22 FEBRUARY 2022, TUESDAY

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STRATEGIC COMMUNICATION AND INITIATIVES SERVICE



DENR to create bamboo forest in Marikina Watershed

Rhodina Villanueva, Elizabeth Marcelo - The Philippine Star

MANILA, Philippines — The Department of Environment and Natural Resources (DENR) has partnered with non-government organizations to transform 20 hectares of the Marikina Watershed into a bamboo forest.

In a memorandum of agreement signed last week, the DENR Calabarzon office, Rotary International District 3830, Samahang Kawayan ng Karugo Agri Farmers Association and Philippine Bamboo Foundation Inc. committed to implement a program, which aims to rehabilitate the Marikina Watershed through the use of bamboo planting materials.

"Bamboo is not just an alternative to construction materials but it also helps in mitigating climate change. This is why I am pushing for the creation of mini bamboo forests in the country, which will also spur a vibrant bamboo lumber industry," former DENR secretary Roy Cimatu said during the program launching on Feb. 16.

Cimatu has resigned as environment secretary due to health reasons.

Under the agreement, the initial phase of the program involves the establishment of a nursery where the bamboo planting materials will be nurtured over six to eight months.

The second phase will be the transplanting of the grown bamboo plants within the 20 hectares of the Marikina Watershed.

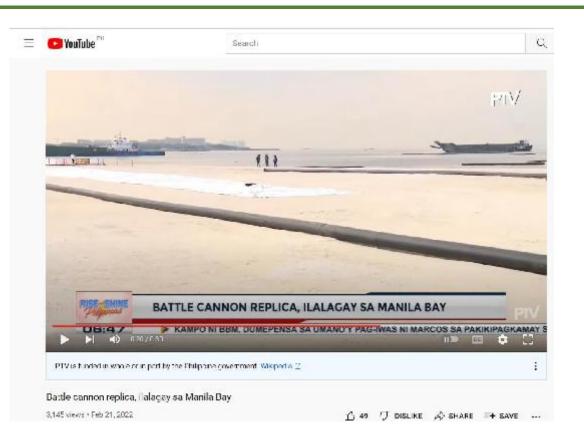
DENR Calabarzon executive director Nilo Tamoria said the planting of bamboo would be "instrumental in achieving the total rehabilitation of the Marikina Watershed."

The DENR and the Rotary International District 3830 turned over checks amounting to P1 million to Samahang Kawayan ng Karugo Agri Farmers Association to fund the Marikina Watershed rehabilitation project.

Rotary International District 3780 provided checks for P500,000 to fund the creation of a 10-hectare bamboo nursery site in Barangay Puray, Rodriguez, Rizal.











Group: DENR-Davao has yet to order suspension on cutting of century-old trees

RALPH LAWRENCE G. LLEMIT



THE Department of Environment and Natural Resources (DENR)-Davao Region has not yet issued a formal suspension order on the cutting of century-old trees in Mounts Makabol-Alikoson Conservation Area (MMACA) in Barangay Salaysay, Marilog District despite its earlier promises, an environmental group said.

In a letter submitted to recently-resigned DENR Secretary Roy Cimatu, the Sustainable Davao Movement (SDM) appealed to the department to declare forest conservation, particularly those in the MMACA.

SDM is composed of various groups, namely the Philippine Eagle Foundation (PEF), Interfacing Development Interventions for Sustainability (Idis), Ecoteneo, volunteers groups from Makabol, and support members of the Davao Association of Catholic Schools (Dacs).

This is in relation to the DENR-Davao response to the letter of Davao City Mayor Sara Duterte-Carpio, who supported the cancellation of the timber cutting permit released to landowner Ling Ling Wu Lee covering the cutting down of 121 old-growth forest trees in the Makabol-Alikoson water.

The group said this is notwithstanding the "voluntary cessation" of cutting by the landowner, as per DENR-Davao letter or the expiry of the permit in January 2022.

In the letter of the DENR-Davao, the group said "the office appears to justify" its action, stating that they are not aware that the area is included in the Watershed Code of Davao, and that they are not aware of data pertaining to the nesting trees, as shared by PEF, and they are also not privy to the metes and bounds of the declared conservation areas, as per the Watershed Management Code.

The group said the implementing rules and regulations of the Watershed Code had been released as early as January 7, 2009, where the MMACA was delineated and included.

SDM also said the community is aware of the nesting trees, which are a hundred meters proximate to the trees to be cut because they have been guarding or monitoring the Philippine Eagle for decades.



The Watershed Management Council issued a resolution on January 28, 2021, denying the permit application because the cutting down of trees for a planned banana plantation is not consistent with a watershed reserve area. This resolution was received and acknowledged by DENR last March 5, 2021.

"Information was available and accessible, with minimum due diligence. With maximum participation and consultation, the permitting process could have been consistent with the mandate of the Department of Environment and Natural Resources," the group said.

During local community consultations that followed the request for cancellation, the community expressed its concern about the situation.

"They had known only of the project when activities were underway and the trees were already being prepared for cutting (marking, hacking with bolo). It appears that a genuine consultation with the local community was amiss," the group said.

The landowner's legal representative, during the consultation, said the trees were old and ripe for cutting and the cutting will be replaced anyway by the planting of seeds.

In a letter from DENR-Davao, Executive Director Bagani Fidel Evasco informed the City Government that the owner will be required to pay P160,255 for forest charges for every cubic meter of timber harvested.

The flooding incident in October 2021, according to SDM, cost the city P3.435 million.

"We are painfully aware that the overflowing of rivers and creeks can be attributed not only to quarrying but land misuse/mismanagement in the uplands and the decimation of our remaining forest cover," SDM said.

The group appealed that the area should be permanently excluded from timber cutting, agricultural use and any form of development that is inconsistent with its classification as an Environmentally Critical Area and Conservation Zone under the city's Watershed Code.

It also appealed that a dialogue should be opened and continued with private landowners, local and national government on critical areas such as the MMACA to come up with joint management plans/actions that will be beneficial for the public.

"We hope that the plan to increase forest cover includes a plan not to decrease forest cover further," SDM said.

Idis Executive Director Mark Peñalver said during an online forum that they are hoping that no more tree-cutting permits will be issued in the protected areas.

DENR-Davao has yet to issue a statement on the matter.

Source: https://www.sunstar.com.ph/article/1921560/davao/local-news/group-denr-davao-hasyet-to-order-suspension-on-cutting-of-century-old-trees





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PH urged to take a strong stand vs plastic pollution in UN assembly in Kenya

Published February 21, 2022, 7:03 PM by Faith Argosino

At least three environmental groups are urging the Philippine government to negotiate for a strong treaty that will address worldwide plastic pollution in the 5th United Nations Environment Assembly (UNEA-5.2) in Kenya.

In a joint statement, the EcoWaste Coalition (EWC), the Interfacing Development Interventions for Sustainability (IDIS), and the Mother Earth Foundation (MEF) have expressed their support for a robust negotiation during the assembly that will be attended by 190 countries.

"All eyes will be on UNEA-5.2 to see how governments, including our own, will come to an agreement on a robust negotiation mandate that will speed up not decelerate the required global action to stem the tide of toxic plastic pollution," EWC National Coordinator Aileen Lucero said.

She said that an ideal treaty should focus on the entire plastic lifecycle, not limited to marine litter, banning toxic chemical additives in plastic, and prohibiting polluting waste treatment or disposal methods.

Meanwhile, MEF Chairman Sonia Mendoza said that "a strong treaty should cut down on plastic manufacturing since its unrestrained production translates to the use of fossil fuels and toxic chemical additives."

Aside from pushing for a strong treaty, the groups also urged the Department of Environment and Natural Resources (DENR) to carry out policies and regulations that will reduce plastic pollution at the source. They also highlighted the need for Congress to pass legislation banning single-use plastics and impose Extended Producer Responsibility (EPR).

In line with the Republic Act (RA) 9003 or the Ecological Solid Waste Management Act, they also reminded the National Solid Waste Management Commission (NSWMC) to issue its list of non-environment friendly products for prohibition and phase-out.



The Manila Times

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Headline Editorial Column Opinion Feature Article

Former Hermosa landfill operator faces raps

HERMOSA, Bataan — The Regional Trial Court Branch 96 of Dinalupihan has ordered the arrest of Atty. Beulah Coeli Fiel, president of the Econest Waste Management Corp., for storing toxic and hazardous materials at the Hermosa Sanitary Landfill.

Presiding Judge Hon. Amelita Cruz Corpuz issued the warrant of arrest on 14 February against the former operator of the Hermosa Sanitary Landfill.

To recall, the local government of Hermosa charged Fiel for violating Section 13 of Republic Act 6969 or the Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990.

The case stemmed from the toxic and hazardous materials that the Econest Waste Management Corp. received when the company was still operating the landfill.

Numerous inspections were conducted by the Environmental Management Bureau of the DENR, ordering the Econest Waste Management Corp. to rehabilitate the said landfill, return the area back to its original state and pay the administrative penalty of P150,000. JONAS REYES



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Philippine Eagle rescued

The eagle underwent an immediate surgical operation on its injured right wing since the bacterial infection was already spreading beyond its injured body parts

BY NONOY E. LACSON

ZAMBOANGA CITY – A wounded female Philippine eagle (*Pithecophaga Jefferyi*) needing immediate surgery was rescued by a resident of Marogong in Lanao del Sur and was turned over to proper authorities.

Bangsamoro Autonomous Region in Muslim Mindanao (BARMM) environment officer Benjamin Alangca said that the resident – identified as Hadji Solaiman Olama – found the injured eagle a the forested areas of Marogong on 9 February.

Olama immediately informed the office of the Ministry of Environment and Natural Resources about his discovery for the protection and safety of the eagle.

After the turnover, the eagle underwent an immediate surgical operation on its injured right wing since the bacterial infection was already spreading beyond its injured body parts.

Dr. Anita Chua, a veterinarian specialist of the

Regional Wildlife Rescue Center of Zamboanga del Sur Province, Community Environment and Natural Resources Office conservation and development section and Department of Environment and Natural Resources-9 technical personnel, treated the wound.

Chua said the Philippine Eagle has a wingspan of 51 centimeters and a weight of 5 kilograms.

After administering medical aid, the eagle was immediately turned over to the Philippine Eagle Foundation in Davao City to perform additional medical procedures.

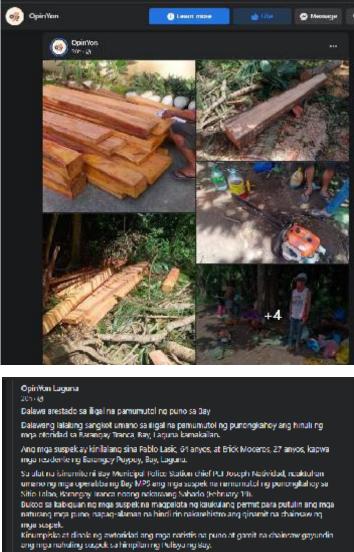
"It was the first time that we found and rescued an injured Philippine Eagle and it signifies that the BARMM have a vast environment and natural resources," Alangca said.

Meantime, Ecosystems, Research and Development Services Director of Biodiversity Mohamad Ali Dimaren said that the incident proves that there is the presence of the Philippine Eagle in the Bangsamoro region.





Headline Editorial Column Opinion Feature Article



Nal aharap ang dalawa sa kasang paglabag sa Presidential Dearce No. 705 (Forestry Reform Code of the Philippines) at Republic Act No. 9175 (Chainsaw Act of 2002).

(Ulat mula sa Laguna Provincial Police Office)



Source: https://web.facebook.com/168722493140749/posts/5187132427966372/?app=fbl&_rdc=1&_rd r



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Liberal mining policies to lure foreign investors back to PHL–COMP

BY**JONATHAN L. MAYUGA**



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WITH the recent policy moves by the Duterte administration, the mining industry's big players said the Philippines is back on the radar of foreign mining investors.

Chamber of Mines of the Philippines chairman Michael T. Toledo said for one, Australian investors welcomed the recent decisions of the Philippine government to ease mining policies, raising the possibility of a renewed influx of foreign capital in the sector.

"Recent policy moves by the Philippine government are expected to boost investor confidence in its mining sector while unlocking the country's vast mineral resources responsibly and equitably," Toledo said.

