities on environmental issues. Newly recruited Funafuti Town Council members were informed about environmental regulations and grievance mechanisms, while students from pre-school to secondary levels engaged in awareness activities, including creative competitions and a field trip to a waste management facility. A successful beach clean-up campaign mobilized the community and fostered collaboration with the Department of Waste Management to address ocean dumping.



Vanuatu

Promoting gender mainstreaming in the Ozone space for young females.

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

High school girls aged 14 - 18 with local community women

Location:

Onsite

Budget:

\$1,300 - 1,500

of participants:

24

To raise awareness about ozone layer protection, particularly among young women, Vanuatu's NOU conducted a highly engaging workshop for female high school students. The workshop featured presentations on the ozone layer, its depletion, and individual and collective actions for its protection. A female manager from a vocational school inspired the students by highlighting opportunities in refrigeration and air conditioning, a field traditionally dominated by men. The workshop also showcased female success stories in this sector, further encouraging the students. The enthusiastic response from participants, who were eager to learn more and promote ozone protection activities, underscored the effectiveness of this targeted outreach initiative.



South Asian Countries



Bangladesh

School outreach | Children's competitions

Activity category: - Education - Art and media - Community engagement - Online	Target audience:	Children of age 3 to 16 and children with special needs, parents
	Location:	Onsite
	Budget:	\$1,000
	# of participants:	400

To raise awareness about the ozone layer among young people, a children's art competition was held in Dhaka on September 13, 2024. The event saw enthusiastic participation from students aged 3 to 16, including children with special needs, who showcased their understanding of ozone layer protection and climate change through art. The competition fostered engagement and generated positive feedback from both students and parents, successfully raising awareness about the importance of environmental protection. The organizers plan to hold similar events in the future, demonstrating a commitment to continued education and engagement on this critical issue.



Bhutan

Media campaign | Art competition | Ozone Exhibition

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

Students with Special Education Needs (SEN), media persons, general public

Location:

Online and onsite

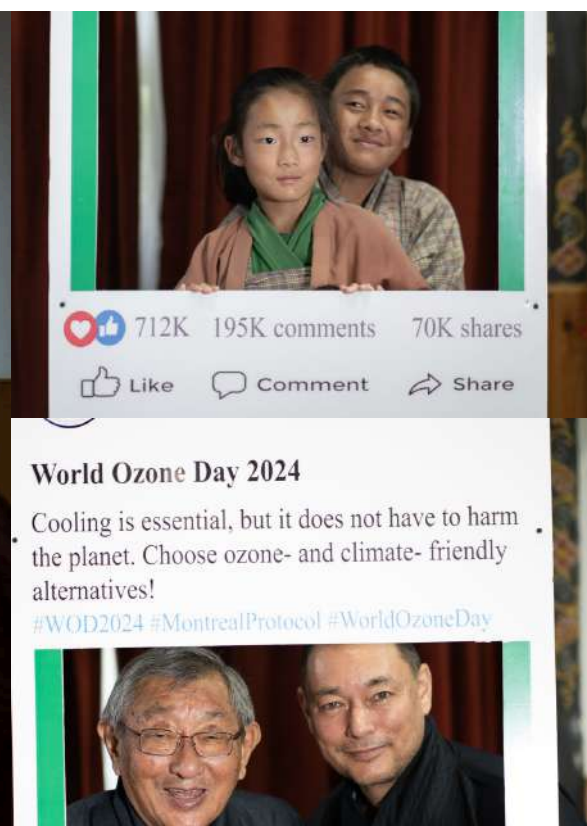
Budget:

\$1,000 - \$2,000

of participants:

100

Bhutan's National Ozone Unit (NOU) organized a multifaceted campaign to raise awareness about the country's transition to HFCs and natural-based systems. This included a media campaign disseminating information on HCFC phase-out timelines, prohibited substances, and stakeholder partnerships. Additionally, an art competition engaged students with special educational needs (SEN), their families, and teachers in promoting ozone protection. The campaign effectively increased awareness among end-users, with 90% acknowledging the importance of informed refrigerant choices. By highlighting the role of consumers in driving demand for ozone-friendly and energy-efficient equipment, the NOU fostered a sense of shared responsibility in protecting the ozone layer.



