



LEADERS IN OZONE LAYER & CLIMATE PROTECTION



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Montreal Protocol 2023 Nairobi, Kenya



NAIROBI, KENYA
23-27 OCT 2023

MOPIA is once again participating at the Montreal Protocol Meeting of the Parties (MOP). This year's meeting is being held in the UN Environment Programme's (UNEP) headquarters in Nairobi, Kenya. MOPIA has sent two representatives (Mark Miller and Kent Cielen) to attend on MOPIA's behalf and gather important information. A detailed summary of their activities will be available in November's bulletin.

MOPIA Training Continues

MOPIA continues to offer training online and by correspondence. On site in person training may also be arranged for groups that are over 8 people.

MOPIA is looking at natural refrigerant training options with HRAI Canada as well as Studio Galileo. This includes training on the use of refrigerants beyond HFCs and high GWP refrigerants such as hydrocarbons, carbon dioxide and ammonia. These efforts will continue and be shared with our stakeholders.

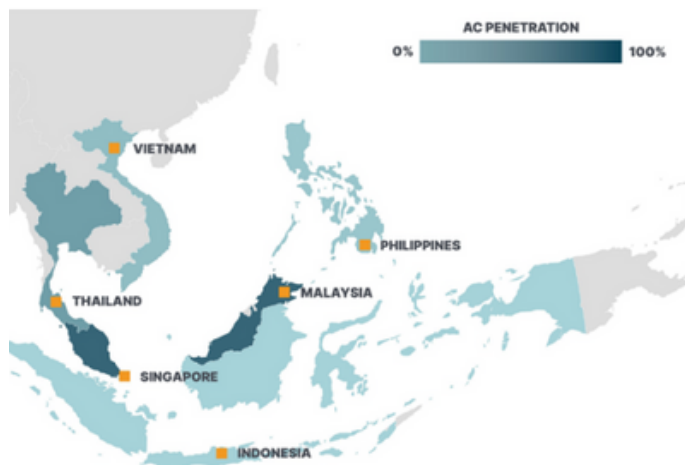
Contact MOPIA for more details at mopia@mopia.ca or (204) 338-2222



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Dumping of Low-Efficiency AC Units



A new research article from CLASP has revealed that a massive number of inefficient air conditioning units are imported or manufactured for use in Southeast Asian Countries. Air conditioning for residential uses is relatively new to Southeast Asia, however, due to climate change and the increasing temperatures in the region, demand for AC has increased exponentially. To capitalize on this opportunity, Multinational Companies have been dumping very low efficiency air conditioning units to countries like The Philippines, Indonesia, Malaysia, Vietnam, Thailand and Singapore.

Although these companies from Japan, South Korea, China and the United-States manufacture high efficiency units for the developed world, they have resorted to old and inefficient technologies in Southeast Asian countries in order to make a greater profit. These inefficient units are made with regulated and outdated HFC refrigerants such as R410A.

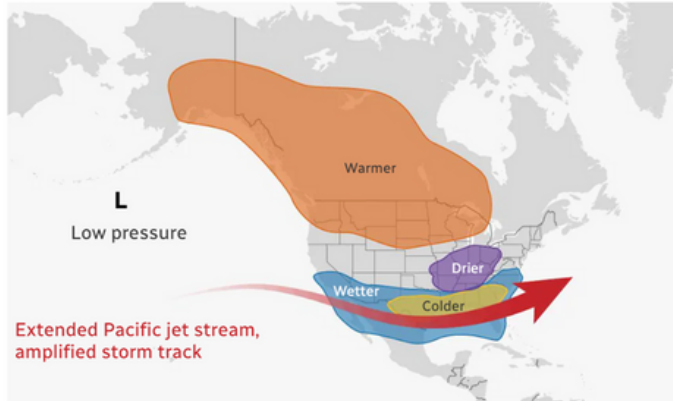
To view Clasp's report:
<https://www.clasp.ngo/research/all/pathways-to-prevent-dumping-of-climate-harming-room-air-conditioners-in-southeast-asia/>

MOPIA

Manitoba Ozone Protection Industry Association

El Nino's Return

Approximate wintertime El Niño weather patterns



El Niño is a naturally occurring climate pattern that is caused by the warming of the ocean surface temperatures in the eastern and central Pacific Ocean. This occurrence only happens once out of every 2-7 years and lasts anywhere between 9-12 months, this is the first time in 7 years that it will affect Canada with a warmer winter than expected. Due to climate change warming the Earth and the immense amount of CO₂ in the atmosphere, we can expect a 1-5°C warmer than an average Canadian Winter.

<https://www.cbc.ca/news/climate/el-nino-wmo-canada>
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Manitoba's New Environment and Climate Change Minister

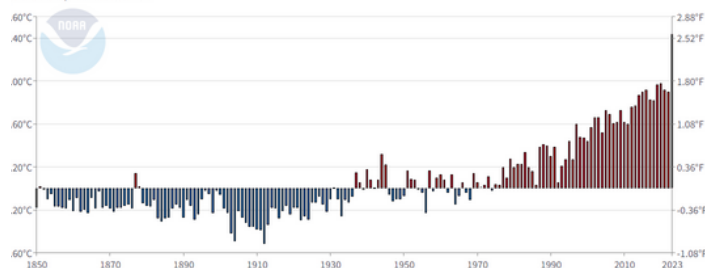
Manitoba has a new Minister of Environment, and Climate, Hon. Tracy Schmidt. She will also be responsible for Efficiency Manitoba. MOPIA is excited to continue working with the Minister to work towards mitigating climate change and improving environmental outcomes in the province.



September Breaks Heat Records

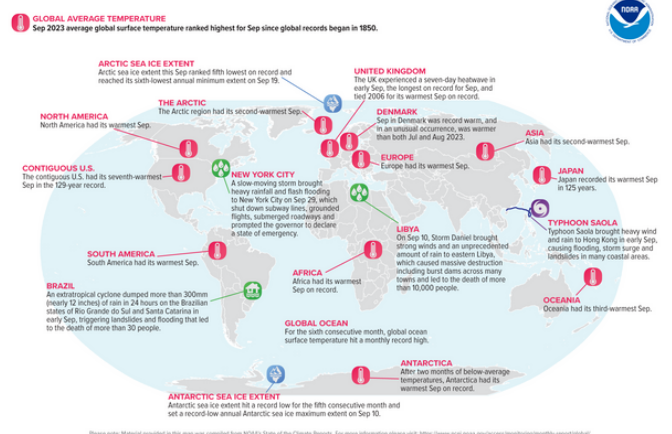
September 2023 has been the hottest September in 174 years according to NOAA's (National Oceanic and Atmospheric Administration) global climate record. In addition, NOAA stats indicate that 2023 is likely to be entered as one of the warmest years they have on record. Scientist Dr. Sarah Kapnick shares her findings in the article saying, "It was far and away the most atypically warm month of any in NOAA's 174 years of climate keeping. To put it another way, September 2023 was warmer than the average July from 2001-2010."

Global Land and Ocean
September Temperature Anomalies



September Climate Anomalies

Selected Significant Climate Anomalies and Events: September 2023



<https://www.ncei.noaa.gov/access/monitoring/monthly-report/global/202309>