Toledo is currently the chief operating officer of Silangan Mindanao Mining Co., a wholly-owned subsidiary of Philex Mining Corp.

Mining is a pillar of Australia's economy, Toledo noted, and industry there is showing signs of potential boom, with investments surging and metal prices still soaring.

In separate statements, The Philippines-Australia Business Council (PABC) and Australia Philippines Business Council (APBC) said recently that the consecutive decisions of the Department of Environment and Natural Resources (DENR) to lift the 4-year-old ban on open pit mining for the extraction of copper, gold, silver, and complex ores, and the removal of the moratorium on new mineral agreements between the government and private contractors, are clear signals that the Philippine mining sector is again open for business for local and foreign direct investment.

"This is good news for the mining sector which hasn't seen any major investments since 2016 due to tighter government regulation. Renewed investor interest in mining could lead to fresh capital inflows that could unleash the industry's huge potential," Toledo said.

Since the government tightened mining rules, only Philex has decided to go ahead with its investment plan to develop, beginning this year, a starter mine that would cost \$224 million. The Silangan copper-gold prospect in Surigao del Norte is expected to produce gold and copper in early 2025.

5th-most mineralized

The Philippines is the fifth-most mineralized country in the world, with the third-largest deposits of gold, fourth for copper, and fifth for nickel. Around one-third of the country's land area has mineral potential but only one-tenth of that is covered by mining tenements.

Estimated to be worth around \$1 trillion in value, these resources remain underground.

"Mining is one industry that truly highlights the complementarity between Australia and the Philippines," said APBC President Rene Cabrera in a statement.



"The Philippines has vast untapped natural resources; Australia is a global expert in minerals development and production underpinned by responsible mining practices sought by the Philippine government and community. The potential for rewarding opportunities has always been there," he added.

Philex had initially sought foreign investors to fund a grander development of Silangan, but failed to find one largely because of uncertainty in government policy. Philex will issue stock rights, use reserve funds and borrow from banks to fund the Silangan project.

Toledo said, however, that Philex isn't closing its doors to investors, both local and foreign, who may want to infuse fresh for the development of the Silangan project. "It now depends on valuation and commercial terms, compliance with government regulations, and the strategic value that the potential investors will bring into the success of Silangan." he said.





SAKSI





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Subsidies are slowly killing biodiversity

A RECENT study by a group of subsidies experts reinforces concerns that financing projects that are meant to sustain biodiversity are doing more harm than good.

According to the study, at least \$1.8 trillion is spent every year on subsidies that subvert their intended goals. Tax breaks for beef production in the Amazon and financial aid for unproductive irrigation in the Middle East are among the most glaring examples the study cited.

A United Nations report last year also found that almost 90 percent of subsidies to farmers every year damage people's health, fuel climate crisis, destroy nature and drive inequality by excluding small farmers.

The fossil fuel industry, however, is the biggest culprit with counterproductive subsidies totaling \$620 billion. The agricultural sector is not too far behind with \$520 billion, with water accounting for \$320 billion and forestry, \$155 billion.

The report did not include mining, long considered to be a major contributor to ecosystem destruction.

Governments that parcel out subsidies without proper screening and follow-up strategy share the blame, the study noted.

The businesses that benefit from subsidies are guilty as well. In an online article in The Guardian, Eva Zabey, executive director of Business for Nature, lamented that many businesses "are benefiting from these environmentally harmful subsidies."

"Typically, the subsidies were established with good intentions in mind. We need to level the playing field because right now, some are benefiting from a head start when it should be the other way round. It's a wicked problem," Zabey added.

The fossil fuel industry immediately springs to mind whenever we dissect the problem of harmful subsidies. Many governments are generous in subsidizing the sector through tax breaks and production credits. The Organization for Economic Cooperation and Development found that subsidies in the fossil fuel sector rose by 30 percent in 2019. That's not an encouraging outlook, according to the International Monetary Fund.

Subsidies may protect consumers by keeping prices low, "but they also come at a high cost," the IMF warned. "Subsidies are expensive for governments — and therefore, taxpayers — to finance and can hinder governments' efforts to reduce budget deficits. They also compete with other priority public spending on roads, schools and healthcare."

The environmental cost is equally worrisome. Despite the financial boost, the industry has failed dismally to reduce carbon emissions. The report's authors are calling on governments to agree to stop all harmful subsidies by the end of the decade. There is a chance to make that push during the biodiversity summit in China later this year, where companies will be asked to reveal the subsidies they receive as part of environmental disclosure reporting.

Christiana Figueres, who headed the UN climate convention in 2016 that produced the Paris Agreement on capping temperature rise, agreed it's time for drastic measures.

"Harmful subsidies must be redirected towards protecting the climate and nature, rather than financing our own extinction," Figueres said.

Subsidies have to be redirected, repurposed or done away with to free up more funds to prevent further biodiversity loss.

The IMF said the fiscal, environmental and welfare gains from removing harmful subsidies are substantial. But it also acknowledges that getting rid of the subsidies will be a herculean effort.



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As early as 2009, the Group of 20 sounded the call to phase out ineffective fossil fuel subsidies. The response was lukewarm, and the IMF explained why: "When reforms are made, prices increase, and this has often led to widespread public protests."

It added: "The absence of public support for subsidy reform is in part due to a lack of confidence in the ability of governments to shift the resulting budgetary savings to programs that would compensate the poor and middle class for the higher energy prices they face."

The IMF has offered a plan for subsidy reform that includes a comprehensive energy sector scheme, transparent and extensive communication and consultation with stakeholders, and more efficient state-owned enterprises to reduce producer subsidies.

All these initiatives will not prosper without political commitment and strong cooperation, both of which need to be nurtured vigorously.

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CLIPPINGS

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TITLE :

PH, UK agree on work plan on climate, environment

BusinessMirror

THE Philiopines and the United Kingdom (UK) have agreed on a joint work plan that will guide them in identifying the collaboration areas that they should prioritize after the conclusion of the two governments' Climate Change and Environment Dialogue on February 10 said the joint news statement furnished by the British Embassy Manila.

The Philippines was represented in the dialogue by the Department of Environment and Natural Resources (DLNR), while UK was represented by the British Embassy Manila

Environment Secretary Secretary Roy A. Cimatu, also the chairman of the Cabinet Cluster on Climate Change Adaptation, Mitigation and Disaster Risk Reduction, said that the joint work plan will "guide the priority areas of engagement, including regional facilities and programs announced at the 26th United Nations Climate Change Conference (COP26) in Glasgow, Scotland, in November 2021."

"This dialogue marks another milestone event highlighting the partnership of the Philippines with the government of [UK]," Cimatu said.

He added that it shall also build on the earlier priorities on climate change and the environment, identified by both parties during the first Climate Change and Environment Dialogue held in November 2020 as "part of the key pillars of the UK-Philippines enhanced partnership which focused on energy transition and nature-based solutions and adaptation."

For his part, British Ambassador Laure Beaufils underscored the significance of the dialogue as it seeks to address the defining challenges of the current time, which are climate change and environmental degradation.

*The UK and the Philippines have just launched a new Enhanced Partnership in November 2021. Climate change and environmental issues constitute a key pillar of this," Beautils said.



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THE Philippines and UK governments have agreed on a joint work plan on climate change and environment degradation. In the photo, showing the signed joint work plan that they adopted, are (from top left, clockwise) DENR Undersecretary Analiza Rebuelta-Teh; British Ambassador to the Philippines Laure Beaufils (back) with the embassy's Political Counsellor Rebecca Shah; Ken O'Flaherty, UK government's COP26 Regional Ambassador to Asia-Pacific and South Asia; and DENR Assistant Secretary Marcial C. Amaro Jr. MOTENTEMENTSY MANA APARTO

He pointed out. "I'm proud of what the UK and the Philippines have already achieved together on climato-related is sues and we committed to building on this success today and in the year to come."

According to Beaufils, the dialogue helped both governments agree on "joint actions to build resilience, tackle global emissions, and halt and reverse the loss of biodiversity."

Taking stock of the progress achieved during the first dialogue in November 2020, the Second Climate Change and Environment Dialogue highlighted the key elements of the ongoing cooperation, such as formulation of the long-term strategy, provision of analytical tools to revisit the Nationally Determined Contribution and develop the National Adaptation Plan, and conservation of critical species and ecosystems across the Philippines. It also locused on four strategic objectives for 2022.

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This include building the resilleace of the economy, acosystems and communities in the context of climatechange, establishing a development pathway toward long-term climate-rasponsive strategies, mobilizing sostainable linance and greening the financial sector; and strongthening collaboration and increase awareness of institutions and communities. In tackling climate change.

The UK agreed to provide a combination of programs, technical assistance, including practical research studies, policy support and market development mechanisms, technology, partnerships, and strating best practices to deliver on these objectives, the joint news statement said.



THE



EcoWaste backs DENR's call on proper PCB disposal

By CORY MARTINEZ

EHE environment-advo-cate group, EcoWaste Coa-lition urged the public to support the effort of the Department of Environ-ment and Natural Resourc-es (DENE) to out ed. of es (DENR) to get rid of a highly toxic class of obso-lete industrial chemicals called polychlorinated bi-phenyls (PCBs) used in old electric transformers and capacitors.

The group through its chemical safety campaigner, Thony Dizon made an ap-peal coinciding with the 18th poar concaring with the 18th year of the prinnulgation of the Chemical Control Order (CCO) for PCBs on Feb.16, 2004.

Dizon stressed that all stakeholders must rally be-hind the DFNR to achieve the country's "PCB free" target by 2025. " The said CCO is the prin-cipal regulatory entor6ment

PCBs under the Stockholm Convention on Persistent Or-garice Pollutants (POPs) to which the Philippines is a party. This major multilateral chemical treaty has set a 2025 target to phase out the use of PCBs in equipment, and a 2028 target to chiminate PCBs. The DENR had earlier baumed the importation of

build of the importation of PCB or PCB-containing equipment since March 19, 2004, pursuant to the CCU. "With 2025 not too fac away we urge all concerned

sectors, uspecially electric util-ities and cooperatives and other PCB owners, to remain on track and complete the phase-out of PCI use in optiment and to ensure the non-incineration destruction of our country's PCB stock-piles. Let us rally behind the government's action to make PCB pollution history," Di-

zon said. "At the last Conference of Parties (COP9) hold in 2019,

framework to comply with the country's obligations on PCBs under the Stockholm Convention on Persistent Or-game Follutants (POPs) to ronmentally sound manage-ment of PCB wastes

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A supplemental Memo-randum Circular issued by the Environmental Manage-ment Bureau (EMB) on Jan. 30.2015 states that "no addi-tional PCB-equipment, TCB-contaminated equipment, non-FCB equipment shall be used

The said circular further that the "remaining tated PCB equipment, PCB-con-taminated equipment non-ICB equipment and PCB waskes that were not disposed of after March 19, 2014 shall be subject to phase out and environmentally sound heat-ment and disposal at the ear-liest time possible." PCBstemain intactioning periods of time total hou

periods of time, travel long distances, accumulate in fat-ty digue of homans and wildand bid-concentrate in the life

food chain. PCBs can enter the body by eating or drinking contam-inated food and water, inhalation, or by skin contact. PCBs can interfere with hormones and their actions in the body, suppress the immune sys-tum, cause reproductive fail-ure, and increase the risk of cancer.