India

Awareness seminar | Art competition | Digital media coverages

Activity category:

- ☐ Education
- ☒ Art and media
- ☒ Community engagement
- ☒ Online

Target audience:

Young adults/students, RAC stakeholders, member of general public

Location:

Online and onsite

Budget:

-

of participants:

-

India NOU actively engaged in a multifaceted campaign to commemorate World Ozone Day 2024. Central to their efforts was an art competition designed to involve students and raise awareness about ozone layer protection among younger generations. Furthermore, the NOU hosted a large-scale seminar that drew a significant audience, providing a platform for in-depth discussions on the Montreal Protocol and its implications for India. The seminar facilitated knowledge sharing and fostered collaboration among stakeholders. Complementing these activities, the NOU secured extensive digital media coverage across India, effectively disseminating information about the Montreal Protocol and its successful implementation within the country.



Iran

Coordination meeting | Media engagement | Drawing competition | SMS campaign

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

NGOs, RAC technicians, media, Vocational training organization, RAC sale union

Location:

Online and onsite

Budget:

-

of participants:

150-200

Iran celebrated the 37th anniversary of the Montreal Protocol on September 26, 2024, with a ceremony at the Department of Environment (DoE). The event was attended by government officials, industry representatives, and NGOs, and included presentations on Iran's progress in phasing out ozone-depleting substances. Speakers highlighted achievements in reducing harmful substances, implementing training programs, and complying with international obligations. The ceremony also included the announcement of the winners of a special World Ozone Day contest and a display of artworks from the UNEP art competition.



Maldives

Social media campaign | TV program | Art competition | Awareness session with Maldives Scout and Guide Fellowship

Activity category: - Education - Art and media - Community engagement - Online	Target audience:	Members of general public
	Location:	Online
	Budget:	-
	# of participants:	-

The Maldives celebrated World Ozone Day 2024 with a social media campaign and an art competition aimed at raising awareness about the impact of HFCs on climate change. The campaign highlighted the Maldives' achievements in phasing out ozone-depleting substances and encouraged the transition to low-GWP alternatives and energy-efficient appliances. The art competition engaged children aged 6 to 16, prompting them to creatively explore the theme of "Protecting the Ozone Layer for a Healthier Planet."



Mongolia

Climate friendly picnic | Social media campaigns | Workshop | Press conference | Photobooth

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

College students, lecturers, MAC/RAC technicians, importers, stakeholders, government officials

Location:

Online and onsite

Budget:

\$1,000 - \$2,000

of participants:

157

To raise public awareness about World Ozone Day 2024, NOA Mongolia organized a selfie contest and public awareness campaign. The selfie contest engaged participants through social media, encouraging them to share photos with #GSP4OZONE photo frames. Informative videos and posters were displayed at shopping malls to reach a wider audience. The contest saw high participation, particularly from younger generations, increasing visibility and awareness of ozone layer protection. The mall displays reached an estimated 10,000 shoppers, educating them about ozone-depleting substances and promoting climate-friendly practices. The campaign significantly impacted awareness and encouraged NOA to explore further social media and public awareness initiatives.



Nepal

School outreach | Rally | Competitions and awards

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

6 government schools,
RAC association, local
community members

Location:

Onsite

Budget:

-

of participants:

-

Nepal's National Ozone Unit (NOU) organized a series of events to celebrate World Ozone Day 2024, focusing on raising awareness among students and local communities. The NOU conducted drawing and speech competitions with six government schools, involving students in grades 8-10. On World Ozone Day, a rally was held with participation from schools, industry associations, and local communities, culminating in a gathering at the NBSM hall. The event featured speeches on ozone layer protection and concluded with awards for the competition winners, distribution of Ozone Diaries, and refreshments for all participants.