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As mentioned in the country's National Implementa-tion than (NIP) for the Stock-holm Convention, "the most vulnerable sector exposed to the huzards of PCBs are those working in electric utilities with transformers filled or contaminated with PCB off." contaminated with PC n cu-noting that everyone, includ-ing wildlife, can be expected to PCBs. The updated inventory

of the country's stockpile of PCBs and their environmen Tebs and their environment tally sound treatment and disposal remains a top pri-ority for the government as the 2029 target for 'a "PCB-free" Philippines appritche



FMCGs, gov't, private sector partner to implement zero waste to nature road map for 2030

In recent years, the world woke up to the alarming re-ality that the earth is alling, and that this problem has been brought about by our own hands. Unsuttainable practices, including the mismangement of plastic waste, has led to a global and local challenge for everyone.

or plastic watte, has led to a global and local challenge for everyone. The Philippines alone gen-traces az million tons of plastic waste, ao procent of which end up in the occan, according to a zoat World Bank study. Many attribute this to the country's "fingl-ring" or "sachet econ-omy," along with poor imple-mentation of green legislation and insufficient compliance with local solid waste manage-ment systems. Invironmental groups have also pointed out the role large corporations play in contribuiding to the waste problem. pro

The good news is that the

problem. The pool news is that the private sector has stepped up their efforts to address the glob-al plastic problem. While corpo-rations have already developed and implemented corporate statisticable strategies for years, they are now expanding efforts with statisticable strategies for years, they are now expanding efforts with statisticable strategies for years, the answer already developed and inplemented for a more holistic approach. In lanuary 2020, the Phil-ppine Allisnce for Recycling and Materials Sustainability (PASMS) worked together with members of the Fast Moving Coasumer Goods (PMCG) sec-tor to craft a strategy geared toward managing plastic and packaging waste, with the ulti-mackaging waste footprint by 2030. The strategy, called the Zero Waste to Nature, Ambisym ago (ZWTN 2030, is a com-minnear by PARMs member companies to "demonstrate that noise of the industrial companies in "demonstrate that none of the industrial and post-consumer packaging wastes generated from its op-erations, sale of products, and usage of products end up in na-ture by 2030."

Project Rebound: Zero waste to mature " To spread this message and transgy further, PARMS part-aved with loguiter's Project Rebound webhar series last an 15. The webhar series last an 25. The webhar series last an 25. The webhar series last an 25. The webhar series last an 26. The webhar series last an 26. The webhar series last an 26. The webhar series last burds and plans from rel-wart industry representatives uch as Secretary Ramon Lopez 27. He Department of Trade and ndusary (UT), Deputy Speaker burds of the House of Angreeomitatives and Participan Las. For Lapez, DTT's key rele and incentivize green indus-ries Giving fiscal incentives to these industries and prior-ting those whose work or premerse leaves and prior

to these industries and prior-itizing those whose work or programs involve sustainability will positively affect and ad-dress the entre supply chain, he said. "Down the road, what we want is a sustainable sup-ply chain that will make use of green energy, green systems," Lopez said, noting that they are also seeing a demand in the



The webinar hosted by inquirer's Project Rebound was held last Jan. 26, with Trade Secretary Ramon Loper, House Deputy Speaker Rep. Camilie Villar and PARMS president Crispian Lao as panelists.





The brand owners are competitors among themselves. But then here, we have a platform where we can share information. We try to translate global initiatives into local action and we want also to keep the economy within the Philippines. We don't want to push for sustainable packaging but [end up] importing everything and forget about the local industry ... With the commitment of the [big] business owners who will lead and hand-hold the SMEs, I'm sure we will be able to find solutions

> **Crispian** Lao PARMS

market for suppliers that apply meen technology, hence the mportance of green financing

Importance we govern Expounding on the issue of FMCGs at one point being one of the causes of the plas-tic production, problem and now working to be part of the now winawa solution, Lao nuted that many companies have already been implementing programs and exceloping systems to address exceloping systems to address developing systems to address the plastic waste problem. PARMS' role, he said, was to

ovide the platform so that ali nkeholders can share infor

statemenders can share inter-mation with each other. "The brand owners are com-petitors among themselves. But then here, we have a platform where we can share informa-tion, "Lao said. "We try to transtitle global initiatives into local action and we want also to keep the economy within the Philip-pines. We don't want to push for sustainable packaging but [end up] importing everything and forget about the local industry

With the commitment of the

... With the commitment of the big business owners who will lead and hand-hold the SMEs, fm save we will be able to find solutions." Micro, small and medium entroprises make up around 90 percent of business enterprises in the country. Tran a legitianities snad and projerms have bleady and projerms have bleady and large enterprise, but to get small and micro choopris or (SMEs) as well as commons involved in the large-scale plan to reduce plantic use and waste first starts with awareness. By making them aware of the pro-grows and sharing evallable grown technologies with them, especially incough local gov-munities, SMBs can take plant to man the starts.

villar also highlighted four key strategies to set more peo-ple involved: (1) educate on the situation, proj -gur-

situation, progr (a) teach the tec vide incentives age creativity (r Understand may feel intr idea of sustal ing it is a con Villar emphasis nd for more wide-scale Zern waste it not neo a hauge and exp We just have to consider rerns of all parties and up with solutions that c n be implemented, Son we have policies, while they're compreh main

have to keep in m what is doable for majority," she said. 32-2



FMCGS, GOV'T, PRIVATE SECTOR PARTNER TO IMPLEMENT ZERO WASTE TO NATURE ROAD MAP FOR 2030

FROM B2-1

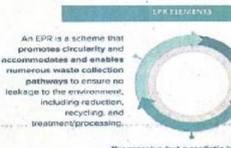
FREMESCAI Lopez emphasized the im-portance of incentives. It is important, be noted, to make reducing plastic wave "eco-nomically rewarding for all participants in the value chain." With the recently concluded United Nasions Clinate Change Conference (COP36), it was also seen that there is growth in terms of clean financing, in which financial institutions are backing global net-zero targets. Lao added that it is im-portant for all stakeholders to also be careful about how we transition away from plastic. While the goal of the XWTN-pop commitment is to reduce plastic wate, it must not come the cost of creating problems with other materials or alter-nitives, Working locally with exhibiting this, he said.

Developing holistic, comprehensive programs boward zero wate PARMS was incorporated in zong, and involves various par-ners from multiple sectors and industries, included FMCGs, technology, academe and civil society.

technology, society, in january 2020, before the COVID-30 pandemic hir the country, PARMS brought in-country, PARMS trought in-In January 2020, become one COVID-so pandemic hit the COVID-so pandemic hit the country, DARMS brought in-dustry stakeholders together to deciare their united com-mitment toward creating a nero waste road map. The road map, now known as ZWTN Am-bisyon acso, was completed and launched this acze. The first place involves de-signing for circularity, in which the priority is for producers to shift to more recyclable and property labelled pickaging, and for alternative delivery systems to be developed in which waste can be reduced. The second phase focuses on financing recovery and di-version. This phase focuses on creating a credit scheme EPR or extended producer responsibil-

creating a credit scheme EPR or extended producer responsibil-ity-that is, a policy approach where producers are given re-sponsibility for treatment and disposal of their postumammer plastic packaging waste. The alm of having an EPR is to en-courage hetter product design that boosfits the environment, and at the scane time, provide support for on-ground recov-ery models, public recycling, and matterials management. This also involves LGUs and commercial establishments.

This also involves LGUs and commercial establishments. The list phase of the 2050 road map is to facilitate these investments into recycling and waste processing infrastructure through policies that promote a market-based, inclusive and competitive landscape across phayers in the waste sector.



DESIGNING AN EPR SYSTEM FOR THE PHILIPPINES

Progressive but a realistic increase of waste diversion targets of 10% annually which accommodates numerous strategies for the waste diversion that will be phased in, driving waste recovery and diversion across the country.



Representatives from PARMS, pertner FMC1G companies an government agencies finalized the Zero Waasta to Nature Ambiayon 2030 road map on Jen. 26 and 31, 2020, at the Las government agencies managen Ambisyon 2030 road map on Ja Piñas-Parañague Wetland Park.

A Single-PRO with Multiple

Competitive, Standardized, Transparent, Accountable

and inclusive Scheme.

Diverters under a

the baseline recovery and di-version races of each plastic category. The proposed ZWTN road map also sees benefits not just in nature, but to people and industry as well. According to PARMS, this program will cre-ate 4,000 new green jebs. An estimated Pist-billion infra-structure lovestneart in new recycling and waste diversion facilities is also expected, while EPR fees to support waste re-covery are seen to generate around pict billion additional

income annually for the informal waste sector.

The FRO or scheme owner

ndrai dun) obliged Companies Annotate to de la strate economy of verte sur a program y anno trate tag

mal waste sector. How we can all participate The Project Rebound pan-elists all emphasized the im-portance of a holistic approach to solving the country's plastic waste problem. From big cor-portions leading the charge and smaller enterprises follow-ing by example and adopting new rechnology, to legislation laying down policy groundwork and incentivizing recycling and peckaging innovations to enter the country, to execution from the mational down to to cal and community levels, each sector can be seen to have a stake in the count to zero.

can be seen to have a stake in the road to zero. For Lopes, the best way to motivate more consumers and businesses to participate in road to zero initialives is to such it comparison to consider

value chain , to achieve out goal of across wants to nature." Willar, meanwhile, stressed the rale of avareness as a first buy to gotting more people view to social and the social state in the social state of the social social state of the social of the social state of the social state of the social of the social state of the social state of the social of the social state of the social state of the social of the social state of the social state of the social of the social state of the social state of the social of the social state of the social state of the social of the social state of the social state of the social state of the social of the social state o

We need to teach these kinds of practices or institutionalize them within our curreiculum, or within our communities so that kids at a young age will become aware, and as they grow up it will be the source aware. We will be the source aware to be the source of the sou



TITLE

PRIDAT / Fait





B2-3

ZERO WASTE TO MATURE With 'Ambisyon 2030,' FMCGs make positive, green impact

re January 2020, companies attributed with the Philipping Alhance for Resytling and Materials Sustainability (PARMS) provid the "Zeca Waste to Nature" Ambisyon 2020 UZWTN 18701 Im during so, they predged to observe more austainable ways so that, at the turn of the decide they can truly achieve the vision of a zero waste Philippinos syon argo argos institutions to strengthen existing initiatives and clum, out anoma a leading the Philippines to a factore where circularity and sustainability are the norm



GOING GREEN FOR PEOPLE AND PLANET, MONDE NISSIN CHAMPIONS FOOD SECURITY

f you have an enduring love for macks like Monde Special Mamon, Breadsrik and Egg nog, you may have noticed nug, you may have noticed a recent changes to their the packaging when you went out to huy fresh stocks. Those re-vamps represent for more than a branding revolution and, in fact, reflect Monde Nissin's passionate commitment to its sustainability goals. Acknowledging the grow-

Acknowledging the grow-ing awareness of environmen-tal degradation and contin-uously working sustainable Nissin signed the Ambiayon 2020 agreement. With that, it signified its tireless com-micment to contribute solu-tions to the widespread waste management problem in the nation, all in the name of the well-being of both people and the planet.

well-being of both people and the planet. ¹ Those packaging adjust-ments on iconic products like Monde Special Marnon, Bread-site and Regneg did not change a thing about their cherished flavors but reduced unneces-sary plastic trays and optimized the size and thickness of the elastic used. plastic used.

That accomplishment is only one of many that the com-pany fulfilled in a past year that it described as "a very remarkable year for making aco-efficiency possible." Be-sides immense savings in plas-tic, Mande Nissin also got (1) up th: Mande Nissin aliko pat (i) up to ga-percent recyclable pack-aging material volume across majority of its pertfulix, (2) a zo-percent reduction in waste disposed in landfills compared to the previous year, and (3) made strides to lower grown-house gas (CHC) emissions and transition to a low-carbon val-ue chain.

Italiante is a constraint of a second Its Quorn product line also contributed to attain sustain-ability goals. As a meat alber-native, it works into a sustain-able nutrition framework and,

on a larger scale, contributes to lower carbon and GHG emis-sions. In 2019, Quorn obtained a Carbon Trust accreditation and is now the first global meat alternatives company to have the carbon footprint of products accredited by a third party.

As Monde Nissin particles in ZWTN 2030, consumers and observers can be sure that goals in anisticability will not be unique to 2021 and will in fact endure. The company is so-percent reduction in GHG intensity of manufacturing op-erations by 2023 as it opts for remewable energy sources, re-duces the use of paim oil and achieves a ZWTN scenario in its plants by 2030. Monde Nissin's sustain-ability strategies and targets also go beyond waste manage-ment and reduced emissions. For instance, Quorn Is just one of many products marking the company spivot to a healther and better portfolio by 2030. Within the same timeline, it also hopes to empower small-scale distribution partners with livelihood emportmenting and for As Monde Nissin partakes

also hopes to empower small-scale distribution partners with livelihood opportunities and fi-nincial credit; employ a diverse wockforce enjoying full and fair conditions; and ensure that sustainability is part of corpo-rate life and culture.

The company wants to par-ticipate in the advocacy for food ticipate in the advocacy for final security, working toward better food accessibility, inclusivity and collective action along with eco-efficiency. It continuously enhances its products, educates consumers, and pattners with other stakeholders intending to soldress both food security and uninutrition. Monde Nissin is building a future of food with planet, health and taste uncompro-mised using the same Innova-tion and passion that has driv-en the company for decades.

COLGATE-PALMOLIVE'S ECO-FRIENDLY PRODUCTS AND PARTNERSHIPS SYMBOLIZE PASSION FOR A FUTURE TO SMILE ABOUT

Was must already be familiar with the Colgate hamboo Toothbrush, the first eco-friendly tooth-brush by Colgate made with biodegradable and comportable handles, and packed using re-cyclable cardboard. This ready pands out on the arguest from cyclable cardboard. This really trands out on the grocery store tacks because of its unique tasks. That is just one of many examples, proving that Gol-gate Palmolive Philippines

(CPPI) is not new-and is res oute-in reimagining its prod-ucts for a more sustainable, more responsible future. Aside from the toothbrush, CPPI also boasts of sachets of Palmolive Shampoo and Palmolive Soap, which have now transitioned to ycle-ready monomaterials. For the Falmolive Soap that recycle

comes in a box, meanwhile, the packaging is made up of go-percent recycled paper, nonlaminated so that the matoniaminates so that the na-terial could more conveniently be reprocessed later. Lest we forget, CPPI revealed in ear-ly atox the first-ever recycla-ble hube in its partfolio with the launch of Coigate Natu-rais Toothpaste. The firstured packaging material resulted from five years of research. This string of remarkable innovations is grounded in Col-gate-Paimelive's suctainability gate-Paimolice's sustainability and social impact mission, a commitment to use too-percent recyclable, reusable or com-pentable packaging across all the company's product categoties by 2025, among other goals, Globally, working with this ideal in mind, Golgate Palmolive now as of true zero-waste-certified facilities in 16 countries.

The sustainability and so-cial impact mission emanates from Colgate-Palmolive's cure belief that everyone deserves a future to smile about—a fu-ture in which the brand uses its ture in which the brand uses its being "in more homes than any other" for positive impact like improving people's well-being, heiping millions of homes with more sustainable products and healthlor habits, and preserv-ing the environment with di-mate action and decreased en-vironmental footprint. The innewations of CPPI show how the company's iscal presence shares in the global agenda, and how it is ground-ed in the realities of a country facing the negative impacts of



the dimate crisis and a huge wasteproblem. Nothing drives that point home more than CP-PI's decision to participate in

PI's decision to participate in Ambigum 2030. Beyond investing in prod-uct development, CPPI also im-plements pengyanas ficused on partnerships with other stake-holdets and the empowernient of communities. For example, It launched its Flastic Waste Collection program, with a vi-sion of tecovering plastic waste equivalent to the amount it puts lato the market. CPPI even established in five SM Malls drop-off points where people could leave their plastic waste forgardle points where people could leave their plastic waste with an assurance that these would be disposed in environ-mensally sound ways

In 2020, the company collab-orated with Green Antr to turn toes of plastic waste in bricks that would later 800 build bricks that would later build so wask-and-bruilt stations in schools and municipalities all over Bolacon, With Plastic Gredit Becknang, CPPI has sup-ported the Aling Timbra pro-gram, awatte-to-cash collection scheme that employs and em-powers seri-seri score owners through Incentivisation, CPPF is open to partnerships in and is open to partmenhlps in and outside Metro Manila to further

outside Metro Manilà io further a noble cause and hispire new sustainable behavior. The company has clarion commitments to find alter-native, circular solutions to achieve a fature where the ide-als of ZWTN popo are a reality.

CAPITAL'S 'SARI-SARI' STORE OWNERS, CYCLISTS WIN BIG WITH PT MAYORA'S SUSTAINABLE POLICIES

Galaboration works work dess. That is what the PT Mayora Group) has prov-en in partnering with some vaste management companies to balater the country's efforts in management companies to balater the country's efforts in managing its plastic waste and delivering impactful solu-tions to society. Detered on proper plas-tic waste collection, process-ing and recycling, the Mayora Group entered joint endeavors with Plastic Credit Exchange (PCR) and Green Anta: thas in

with Plastic Credit Exchange (PCR) and Green Antz that in-troduced to Metro Manila in-teractive avenues improving gathage collection systems and plastic recycling projects. Now, the projects are benefit-ing sari-sari store owners and commuters is the collial

ing sari-sari store owners and commuters in the capital. The Mayora Group part nered with Green Anne, a lead-ing green technology compa-ny, to abred plastic waste and upcycle them into bollards that could help manage the flow of pedestrizes in Pasay City. The pactnership produced 800 laminated bollards from shredded plastic. These were later donared to the City of Pa-acy through the maningement



ing the influence function potential-ly life-threatening hazards. With its other partner, PCX, the Mayora Group support-ed the Aling Tinders program. In this partnership, the two

enlisted the help of women sari-sari store owners in the collection of trash from their localities. The retrieved wave would then he placed in refur-bished container wave, which in hubs and storage units For their work, the participants were compensated with cash.

The initiative gave resi-dents of Brgy, 551, District 5, Port Acea, in the City of Ma-nila, access to an income gennils, access to an income gen-erating waste management system. This also empowered local series of sustainabil-icy-focused women entimpte-neurs and community isaders. Since its satisficament in

The result of the second secon

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URC GENERATES POWER FROM SOLAR ENERGY IN CLIMATE-FRIENDLY EFFORTS

A s the company marches into the huture with great-er concern for sustain-dubley. Universal Robins Grep (URC) has begin to adopt freese technologies. For-most among its initiatives is the introduction of solar panels the introduction of solar panels the introduction of solar panels between a broad. A proud exemplar of URC's openation of the solar panels for the solar panels of the solar panel and zero Waste Achieve-sent Awards recognising its efficient waste management

ns. If you head over company's compound in Samu Sakhon province, southwest of Bangkok, you will find the roofs of the six factories and four warehouses covered with solar coveris.

panels. That hardware harnessing energy from the sun can gen-erate approximately 6 mega-watts of clean power, decreas-ing the amount URC Thailand needs to source from the local power grid. It also ensures that the company lessens its depen-dence on fassif fuels.

URC Thailand general man-URC Thailand general man-ager Tanant Suwanraks noted that URC Thailand has lined up more projects devetalled with the company's goal to help mit-igate the devastating impacts of climate change. We will not stop with the solar panels. We believe that the main core for businesses to carry on is to be responsible to the people, com-munity, society, environment and our planet." URC Thailand began put-ting solar panels on its facili-ties in Scottember and under

its "URGreen with Thailand's Solar Panel Roottop" project. This switch to more eco-friend-ly options is happening all over the Southeast Asian region for URC.

In the Philippines, the com-In the Philippines, the com-pany has partnered with ce-tment plants in efforts to con-vert waste into refuse-derived fuel. URC has also been Install-ing solar penels at its manufac-turing facilities. It can harness up to 1 MW at its plant in Canlubarg. Laguna. and some at kilowatts B2-4



of the Light Rail Transit, Line 1. Once discarded materials 'any now fastures that guide com-muters and bloyche riders as they traverse roads surround-ing the improved train stations, material days from some that



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With 'Ambisyon 2030,' FMCGs make positive, green impact

URC GENERATES POWER FROM SOLAR ENERGY IN CLIMATE-FRIENDLY EFFORTS

FROM B2-3

at its Vitasoy facility in San

at its Vitasoy facility in San fersando, Rainpaing, As or eparatological and bever-sent and the sentence of the sentence builty its signification of the sentence of the sent

sustainability initiatives ensustainability initiatives en-compassing greater consump-tion of renewable energy, re-duction of water and energy usage, and recycling activi-ties, among others. Plans for other factories in Vietnam are in the works.

ties, among others. Plans for-other factories in Vietnam are in the works. URC chief santainability officer David Lim said that the projects across the region, where the company's pre-ence has been increasing are anchored in one of URC's core strategies: building a people-and planet-friendly culture. "We aim for a low-carbon economy by optimizing the use the of innewable energy." be said. "URC is gearing to-ward net zero by 2050." URC takes a more holis-tic view of its sustainabili-ty roadmap. Aside from the efficient use of resources and investment in renew-able energy, the company is also addressing its packag-ing footpriat through using and developing recycle-ready materials.

P&G BUILDS ON STRONG TRACK RECORD. INTEGRATES SUSTAINABILITY IN ALL OF ITS OPERATIONS

Process & Gamble (P&G) is focused on inte-grating sustainabili-ty measures across its operations as it embarks an Ambition 2030 building on an already strong track renard in green knnova-tians.

renard in green knowa-tians. As the company champions responsible consumption, it plans to craft sustainable and maningful interventions in four specific areas of operations: (i) brand inno-vations. (a) anophy chain operations: (i) brand inno-vations. (a) anophy chain operations: (i) brand inno-vations. (a) anophy chain operations. (i) according and operations. (i) according and operations. (i) according a subsection of the second shopping for groceries and other essentials. It eliminat-ed virgin plandic overwrap on Safeguard multipacks, this avoiding 8,500 kilome-ters of potential single-use plastic waste yearly (the length translates to walking along the Boracay shoreling upon times). For the Herbal Essences bioteness collegalong the Boracay shoreline 1,000 times). For the Herbal Essences bio:renew collec-tion, the bottles now use postconsumer resin or recy-cled plastic material, further reducing use of virgin plas-tic

tic. tic. A partnership making waves among communities is P&G and World Vision's "Pag-Asa as Basura." The initiative recovered 3.3 million pieces of plastic suchets and hun-dreds of thousands of plastic bottles. These were upcycled hun over 3,000 public school chairs, complete with safe-ty dividers, which were then denated to various partner schools.

densited to various partner schools. P&G also employees to become advocates of sus-nanability in the workplace. The company has consis-tently promoted a culture of santainability in every-day business by ensuring that sustainable innovations come first, backed by strong leadership and tone from the top.



All these steps build on PRG's earlier achievements in the elimination of waste. The company ensures that sustainability is hardwired into its business strategy and not seen as separate work.

and not seen as separate work. The company current-ly purchases too-percent renewable electricity, en-abling it to reduce its genen-house gas emissions by 80 percent of its plants are cer-tified "Zero Manufacturing waste to Lamüfli, 'Including the P&G Caboyao manufac-turing plant in Laguna. This stamp means that a plant re-covers, reuses and recycles wasteware and solid waste generated from operations. Furthermore, all the plastic waste wastes are com-posted and used as fortiliz-ers. By apag. P&G's elebel op-

ers. By 2030, P&G's globel op-By 2030, P3G s global op-erations aim to make non per-cent of packaging recyclable or reusable and to cut the use of virgin plastic in its packag-ing by 50 percent.

ZERO WASTE DO KANDER

WITH UPGYCLED OUTDOOR FURNITURE, MONDELEZ INTERNATIONAL SHOWS VALUE OF RECYCLING PLASTIC

62-12

f you happen to visit Parahaque City, he on the lookout for plastic picnic benches, bike racks, waste cubes and dining acts on some of their community spaces. Those were ance plastic waste, which could have ended up in landhlis and waterways. Thanks to snacks company Mondelës International, they serve better burmoses.

Thanks to snacks company Mondelés International, they serve better purposes. "We recognize the responsibility that each one of us has in ensuring plastic wate does not end up in nature." said atty, loseph Fabul, corporate and government affairs country manager for Mondeles Interna-tion in the Philippines. "For consumers, it could be buying in built rather than in small places it they can afford it, and making sure to dispose of their waste pours, it means being mindful of our packaging use and support-ing the collection of war we put out in the ministe." Taking this role serious-by, Mondels, International worked with The Flantic Fla-mingo, a social enterprise that endless and transforms plastic waste into construction mas-rials like co-lumber, thus also

waste into construction mate-rials like eco-lumber, thus also

iding livelihood to collec-

providing livelihood to collec-tors and processors. "In sois, we started our journey (of learning) how we can support waste collection, handhing a project to collect just Looo kilos of plastic waste (rogethed) with the Plastic Pla-mingo the following year. By 2020, we have expanded this to 42,000 kilos ..., "Fabut recalled. Opening the project to like-minided organizations last war, Mondel/s International ended up collecting and di-verting plastic waste weighting

like-minded organizations last war, Mondeliz International results of the second second second results of the second seco

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Ambisyon 2030.