Pakistan

Awareness seminar | Networking session | Media coverages

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

Public and private sector stakeholders, RAC association, civil society, academia

Location:

Onsite

Budget:

-

of participants:

50

Pakistan's Ministry of Climate Change and Environmental Coordination (MoCC&EC) celebrated World Ozone Day 2024 with an awareness-raising event focused on the theme "Montreal Protocol: Advancing Climate Action". The event brought together representatives from various sectors to discuss Pakistan's achievements in phasing out ozone-depleting substances and the importance of continuing these efforts to mitigate climate change. Key topics included the science of ozone depletion, energy efficiency, and the adoption of new refrigerants. The event also highlighted the need for collaboration among stakeholders, including government, industry, and academia, to ensure the successful implementation of the Montreal Protocol and its Kigali Amendment.



Sri Lanka

Colouring competition | Social media video | Newspaper coverage

Activity category: - Education - Art and media - Community engagement - Online	Target audience:	Students from technical college, government officials, private sector stakeholders
	Location:	Onsite
	Budget:	\$10,000
	# of participants:	325

Sri Lanka celebrated World Ozone Day 2024 with an event themed "Montreal Protocol: Advancing Climate Action," featuring presentations on ozone layer protection and the refrigeration and air conditioning sector. The event included cultural performances, awards for a refrigerant recovery machine competition, and the introduction of ID cards and NVQ Level 3 certificates for technicians. Interactive activities like a sidewalk event and photo booth engaged participants, and cherry plants were distributed to promote sustainability. The event enhanced knowledge of ozone layer protection and climate change mitigation, with attendees committing to adhere to best practices in the refrigeration and air conditioning sector.



Southeast Asian Countries



Brunei

Awareness Roadshow on the Montreal Protocol to Chief and Head of Villages across Brunei Darussalam

Activity category:

- ☐ Education
- ☐ Art and media
- ☒ Community engagement
- ☐ Online

Target audience:

Chiefs of villages, Head of villages and members of village association

Location:

Onsite

Budget:

\$17,000 - \$20,000

of participants:

450

Brunei Darussalam's National Ozone Unit conducted a successful roadshow to raise awareness about ozone layer protection and the Montreal Protocol. The roadshow engaged chiefs of villages, heads of villages, and village association members through talks, dialogues, and interactive quizzes. Key topics included the role of the Montreal Protocol, safe handling of flammable refrigerants, the importance of certified technicians, and energy efficiency. The roadshow generated enthusiastic participation and positive feedback, with attendees demonstrating a strong understanding of the presented information. Many requested further presentations and materials to share within their communities, indicating a heightened awareness and interest in ozone protection.



Cambodia

Celebration ceremony

Activity category: - Education - Art and media - Community engagement - Online	Target audience:	Students
	Location:	Online and onsite
	Budget:	-
	# of participants:	-

Cambodia celebrated World Ozone Day 2024 with a ceremony themed "Montreal Protocol: Advancing Climate Action." The event highlighted the success of the Montreal Protocol in phasing out ozone-depleting substances and its contribution to mitigating climate change. The Cambodian Minister of Environment emphasized the importance of the ozone layer, the threats it faces, and the country's commitment to fulfilling its obligations under the Montreal Protocol. He also highlighted the Kigali Amendment, which aims to reduce hydrofluorocarbons (HFCs), potent greenhouse gases. Cambodia reaffirmed its dedication to protecting the ozone layer and combating climate change through collaborative international efforts.