Aminisyon 2030. Demonstrating the com-mergens to zoos yield this year. The furniture now enjoyed by parahaque residents should be considered an indication that parahaque residents should be parahaque residents Demonstrating the

packinging recycle ready and labeled with recycling infar-mation; and decreasing by a jo-ne of the second view of the second second reduction in view of the second reduction in view of the second reduction in view of manability. The Philippine office second s manage plastic was and Southeast Asta.

UNILEVER TO DELIVER PACKAGING COMMITMENTS, COLLECTION TARGETS BY 2025 THRU GLOBAL STRATEGIES, HOMEGROWN SOLUTIONS

P lastic is a valuable materi-al. It is crucial for the safe and efficient distribution of products, and it has a few-er carbon footprint than many alternatives. The problem is, for too much of lends up in the en-vironment. In fact, it's predicted that the interior footprines active whonsent in fact, it's predicted that the plastic pollution crisis will surge between now and 2040 with twice as much wirgin

will surge between now and sook with twice as much wirgin printic created and town umen more ending up in the acean. We cannot lit this happen. But basming plastic alon-gether isn't the answer. The solution lies in reducing the use of virgin plastic (or making will be a possible in the first place) while keeping all plastic produced in a circular economy transfer of the second second produced in a circular economy than waste). Uniever Philippines has been working to reduce plastic builtation through global goab aunched in zoit and zoits for cuard on reducing virgin plastic and replacing this with recy-cled materials adopting recycla-ble, reusable and remposcible plastic than they sell. These goals should have already been

Nextle Philippines, as one of the country's to flast mov-ing consumer goods (PMCG) corporations, has introduced groundbreaking initiatives to addreaking initiatives to addreaking initiatives to addreak the comparing has already acheved plastic neutrality as of August 2020,



up with a solution by tapping up with a solution by tapping rmail neighbothood waste-banks and collectors and tre-ating pop-up junkshops in di-ferent areas within the commu-nity. This strategy lessened the risk of COVID-19 transmission and made the program force acressible to households while enhancing the lived/hood of those in the waste collection business. Misis Walastik has new engaged over also bacangys, soloco households and count-ies individuals relying on the informal waste sector. Unlever hal so far collected over also

3001

has so far collected over 4,000 metric tons of flexible plastic waste that are mechanically recycled or coprocessed.

The program's emphasis on proper incentivization for waste

ollection is complemented by consistent community ed-communities and local govern-experies and community badeen communities and local govern-experies and community badeen to the community badeen and community badeen respected and the set of the set of the respected and the set of the set of the respected and the set of the set of the respected and the set of the set of the respected and the set of the set of the respected and the set of the set of the respected and the set of the set of the respected and the set of the set of the set of the respected and the set of the set of the set of the respected and the set of the set of the set of the respected and the set of the set of the set of the respected and the set of the set of the set of the respected and the set of the set of the set of the set of the respected and the set of the

NESTLE PHILIPPINES LEADS WITH GROUNDBREAKING **INITIATIVES TO TACKLE PLASTIC WASTE**

making it the country's first and only multinational FMCG to do so. This means that the compato de

This means that the company is recovering the equivalent amount of plastic packaging that it puts out in the market. With support from its partners, it was able to collect over 36 million bios of plastic waste from August 2020 to December 2023.

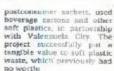
from August sorse to December 3021. Saluting the firm. Commis-ioner Crispian Lao of the Na-tional Solid Waste Management Commission (NSWMC) and founding president of PARMS said. "Neutife has always been at the forefront of corporate snewardship and exemplifies whit a comparabilit brand needs to be. It is always a pleasure and an honor to be part of your journey as your private sector representative to the NSWMC and with your support as part of the inception team that led to the formation of, and with your continuing active particle



you have achieved this, well ahead of your global and local commitments."

amend of your global and local commitments." Other accomplishments of Neside Philippings under the three focus areas include: • The country's first food and beverage company to shift to paper straws. Neede Phil Iopines is constantly search-ing for alternative materials in make its packaging more sustainable. An equally im-portant milestone is its full transition to using paper atraws in its locally manufac-tared ready-to-drink prod-urts:

the country's first citywide soft plastic waste collection project. In June 2019, Nexd& Philippine piloted May Balk. Se Plestiki, which recovered



waste, which previously had no worth; The country's first solid waste management cours-tion maddles rolled out in over to,oos public schools nationwide. Information, ed-ucation and communication on solid waste management are important in achieving the goal of a waste-free fu-ture. Nestle Philippines de-veloped these modules for its Nestlé Wallvies Campus pro-gram. The modules are used by some to million Grades a to so students.

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A s the world's largest food and beverige company, Needle is committed to taking a teaderable role in tacking the complex and ur-gent problem of plastic warr. Globally, the company aims to make its packaging, includ-ng plastics, sich percent re-syclable or teasable by roag. Needle is taking a holtstic ap-proach to address plastic warrs, accelerating its initiatives and plastic ware and plastic reduction; (2) helping to shape a ware true future through increased icollection and re-velowings and (3) oriving new helwines and wate manage-ment education.

to the formation of, and with your continuing active partici-pation, PARMS' "Zero Waster to Nature: Ambiryon 2030' goals. In 2017, along with our part-uens, we discussed the concept of plastics neutrality. And now





DILE



THE

COMMUNICATION AND INITIATIVES SERVICE

STRATEGIC

Tribune

The very carry has become one of San Pablo City, Laguna's staples for kids who are enjoying the view of Sampaioc Lake.

PAGE



The eagle underwent an immediate surgical operation on its injured right wing since the bacterial infection was already spreading beyond its injured body parts

BY NONOY E. LACSON

ZAMBOANGA CITY - A wounded female Philippine eagle (*Pithecophaga Jefferyi*) needing immediate surgery was rescued by a resident of Marogong in Lanao del Sur and was turned over to proper authorities.

Bangsamoro Autonomous Region in Muslim Mindanao (BARMM) environment officer Benjamin Alangca said that the resident – identified as Hadji Solaiman Olama – found the injured eagle a the forested areas of Marogong on 9 February.

Olama immediately informed the office of the Ministry of Environment and Natural Resources about his discovery for the protection and safety of the eagle.

After the turnover, the eagle underwent an immediate surgical operation on its injured right wing since the bacterial infection was already spreading beyond its injured body parts.

Dr. Anita Chua, a veterinarian specialist of the

Regional Wildlife Rescue Center of Zamboanga del Sur Province, Community Environment and Natural Resources Office conservation and development section and Department of Environment and Natural Resources-9 technical personnel, treated the wound.

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Chua said the Philippine Eagle has a wingspan of 51 centimeters and a weight of 5 kilograms.

After administering medical aid, the eagle was immediately turned over to the Philippine Eagle Foundation in Davao City to perform additional medical procedures.

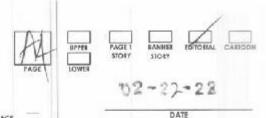
"It was the first time that we found and rescued an injured Philippine Eagle and it signifies that the BARMM have a vast environment and natural resources," Alangca said.

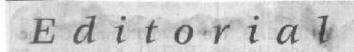
Meantime, Ecosystems, Research and Development Services Director of Biodiversity Mohamad Ali Dimaren said that the incident proves that there is the presence of the Philippine Eagle in the Bangsamoro region.



THE







Subsidies are slowly killing biodiversity

RECENT study by a group of subsidies experts reinforces concerns that financing projects that are meant to sustain biodiversity are doing more harm than good.

According to the study, at least \$1.8 trillion is spent every year on subsidies that subvert their intended goals. Tax breaks for beef production in the Amazon and financial aid for unproductive irrigation in the Middle East are among the most glaring examples the study cited.

A United Nations report last year also found that almost 90 percent of subsidies to farmers every year damage people's health, fuel climate crisis, destroy nature and drive inequality by excluding small farmers.

The fossil fuel industry, however, is the biggest culprit with counterproductive subsidies totaling \$620 billion. The agricultural sector is not too far behind with \$520 billion, with water accounting for \$320 billion and forestry, \$155 billion.

The report did not include mining, long considered to be a major contributor to ecosystem destruction.

Governments that parcel out subsidies without proper screening and follow-up strategy share the blame, the study noted.

The businesses that benefit from subsidies are guilty as well. In an online article in *The Guardian*, Eva Zabey, executive director of Business for Nature, lamented that many businesses "are benefiting from these environmentally harmful subsidies."

"Typically, the subsidies were established with good intentions in mind. We need to level the playing field because right now, some are benefiting from a head start when it should be the other way round. It's a wicked problem," Zabey added.

The fossil fuel industry immediately springs to mind whenever we dissect the problem of harmful subsidies. Many governments are generous in subsidizing the sector through tax breaks and production credits. The Organization for Economic Cooperation and Development found that subsidies in the fossil fuel sector rose by 30 percent in 2019. That's not an encouraging outlook, according to the International Monetary Fund.

Subsidies may protect consumers by keeping prices low, "but they also come at a high cost," the IMF warned. "Subsidies are expensive for governments — and therefore, taxpayers — to finance and can hinder governments' efforts to reduce budget deficits. They also compete with other priority public spending on roads, schools and healthcare."

The environmental cost is equally worrisome. Despite the financial boost, the industry has failed dismally to reduce carbon emissions. The report's authors are calling on governments to agree to stop all harmful subsidies by the end of the decade. There is a chance to make that push during the biodiversity summit in China later this year, where companies will be asked to reveal the subsidies they receive as part of environmental disclosure reporting.

Christiana Figueres, who headed the UN climate convention in 2016 that produced the Paris Agreement on capping temperature rise, agreed it's time for drastic measures.

"Harmful subsidies must be redirected towards protecting the climate and nature, rather than financing our own extinction," Figueres said. Subsidies have to be redirected, repurposed or done away with to free up more funds to prevent further biodiversity loss. The IMF said the fiscal, environmental and welfare gains from removing harmful subsidies are substantial. But it also acknowledges that getting rid of the subsidies will be a herculean effort. As early as 2009, the Group of 20 sounded the call to phase out ineffective fossil fuel subsidies. The response was lukewarm, and the IMF explained why: "When reforms are made, prices increase, and this has often led to widespread public protests."

It added: "The absence of public support for subsidy reform is in part due to a lack of confidence in the ability of governments to shift the resulting budgetary savings to programs that would compensate the poor and middle dass for the higher energy prices they face."

The IMF has offered a plan for subsidy reform that includes a comprehensive energy sector scheme, transparent and extensive communication and consultation with stakeholders, and more efficient state-owned enterprises to reduce producer subsidies.

All these initiatives will not prosper without political commitment and strong cooperation, both of which need to be nurtured vigorously.



STRATEGIC COMMUNICATION AND INITIATIVES SERVICE

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Liberal mining policies to lure foreign investors back to PHL–COMP

By JONATHAN L. MAYUGA

WITH the recent policy moves by the Duterte administration, the mining industry's big players said the Philippines is back on the radar of foreign mining investors.

Chamber of Mines of the Philippines chairman Michael T. Toledo said for one, Australian investors welcomed the recent decisions of the Philippine government to ease mining policies, raising the possibility of a renewed influx of foreign capital in the sector.

"Recent policy moves by the Philippine government are expected to boost investor confidence in its mining sector while unlocking the country's vast mineral resources responsibly and equitably." Toledo said. Toledo is currently the chief

operating officer of Silangan Mindanao Mining Co., a wholly-owned subsidiary of Philex Mining Corp.

Mining is a pillar of Australia's economy, Toledo noted, and industry there is showing signs of potentialboom, with investments surging and metal prices still soaring.

In separate statements, The Philippines-Australia Business Council (PABC) and Australia Philippines Business Council (APBC) said recently that the consecutive decisions of the Department of Environment and Natural Resources (DENR) to lift the 4-year-old ban on open pit mining for the extraction of copper, gold, silver, and complex ores, and the removal of the moratorium on new mineral agreements between the government and private contractors, are clear signals that the Philippine mining sector is again open for business for local and foreign direct investment.

"This is good news for the mining sector which hasn't seen any major investments since 2016 due to tighter government regulation. Renewed investor interest in mining could lead to fresh capital inflows that condd unleash the industry's huge potential," Toledo said. Since the government tightened mining rules, only Philex has decided to go ahead with its investment plan to develop, beginning this year, a starter mine that would cost \$224 million. The Silangan copper-gold prospect in Surigao del Norte is expected to produce gold and copper in early 2025.

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5th-most mineralized

THE Philippines is the fifth-most mineralized country in the world, with the third-largest deposits of gold, fourth for copper, and fifth for nickel. Around one-third of the country's land area has mineral potential but only one-tenth of that is covered by mining tenements.

Estimated to be worth around \$1 trillion in value, these resources remain underground.

"Mining is one industry that truly highlights the complementarity between Australia and the Philippines," said APBC President Rene Cabrera in a statement.

"The Philippines has vast untapped natural resources; Australia is a global expert in minerals developmentandproduction underpinned by responsible mining practices soughtby the Philippine government and community. The potential for rewarding opportunities has always been there," he added.

Philex had initially sought foreign investors to fund a grander development of Silangan, but failed to find one largely because of uncertainty in government policy. Philex will issue stock rights, use reserve funds and borrow from banks to fund the Silangan project.

Toledo said, however, that Philex isn't closing its doors to investors, both local and foreign, who may want to infuse fresh for the development of the Silangan project. "It now depends on valuation and commercial terms, compliance with government regulations, and the strategic value that the potential investors will bring into the success of Silangap." he said.



TITLE :

Philex remains open to investors for its Silangan project

By CATHERINE TALAVERA

Philex Mining Corp. is not closing its doors to foreign and local investors for its Silangan Copper-Gold project in Surigao del Norte, an official said.

In a statement yesterday, Silangan chief operating officer Michael Toledo said they remain open to investors who may want to infuse fresh funds for the development of the Silangan project.

"It now depends on valuation and commercial terms, compliance to government regulations, and the strategic value that the potential investors will bring into the success of Silangan." he said.

Philex earlier sought \$750 million to start the development of the Silangan project, however it failed to find one largely because of uncertainty in government policy. This led the company to

This led the company to pursue an in-phase development plan for the Silangan project, where the company would spend an initial \$224 million for the development of a starter mine.

The \$224 million funding will be financed by a combination of capital infusion from Philex, equity via stock rights offer (SRO), and debt.

Meanwhile, with the recent moves of the Philippine government to ease mining policies, such as the lifting of the ban on open pit mining, Toledo said this raises the possibility of a renewed influx of foreign capital in the sector.

"Recent policy moves by the Philippine government are expected to boost investor confidence in its mining sector while unlocking the country's vast mineral resources responsibly and equitably," said Toledo, who is also the chairman of the Chamber of Mines of the Philippines (COMP). BANNER

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The Philippines is the fifth most mineralized country in the world, with the third largest deposits of gold, fourth for copper, and fifth for nickel. Around one-third of the country's land area has mineral potential, but only one-tenth of that is covered by mining tenements.

"Mining is one industry that truly highlights the complementarity between Australia and the Philippines," APBC president Rene Cabrera said in an earlier statement.

COMP said the lifting of the ban on open pit mining would allow the industry to contribute more to the country's economic recovery.



STRATEGIC COMMUNICATION AND INITIATIVES SERVICE



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Recently, the words "water crisis" in Metro Manila and sorrounding provinces bave resurfaced, as they did in April-June 2019.

See for instance these recent reports in Business/World

 "Indigenous peoples seek to overturn Kaliwa Dam deal" (Feb. 3),

 "Metro Manila water shortage projected for April or May" (Feb. 8),

 "Local governments urged to step up in averting water crisis" (Feb. 9),

 "Hanila Water, MWSS delay start of new concession deal to March 18" (Feb. 17).

 "MWSS, NIA preparing mitigation programs for potential water shortage" (Feb. 18).

SOLUTIONS TO A 'WATER CRISIS'

There are short- and medium-term solutions to expand potable water supply as the population in the metropolis expands.

One is the development of dams in the Sierra Macre mountains and diverting some of the water that freely drains into the Pacific Ocean, to Metro Manlla and surrounding areas. The Kallwa Dam is meant for this purpose. But instead of doing the usual Public Private Partnership (PPP), the Duterte administration decided to go back to old-style taxpayers-funded projects via foreign loans, in this case a China loan

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with China construction companies. See this column's previous piece, https:// www.bwol/donline.com/integrated-pppvs-hybrid-pop-the-case-of-kaliwa-dam/ (Nov. 7, 2018).

The second is to respect the water concession agreements and urge the two concessionaires — Maynilad Water Services, Inc. (MWSI) and Manila Water Co., Inc. (MWCI) — to develop other water sources. But President Duterte attacked the two companies and forced a revised concession agreement (RCA) on them.

Third is to further develop Laguna Lake, or Laguna de Bay, as a potable water source. There are other sources but Laguna Lake is the biggest as it is the natural drain of 100 rivers and creeks and 21 major tributaries.

PROBLEMS IN TAPPING POTABLE WATER FROM LAGUNA LAKE

Among the challenges of tapping the lake are: One, the water is murky, heavily slited, and in certain areas is of bad quality — with high levels of biochemical oxygen demand (BOD), dissolved

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Year	Agriculture	Industry	Services	Ind./Agri.
2010	1216	705 77	01758	2754

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2010	12.16	395.37	917.58	32.5x
2011	12.63	370.93	953.20	29.4x
2012	13.00	396.07	1008.37	30.5x
2013	13.60	422,43	1058.53	31.1x
2014	13.85	452.52	1115.45	32.7x
2015	14.19	441.54	1184.46	3Llx
2016	14.28	449.32	1264.40	31.5x
2017	14.94	321.40	1303.69	21.5x
2018	15.30	339.16	1376_38	22.2x
2019	15.78	586.11	1447.83	37.2x
2020	15.61	471.33	1213.48	30.2x
The second s				

oxygen, and fecal coliform. So, the cost of treatment goes up, which means water prices can go up.

Two is entry of salt water during the dry months when the lake water level is lower than sea level due to evaporation, and dirty water from Manila Bay enters into the lake during high tide. This raises the salinity level and, again, results in a higher cost of treatment.

Three is the huge number of fish pens and fish cages — covering tens of thousands of hectares — which trap some solid waste from flowing out and contribute to siltation and a shallower lake.

DREDGING THE LAKE

One important solution to these three problems is large-scale dredging of the lake. Make it deeper, from the current 2.5 meters average depth to three meters or so, to allow the lake to hold a bigger volume of fresh water. But this will require the demolition of many fish pens and those pens are owned by individuals and businesses with wide political connections.

I want to quantify the potential benefits to households and businesses when there is a big volume of new water supply from the lake.

In a paper "How Much Water Do Households Require?" (by Inocencio, Padilla, and Javier, Philippine Institute for Development Studies, October 1999), they computed that the average requirement in Metro Manila and Pangasinan in 1998 was 54 liters per capita per day (1/c/d) — 23 for bathing, handwashing, teeth brushing; 20 for house cleaning,

Potential additional potable water from Laguna lake

Indicators	Unit	Current	Dredged1	Dredged2
Surface area	Square km.	900	900	900
Average depth	Meters	2.5	2.6	2.7
Deepest pt. (Diablo Pass)	Meters	20	20	20
Average volume	Cubic meters	2,250,000	2,340,000	2,430,000
Equiv. no: of household (HH) water supplied	Million, at 273 t/h/d	8.241	8.571	8.901
Additional new HHs served	Thousands, at 273 I/h/d	1 - WW	330	550
Additional HHs with uninterrupted water	Thousands, from 136 to 273 l/h/d		660	1,320
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toilet flushing; five for laundry; four for cooking and dishwashing; and two for drinking.

Bay

Today, more households have vehicles that need cleaning too, plus pets, and many residential condos and subdivision clubhouses have swimming pools. It is safe to assume a 20% increase in water demand compared to 1998 or 24 years ago, so the new demand would be 65 I/c/d.

The average household size was five persons per household in 2000, 4.6 in 2010, 4.4 in 2015, and 4.2 in 2020. So (65 l/c/d) x (4.2 capita/household) is 273 liters/household/day (l/h/d), or 0.273 cubic meters/household/day.

From this average daily water need of one household, I computed that if the lake's average depth of 2.5 meters is made deeper by 100 centimeters or 0.1 meter, there will be 333,000 additional families that can be served with 273 liters/day. If the lake is made even deeper by 0.2 meters, 666,000 additional families will be served.

Another way of looking at this is that many households cut their

TABLE I

demand by half due to limited hours of water supply per day — they consume only 136 1/h/d. The new supply from the lake will enable them to reach the 273 1/h/d. Then dredging the lake to make it deeper by 0.1 meter will benefit 660,000 households; make it deeper by 0.2 meter will benefit 1.32 million households (*Table 1*).

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WHICH IS MORE IMPORTANT, FISHERY OR POTABLE WATER?

This seems to be a no-brainer question because potable water is life. But individual and corporate fishermen in Laguna Lake will insist on the importance of fishing to people's lives and livelihood.

The Philippine Statistics Authority (PSA) has "Water Accounts of the Philippines" data and among the key concepts is water use efficiency (WUE) computed as gross value added (GVA, in P Billion) over water use (in billion cubic meters). Agriculture includes fishery, Industry includes water, electricity, manufacturing. The WUE of industry including water is 30x that of WUE of agriculture and fishery (Table 2).

Gross Revenue (GR) and Net Income (NI) of Maynilad and Manila Water in P Million, and rank in Top 1,000

Year	Maynila	d Water	Manila	Water
	GR	1102 8 NE68 (1)	fire the GR (0.30)	NI
2014	22,461	8,273	17,985	5,238
2015	27,169	9,519	19,640	5,333
2016	29,573	6,776	21,311	5,383
2017	32,646	6,832	25,434	5,730
2018	34,551	7,431	26,746	6,333
2019	37,487	7,663	27,463	5,022
2020	30,889	6,429	27,272	4,666
2014 rank	ne hin 74 sloo	28	105	56
2020 rank	70	45	80	61
SOURCE: BUSINESSI	WORLD TOP 1,000 COA	PORATIONS, VARIOU	IS VEARS	



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Currently, MWSI (Maynilad) has two operating water treatment plants in Muntinlupa and harvests 300 million liters per day (mlpd) from the lake, serving around 1.2 million customers in the southern part of its concession area. In 2021 it started the construction of another treatment plan, designed to produce 150 mlpd of potable water to serve more customers in Cavite.

MWCI started tapping water from the lake in 2019 from its Cardona Water Treatment, Plant in Rizal, harvesting 100 mlpd.

Potable piped water is very important. yet it is very cheap. One cubic meter (cu.m.) is 1,000 liters. One drum of water is 208 liters, so one cum is nearly five drums. At the time when the President was lambasting the two water concessionaires, the water rate was only P6.13/ cu.m. and P9.63/cu.m. basic charges per month in Manila Water and Maynilad areas respectively. For consumption of 11 to 20 cu.m. per month, customers pay only P11.13/cu.m. and P16.42/cu.m. for Manila and Maynilad areas, respectively. See this column's piece at https://www. bworldonline.com/thank-you-mayniladmanila-water/ (Dec. 23, 2019).

The two firms have become so efficient in delivering water that despite the low rates charged for household consumers, they were still able to generate huge revenues and net income, reinvested to further improve water delivery efficiency (Table 3).

There. The potential benefits of dredging the lake — which will require demolition of many fish pens and fish cages — have been quantified. The higher efficiency of potable water use than fishery use has been established.

Dredging the lake to increase its fresh water holding capacity, and removing structures that trap solid waste from flowing out, are necessary so that we avoid the seemingly annual threat of a "water crists."

BIENVENIDO S. OPLAS, JR. 8 the president of Minimal Government Thinkers minimalgovernment @gmail.com





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Green groups bat for 'strong' treaty against plastic pollution

By Jonathan L. Mayuga

A Sgovernmentsfrom over 190 countries meet next week to tackle plastic pollution and other ecological-related problems, environmental groups advocating for a zero waste and toxics-free society on Monday pitched the call for a "strong" treaty that will address what it describes as a "planetary plastic pollution crisis."

The EcoWaste Coalition, Interfacing Development Interventions for Sustainability (IDIS), and Mother Earth Foundation (MEF) expressed high expectations for a strong plastics treaty when governments meet online and in Nairobi, Kenya for the resumption of session, of the fifth United Nations Environment Assembly (UNEA-5.2).

The meeting will decide whether countries should start negotiating for a global agreement on plastic pollution and the mandate of the international negotiating committee (INC) to be established, if ever, for this purpose.