Lao PDR

Ice cream masterclass | Ozone Layer Awareness

Activity category: - Education - Art and media - Community engagement - Online	Target audience:	High school students aged 14-18
	Location:	Onsite
	Budget:	\$4,000 - \$8,000
	# of participants:	250

To raise public awareness about the Montreal Protocol and celebrate World Ozone Day, engaging activities were organized. These included presentations on ozone layer protection and refrigeration technologies, an ice-cream master class, an interactive game with "ozone-protection" messages, and distribution of informative materials and promotional t-shirts. The events successfully encouraged active participation, particularly from students who eagerly engaged in Q&A sessions. As a result, participants gained a deeper understanding of the ozone layer, ODS refrigerants, and ozone-friendly alternatives, inspiring them to be part of ozone and climate action.



8 | Business | Tuesday September 17, 2024

Laos marks World Ozone Day, themed “Montreal Protocol – Advancing Climate Action”



Members of the Lao National Ozone Unit join students and teachers at Naxaithong Secondary School in Vientiane at an event to mark World Ozone Day.

Advertorial Desk

The Lao National Ozone Unit, part of the Department of Climate Change under the Ministry of Natural Resources and Environment, recently organised a special event at Naxaithong Secondary School in Vientiane to commemorate World Ozone Day 2024, which is observed globally on September 16.

This year's theme, “Montreal Protocol: Advancing Climate Action”, highlights the critical role of the ozone layer and the global



Philippines

PODe Pala seminar | Climate Classmate | Awareness session

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

Climate advocates, importers, suppliers, dealers, retailers, service providers, government officials, students

Location:

Onsite

Budget:

\$9,000

of participants:

190

The Philippine Ozone Desk (POD) organized a series of engaging events to raise awareness about ozone layer protection and climate action. A seminar entitled "PODe Pala" brought together stakeholders from various sectors to discuss alternatives to harmful substances and promote ozone-friendly practices. The "Climate Classmate" forum fostered collaboration between government agencies and environmental advocates, creating a platform for dialogue and joint action. Finally, "In The oZONE," an interactive game-based activity, engaged students and teachers in a fun and informative way, deepening their understanding of ozone layer and climate issues. These initiatives successfully promoted awareness, collaboration, and action towards a more sustainable future.



Thailand

International Ozone Day Press Conference

Activity category: - Education - Art and media - Community engagement - Online	Target audience:	Government officials and relevant agencies
	Location:	Onsite
	Budget:	\$29,000
	# of participants:	200

To raise awareness about ozone conservation and climate change, Thailand held a press conference highlighting the benefits of ratifying the Kigali Amendment to the Montreal Protocol. The event, held on April 3, 2024, focused on educating participants about the importance of reducing hydrofluorocarbons (HFCs) and their impact on the ozone layer and climate. The well-organized and visually appealing venue attracted significant attention, contributing to the overall success of the event. As a result of the press conference, participants gained a better understanding of Thailand's commitment to the Kigali Amendment and its implications for the country's environmental future.



Vietnam

30 years of implementing Montreal Protocol | Ozone Layer Workshop

Activity category:

- Education
- Art and media
- Community engagement
- Online

Target audience:

Local communities, government officials, enterprises, lecturers, students

Location:

Online and onsite

Budget:

\$17,000

of participants:

570

Vietnam celebrated 30 years of implementing the Vienna Convention and Montreal Protocol with two impactful World Ozone Day 2024 events. A workshop engaging 250 representatives from ministries, associations, and enterprises focused on legal regulations, sustainable cooling, and technology conversion. Additionally, a highly interactive workshop targeting students and lecturers fostered awareness of ozone layer protection through presentations, Q&A sessions, and engaging activities like quizzes and a lucky wheel. This student-focused event saw enthusiastic participation, with 100% of attendees actively engaged, and resulted in increased awareness and commitments to ozone-friendly practices. The success of both events underscored Vietnam's commitment to ozone layer protection and its innovative approach to public outreach and education.



MONTREAL PROTOCOL: ADVANCING CLIMATE ACTION

2024 WORLD OZONE DAY REPORTS

ASIA AND THE PACIFIC