"All eyes will be on UNEA-5.2 to see how governments, including our own, will come to an agreement on a robust negotiation mandate that will speed up not decelerate the required global action to stem the tide of toxic plastic pollution," Aileen Lucero, National Coordinator, EcoWaste Coalition said in a statement.

Luceroinsisted that astrongtreaty should focus on the full plastic lifecycle and not be restricted to plastic wasteormarine litter, ban toxic chemical additives in plastic and end the recycling of such hazardous substances in plastic, probibit polluting waste treatment or disposal methods, including waste-to-energy incineration, promote compulsory not voluntary or corporate-led interventions, hold plastic manufacturers and chemical producers financially responsible, and provide financial resources for implementation and monitoring.

As proposed in the draft resolution submitted by the governments of Peru and Rwanda and co-sponsored hy several memberstates, including the Philippines, the mandate of "the INC is to develop an international legally binding agreement based on a comprehensive approach to prevent and reduce plastic pollution in the environment, including microplastics, by promoting a circular economy and addressing the full lifecycle of plastics from production, consumption, and design to waste prevention, management, and treatment."

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"We appreciate the co-sponsorship by the Philippine government" of the Peru-Rwanda draft resolution, and we expect our country's active participation in the deliberations," Atty. Mark Peñalver, Executive Director, IDIS, said.

"A strong treaty will help in curbing the toxic threats in each stage of the plastic lifecycle to public health and the environment, including biodiversity and the climate," he added.

For her part, Sonia Mendoza, chairman of MEF said the strong treaty should also aim to cut down on plastic manufacturing, "knowing that the unrestrained growth in plastic production translates to an upsurge in the use of fossil fuels and toxic chemical additives."

"A globally agreed reduction target on plastic production is also essential in promoting eco-friendly alternative delivery models such as reuse and refill systems, biodegradable packaging, etc. toward a truly circular and Zero Waste society," Mendoza added.

Meanwhile, the groups urged the Department of Environment and Natural Resources (DENR), other national government agencies, and local government units (LGUs) to carry out policies and regulations that will prevent and reduce plastic pollution at the source.

Specifically, the group highlighted the need for Congress to pass comprehensivelegislation banningsingleuse plastics and imposing Extended Producer Responsibility, and for the National Solid Waste Management Commission to issue the long-overdue list of non-environmentally acceptable product and packaging materials for prohibition and phase-out in line with Republic Act 9003, or the Ecological Solid Waste Management Act.



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'Klimatotohanan' asks: 'Can art help save the planet?'



The formight by webcast series of non-profit organization The Climate Reality Project Philippines, titled Klimatotohanan, joins the celebration of National Arts Month this February by centering its most recent episode on one question: "Can art help save the planet from the prevailing climate emergency?"

The episode, titled "Can Art Help Save the Planet? Pinoy Artivists Stepping Up the Fight Against Climate Change," gathered Pilipino actists to talk about their experiences from dedicating their works to raising awareness and forwarding the discourse about the climate crisis.

For multi-awarded mutalist and activist AG Saño, art indeed has the copacity to spark action that could change the course of history. "Art has changed the world," he said, "There are a lot of freedoms we enjoy now, not just as Filipinos, but as human beings because of art."

Sano's ocuvre includes more than 900 marabs worldwide that depict peace and nature. He is also deeply involved in art movements that utilize art for the benefit of the environment, including 'Dolphins, Love Preedom' and 'Climate Pilgrimage.' The latter is dedicated to walking thousands of kilometers across Asia-Pacific and Europe to connect with communities to create dialogues and grassmost actions.

"The best results after a necade of doing this are that I would find out that some of the young people I painted with pursued marine biology, fine arts, etc.," Safio said. "They were able to translate that spark or inspiration into really concrete things that they could use as fuel for this fight."

Part of the discussion as well was digital artist and educator Bricx Martillo Dumas, the considers the arts as the easiest way to make people understand what's happening in the environment and the world

Durnas talked about his winning entry in the zoat United Nations Clineate Change Conference art competition "Digital Act 4 Chinate," titled News. The piece features a bright red background and a hand holding a cigarette between its fingers, while clutching on its galm a plastic hag with a straw. On the end of the plastic, however, is a blue tail of a fish.

"This is to emphasize plastic pollution in our occan waters," he said.

Meanwhile, OPM legend Noel Cabangon talked about the ability of music to promote awareness on key societal issues such as human rights and the environment. His hit song "Kanlungan," for example, poignantly narrates the decline of the environment through the years.

"Music is not just for entertainment," Cabangou said. "It's a tool to bring forward our causes. Every generation should be able to produce artists that will continue this (climate] advocs cy."

Contemporary and experimental filmmaker and visual artist Martha Atienza believes Filipino artists have a lot to uncover, should they choose to talk about local environmental issues. She cited herself as an example, having witnessed coastal areas change and coastilines disappear.

Atienza has done several penjects that focus on environmental issues. *Ghabaay ang Aboag Pased sa Lagat* is a film that follows the lives of local see forces to initiate dialogue on environmental and socioeconomic realities in their communities. Another is *Cur Islands II*¹⁵55.4"N 123"45 '02.0" *E*, which pushes the audience to confront cluster change as seen in the seabed of dead corals.

Creating these films inspired Atienza to launch the GoodLand Association, an initiative that aims to provide more sustainable battery solutions to compressor divers, and to set up a Bantayan Protected Area that will also generate alternative level/hood opportunities.

Lastly, the webinar featured multi-awarded theatre director Dr. Dennis Gupa, who emphasized the need to cultivate a discourse on human and nonhuman relationships, where humans are not located at the apex of power.

"We have inherited so much from this capitalist society, neoliberal society in which we position human contric the idea of materiality and money. But we don't question where things are created from," he said, "Art can deconstruct that idea of possession by generating new questions so that we can elevate our consciousness into something more critical."

The last portion of the episode asked the speakers about the best ways to engage fellow artists, especially the younger ones, in climate action.

"We should start with ourselves," said Dumas. "If there's time, go out and see the problems we face."

For Safin, it's by creating apportunities, especially for younger artists who feel they are not empowered to make initiatives.

"We could also give them the projected truths that scientists say we should expect in the near fature, dash ata haharay so mga ghawa ng mga nannang hencasyan, mga haynanyan," he said. "There's not enough time and choice but to step up. It sounds unfair but it's the reality and we have to step up to the plate and take charge."

Klimatotohanan's celebration of National Arta Month continues tomorrow in an episode, titled "Never Too Young to Lead: Emerging Phroy Artists Reimagining Climate Action". It will feature youth Ellipino activists who are "using visual artworks, Eleirary pieces, performances, and other forms of creative work to communicate the climate crisis and mobilize solutions within their networks."

The episode will sir tomorrow, February 25, at 5 pm, on Facebook Live via wseufachenic.com chantenalityphäpping:



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al study reveals **e**)

A NEW study looking at the presence of pharmaceuticals in the world's rivers found concentrations at potentially toxic levels in more than a quarter of the locations studied.

The new study looked at 258 rivers across the globe, including the Thames in London and the Amazon in Brazil, to measure the presence of 61 pharmaceuticals, such as carbamazepine, metformin and caffeine.

The researchers studied rivers in over half of the world's countries --with rivers in 36 of these countries having never previously been monitored for pharmaceuticals.

The study forms part of the University of York-led Global Monitoring of Pharmaceuti-cals Project, which has expanded significantly over the last two years, with the new study becoming the first truly global-scale investigation of medicinal contamination in the environment.

With their latest study, the researchers found that:

*pharmaceutical pollution is contaminating, water on every continent;

* strong correlations between the socioeconomic status of a country and higher pollution

of pharmaceuticals in its rivers (with lower-middle income nations the most polluted);

* high levels of pharmaceutical pollution was most positively as-sociated with regions of high median age as well as high local unemployment and poverty rates;

* the most polluted. countries and regions of the world are the ones that have been researched the least (namely sub-saharan Africa, South America and parts of southern Asta

* the activities most associated with the highest levels of pharmaceu-tical pollution included rubbish dumping along river banks, inadequate wastewater infrastructure and pharmaceutical manufacturing, and the dumping of the contents of residual septic tanks into rivers.

The study revealed that a quarter of the sites contained contami-nants (such as sulfamethoxazole, propranolol, ciprofloxacin and locatadine) at potentially harmful concentrations. The researchers hope

that by increasing the monitoring of pharmaceuticals in the environment, they can develop strategies to limit the ef-

fects potentially caused by the presence of pollutants.

noteworthy rivers such as the Amazon, Mississippi, Thames and the Mekong. Water samples were obtained from sites spanning from a Ya-nomami Village in Venezuela, where modern medicines are not used, to some of the most populated cities on the plan-

et, such as Delhi, London, New York, Lagos, Las Vegas, and Guangzhou.

While previous studies have monitored active pharmaceuticals ingredients (APIs) in rivers, these have ignored many of the countries of the world; have typically measured only a select few contaminants, and employed different analytical methods. Cumulative-, this has made it difficult to quantify the scale of the problem from a global perspective.

The study used "predicted no adverse effect concentrations (PNECs)" to determine where there may be risk for adverse effects (such as toxicity).

If the team measured a concentration in the environment above the PNEC, then there was

potential for organi living there to be ad-versely affected by the pharmaceutical. This can manifest in many ways largely dependent on what the pharmaceutical is, what organism is being exposed and at what concentration. Examples can include disrupted reproductive capabilities, altered behavfor or physiology and even changes in heart raté.

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The contaminants found at potentially harmful concentrations include:

propranolol, a betablocker for heart problems such as high blood pressure;

* sulfamethoxazole, an antibiotic for bacterial infection:

*ciprofloxacin, an antibiotic for bacterial infection;

* loratadine, an antihistamine for allergies. (ScienceDaily/University of York)

The study included



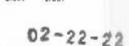
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The Manila Times



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One last, weird tourism idea from ex-environment chief

S of Thursday, February 17, according to the government's official news agency, Malacañang had already informed Environment Secretary Roy Cimatu that the resignation he had submitted a few days earlier had already been accepted "effective immediately." Yet on Saturday, February 19, here Cimatu still was, issuing a statement to announce another bizarre idea of the sort that, rightly or not, has come to characterize the Department of Environment and Natural Resources (DENR) under his tenure.

In partnership with the Department of National Defense (DND), Cimatu said, the DENR was going to build a replica of one of the 14-inch gun emplacements of Fort Drum along the Manila Baywalk near Remedios Street. Fort Drum, of course, is the famous "concrete battleship" built over what was once El Fraile Island off the coast of Ternate. Cavite. guarding the southern edge of Manila Bay.

"DENR and DND will construct a replica of a Fort Drum Island cannon near Manila's Remedios drainage outfall to serve as a physical reminder of the [DENR's] commitment and willpower in our battle to rehabilitate Manila Bay." Cimatu said. "This landmarkshall depict the three battles in Manila Bay — the Spanish-American War,



Japanese American War, and now, the modern Battle for Manila Bay."

Oh, for God's sake. What kind of non sequitur nonsense is that? Fort Drum was built over a five-

year period from 1909 to 1914 by the US Army Corps of Engineers, and was named for a former US Adjutant General who had served in the Mexican War and Civil War, and died just as construction was getting under way. The idea for the fort came from the brief and ineffective use of El Fraile Island as a gun platform by Spanish forces on the night of April 30, 1898, when US Commodore George Dewey's naval squadron sailed into Manila Bay.

Already outdated by the time it was built. Fort Drum nevertheless saw significant action in the last stages of the Japanese campaign to capture Manila, firing on Cortegidor and Japanese transports in the bay. It was surrendered to the Japanese, who manned it with a small garrison and a few guns (the big turreted batteries had been wrecked by the Americans before

KRITZ FROM A4

they gave up), but played no role in any other fighting in the war until April 13, 1945. A detachment of US Marines was able to land on the fort, and rather than fight their way inside, decided on the gruesome expedient of dumping several hundred gallons of diesel fuel and gasoline down the air shafts and setting it alight, incinerating the 68 Japanese soldiers inside. Except for the Coast Guard installing an automated navigation light on the fort's top about 20 years ago and occasional visits from scavengers, the landmark - which is technically a war grave that should be left alone - has been abandoned since its last action 77 years ago.

What any of that has to do with the effort to clean up Manila Bay is a mystery to anyone who isn't Roy Cimatu. The history of the fortification is unique and worth preserving, but its utility as a symbol of success is rather dubious. As El Fraile Island, the scratch Spanish fortification of three small-caliber cannons attracted the US squadron's for all of about 20 minutes before being simply ignored. During the "Japanese-American" War (I would think the Chinese, Indians, Burmese, Malavsians, Indonesians, Vietnamese, Dutch, Australians and British would all like a word with you about calling it that, Mr. Cimatu), as Fort Drum,

it was first bravely surrendered by the Americans, and then as whatever the Japanese called it, turned into a crematorium.

Given that the news about yet another large, unnecessary, and out-of-scope cosmetic expenditure by the DENR reached the public on the very same day as a statement by Finance Secretary Carlos Dominguez 3rd that "the country may need to raise taxes to cover Covid-19 loans," the idea met with much less enthusiasm than Cimatu likely anticipated.

One of the frustrating things about the Philippine government is that it is an all-too-common practice for agencies at various levels to put a great deal of effort and resources into marketing the fact that they are doing the job they should be minimally expected to do. The complex project to clean up Manila Bay, which is spearheaded by the DENR and the Department of the Interior and Local Government, with the participation of a dozen or so other agencies, is progressing very well, as a matter of fact, and it should be. That is precisely the sort of work that DENR exists to do in the first place.

But rather than let the results speak for themselves, and let the improvement in everyday quality >KritzA5

of life convince the people that their expectations for "functioning, effective government" are indeed being satisfactorily met, the DENR under Cimatu — perhaps driven by a diffidence borne of his holding for four-and-a-half years a job for which he has no real professional qualifications — has felt compelled to make a show of it. Which, as we have seen, apparently involves the DENR moonlighting as the Department of Tourism.

Aesthetic improvements are not automatically bad. There is nothing wrong with the DENR's other cosmetic idea, the "dolomite beach," except its timing; it is a large noncritical expenditure that should not have come

One last ahead of the completion of the bay rehabilitation project that it does not substantially contribute to in any way, and especially not during a period when any government expenditure must be carefully rationalized against other, obviously more vital priorities. The same is true of the proposed "Fort Drum monument." It's an interesting and different idea, and would be pleasing if it was added at the appropriate time. Adding it at the wrong time, however, as an attempt to demonstrate to the people that the DENR is doing its job, simply backfires and instead, gives the impression that it is not.

> ben.kritz@manilatimes.net Twitter: @benkritz

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Headline

PH's daily new Covid-19 cases drop to just 1,427

By Ma. Teresa Montemayor February 21, 2022, 5:07 pm



MANILA – The Department of Health on Monday logged 1,427 new cases of coronavirus disease 2019 (Covid-19), pushing the nation's overall tally of confirmed infections to 3,653,526.

This is so far the lowest number of daily infections recorded in the country this year and the third straight day where fresh infections are below 2,000.

The latest Covid-19 bulletin indicated 58,657 active cases while total recoveries rose to 3,539,106 after 3,269 new recovered cases were recorded.

Out of the active cases, 53,326 are mild, 2,845 are moderate, 760 are asymptomatic, 1,422 are severe, and 304 are critical.

"Of the 1,427 reported cases today, 1,389 (97 percent) occurred within the recent 14 days -- Feb. 8 to 21, 2022," the DOH reported.

The regions with the most cases in the recent two weeks were the National Capital Region (NCR) with 318 or 23 percent, Calabarzon with 168 or 12 percent, and Western Visayas with 159 or 11 percent of the new infections.

The death toll has reached 55,763 with 79 new deaths, representing 1.53 percent of overall cases.

"Of the 79 deaths, 66 occurred in February 2022 (84 percent), eight in January 2022 (10 percent), four in October 2021 (5 percent), and one in September 2021 (1 percent) due to the late encoding of death information to COVIDKaya," the DOH said.

COVIDKaya is a digital application used by healthcare workers to collect and share data about Covid-19 cases.

According to the February 19 data, about 7.5 percent of 25,000 who were tested turned out positive for coronavirus.

"Some 104 duplicates were removed from the total case count as 98 of these are recoveries," the DOH said.

Meanwhile. 52 cases previously tagged as recoveries were reclassified as deaths after

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All laboratories were operational on February 19 but five were not able to submit their data to the Covid-19 Document Repository System.

The DOH said the three laboratories contributed, on average, 0.1 percent of samples tested, and 0.3 percent among positive individuals based on data in the past 14 days.

To date, 30 percent of 3,800 intensive care unit (ICU) beds, 24 percent of 20,700 isolation beds, 20 percent of 14,500 ward beds, and 16 percent of 2,100 ventilators are used by patients with Covid-19 nationwide.

In the NCR, 28 percent of 1,200 ICU beds, 22 percent of 4,600 isolation beds, 26 percent of 4,100 ward beds, and 19 percent of 1,000 ventilators dedicated to patients with Covid-19 are in use. (*PNA*)



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NCR mayors set to tackle possible shift to Alert Level 1

By Raymond Carl Dela Cruz February 21, 2022, 6:02 pm



(PNA photo by Joey Razon)

MANILA – The Metro Manila Council (MMC) is set to discuss the possibility of shifting to the most relaxed Alert Level 1 in the region, an official of the Metropolitan Manila Development Authority (MMDA) said on Monday.

During a Laging Handa briefing, MMDA officer-in-charge General Manager Romando Artes said the MMC -- composed of the 17 mayors in NCR -- are scheduled to discuss the topic on Tuesday night based on the region's current coronavirus disease 2019 (Covid-19) risk classification, health care utilization rate, and continued decline in cases.

"Iyan po ay ibabase ng mga Mayor sa datos po na araw-araw naman po narireceive namin from DOH (Department of Health), IATF (Inter-Agency Task Force for the Management of Emerging Infectious Diseases), NTF (National Task Force Against Covid-19) at ganundin po iyong kanilang experience sa ground (The mayors will decide based on data that we receive every day from the DOH, the IATF, NTF, and also from their experience on the ground)," Artes said.

To date, he said their target number of vaccinated individuals before considering a shift to Alert Level 1 has already been reached, with mostly the pediatric population, those with comorbidities, and the elderly that are still being vaccinated.

"Sinisimot na lang po natin dito sa NCR iyong mga may comorbidities at iyong mga ilan pa pong mga senior citizens na dapat pa pong mabakunahan at gayundin po pinapalawig pa rin po natin iyong booster shot na medyo iyon po ang medyo below target po tayo (We are still looking for the rest of those with comorbidities and senior citizens that need to be vaccinated and we are still rolling out our booster shots as we're slightly below target)," Artes said.

To avoid a possible increase in vehicular traffic once the NCR shifts to Alert Level 1, he said the MMDA is working to clear 'Mabuhay Lanes' or alternative lanes in NCR and is studying the possibility of expanding the current Unified Vehicular Reduction Program (UVVRP) or number coding scheme beyond the current schedule.

"Sa ngayon po kasi, it's only Monday hanggang Friday, between 5 to 8 p.m. lamang po. So, aaralin po natin kung kailan talaga (Right now it's only Monday to Friday, between 5 to 8 p.m. So, we're looking into whether it's really necessary)," Artes said.

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To date, the NCR and most of the country are under Alert Level 2 with the number of daily Covid-19 cases showing a sustained decline.

Earlier, DOH Undersecretary and treatment czar Leopoldo Vega said the IATF would consider a shift to Alert Level 1 by the end of February, noting that while the current metrics are good and Alert Level 1 will return "almost everything" to normal, Covid-19 and its virus are seen to remain. (**PNA**)



Pinas kinilala ang vax certificate ng 8 pang bansa

Malou Escudero - Pang-masa February 22, 2022 | 12:00am



Image from the website of the city government of Davao.

MANILA, Philippines — Nadagdag sa listahan ng Pilipinas ang pagkilala sa vaccination certificates ng walong bansa laban sa COVID-19.

Ayon kay Cabinet Secretary at acting presidential spokesperson Karlo Nograles na inaprubahan ng Inter-Agency Task Force (IATF) on Emerging Infectious Diseases ang pagtanggap sa vaccination certificates ng mga biyaherong manggagaling sa Egypt, Maldives, Palau, Albania, Estonia, Greece, Malta at Uruguay.

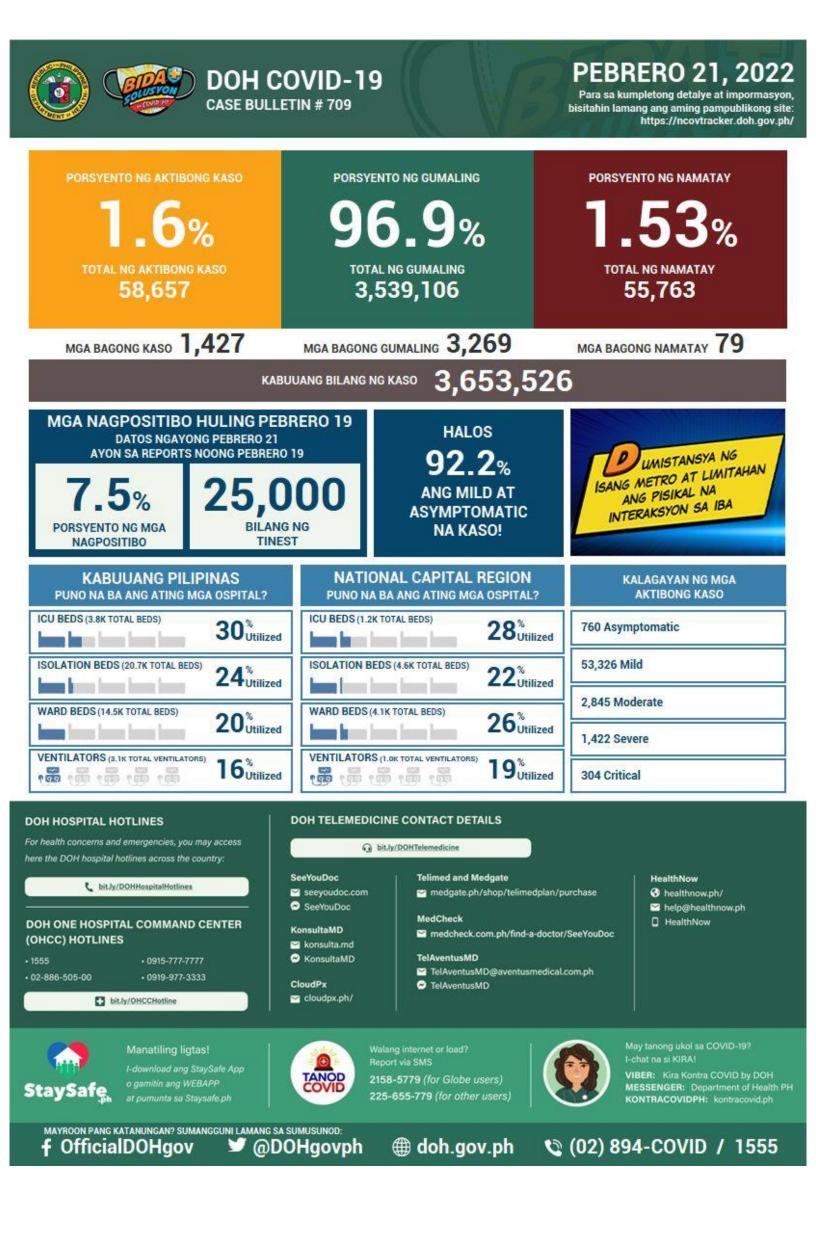
Muling inatasan ng IATF ang Bureau of Quarantine, Department of Transportation One Stop Shop at Bureau of Immigration na kilalanin ang mga katibayan ng bakuna laban sa COVID-19 ng mga nabanggit na bansa.

Una nang kinilala kamakailan ang vax certificates ng mga bansa tulad ng Argentina, Brunei, Darussalam, Cambodia, Chile, Denmark, Ecuador, Indonesia, Myanmar, Papua New Guinea, Peru, Portugal, Spain, Azerbaijan, Macau Special Administrative Region at Syria.

Source: <u>https://www.philstar.com/pang-masa/police-metro/2022/02/22/2162466/pinas-kinilala-ang-vax-certificate-ng-8-pang-bansa</u>

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Covid-19 Situation and Response



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