

20 JANUARY 2021, WEDNESDAY



DENR

NEWS ALERTS

STRATEGIC COMMUNICATION AND INITIATIVES SERVICE



DENR chief orders strict law enforcement on illegal wastewater discharge in Manila Bay

By Ma. Elaine P. AllaniguePublished on January 19, 2021

QUEZON CITY, Jan. 19 (PIA) -- Environment Secretary Roy A. Cimatú has ordered the establishment of engineering interventions and strict enforcement of environmental laws to stop illegal wastewater discharge along Roxas Boulevard amid the ongoing rehabilitation of Manila Bay.

"In order to solve the pollution in the waters of Manila Bay, we at the Department of Environment and Natural Resources (DENR) should trace all the illegal pipes that directly drain polluted wastewater to the bay," Cimatú said.

The DENR chief issued the statement after a culvert or drainage pipe discovered hidden behind boulders at Station 640 along the Manila Baywalk on Roxas Boulevard was found to be discharging untreated wastewater directly into the bay.

Based on water analysis, fecal coliform count in the area was significantly high at 50 million most probable number per 100 milliliters (MPN/100ml).

After further inspection, three more alleged culverts along the baywalk were discovered. Pipes were found beside the Remedios drainage outfall

across Aristocrat Restaurant, Station 240 beside the Padre Faura outfall, and near the Estero San Antonio de Abad outfall.

The coliform level, specifically at the Remedios outfall, was measured at 32 million MPN/100 ml. A total of 33 intake drainages were also observed from the US Embassy to the Manila Yacht Club.

Water coming from these drainages flow into a line drainage canal along the baywalk, drain towards the Remedios outfall, and eventually to Manila Bay.

"We will continue to examine more closely these culverts, illegal connections, and outfalls. Otherwise, these will continue to spew out pollutants that can impede our progress in the rehabilitation of Manila Bay," Cimatú said.

He added that the DENR will conduct further investigation to determine which establishments are connected to the illegal pipes.

"We will study the legal actions we can pursue against these establishments to ensure that they are made accountable for their violation of environmental laws," Cimatú said.

"We want to make all violators realize that laws shouldn't be taken lightly if we want to see a behavior change in the next generations."



At the same time, Cimatu ordered the immediate plugging of these illegal outfalls in order to stop the flow of untreated waters that continue to pollute the bay, and for concerned establishments to connect to official sewer lines.

He also instructed the Manila Bay Task Force to conduct desiltation and rehabilitation of line drainage canal to improve water flow in the Padre Faura and Remedios outfalls. (DENR/PIA-NCR)



2,000 Central Luzon residents receive land titles from DENR

[IAN OCAMPO FLORA](#)

January 19, 2021

OVER 2,000 residents and their families in Central Luzon received free patents or land titles from the Department of Environment and Natural Resources (DENR) in 2020.

The DENR credits this to the improved land administration and management program of the agency in the region that resulted last year in the distribution of 2,249 residential patents covering some 47 hectares.

DENR regional office executive director Paquito Moreno Jr. said the land title distribution has covered some 47 hectares.

"Land title is the most concrete proof of ownership over a land you occupy. And this 'Handog Titulo' program is the modest government contribution in promoting social justice and alleviating poverty in the rural sector," he said.

Moreno said the improved land administration and management is one of the priority programs of Environment Secretary Roy Cimatu that is anchored in the 10-point socio-economic agenda of President Rodrigo Duterte of ensuring security of land tenure, to encourage investments, and address bottlenecks in land management and tilting agencies.

Meanwhile, the DENR Provincial Environment and Natural Resources Office (Penro) in Tarlac awarded last week a special patent to the Provincial Hospital of Tarlac covering more than nine hectares.

The special free patent is covered under Section 4 of Republic Act 10023, or "An Act Authorizing the Issuance of Patents to Residential Lands.

"We hope that this special patent will further empower our health workers in our battle over Covid-19 pandemic," Moreno said, adding that land title provides incentives for investments in land and therefore creates an impetus for sustainable economic development.

Susan Yap, governor of Tarlac, expressed her gratitude to the prompt action of the government to address land issues and concerns in the province.

"Finally, after almost a century of serving the sick people of the Tarlakeños, the Tarlac Provincial Hospital now has its own title registered in its name," she said.

Since 2011, the land distribution program of DENR has benefitted around 345,000 farmers and their families from the issuance of 63,381 land titles covering 19,504 hectares in the region.

The DENR is set to distribute another 1,725 residential free patents this year.



EMB orders SLF operator to pay penalty, rehab landfill

Tuesday, January 19, 2021 Zaida I. Delos Reyes¹²

THE Environmental Management Bureau of the Department of Environment and Natural Resources (DENREMB) has ordered the Econest Waste Management Corporation (Econest WMC), operator of the Hermosa Sanitary Landfill Facility in Bataan, to pay a penalty for allegedly violating its Environmental Compliance Certificate (ECC) and to cause the immediate rehabilitation of the area.

In a 17-page EMB Resolution issued by OIC-Director, Engr. William Cunado, Econest was ordered to pay P150,000 as assessed and computed by the EMB for violation of its ECC conditions.

According to Engr. Cunado, EMB is requiring the proponent-respondent (Econest) to cause the immediate rehabilitation of the landfill and removal of hazardous wastes for proper treatment and disposal, and the proper handling and disposal of the electrical and electronics wiring rubber insulators found stockpiled in the project site.

On February 20 last year, Hermosa Mayor Jopet Inton personally served the cease and desist order from the local government ordering the temporary stoppage of operation of the Hermosa Sanitary Landfill Facility (Hermosa SLF) operated by Econest WMC.

Before its closure, Hermosa LGU and the EMB-DENR issued separate notices of violations to Econest WMC citing its operation “*without a valid Discharge Permit and Hazardous Waste Generator Registration Certificate, some of its treatment units on their leachate treatment facilities have no protective lining which may cause groundwater contamination due to leachate seepage.*”

The EMB’s Resolution dated January 04, 2021 stated:” *Furthermore, considering the violations are on the ECC conditions and in line with the accountability clearly indicated in the Sworn Statement of the Owner/Authorized Representative executed by Atty. Beulah Coeli C. Fiel, President of Econest, dated October 24, 2017, which states ‘I Beulah Coeli C Fiel, proponent of the Sanitary Landfill Facility located in Brgy. Mambog, Hermosa, Bataan, takes full responsibility in complying with all conditions contained in this Environmental Compliance Commitment (Environmental Compliance Certificate or ECC)’*“. The ECC issued by the EMB to Econest WMC was also suspended “*without prejudice to the conduct of rehabilitation as previously stated.*“



Hermosa landfill ordered closed

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Urdaneta dump's operation 'illegal'

By Jaime G. Aquino

January 20, 2021

URDANETA CITY, Pangasinan: The Department of Environment and Natural Resources (DENR) should stop the “illegal” operation of a 10-hectare open dump in Barangay Catablan that supposedly has been endangering the health of thousands of residents in this city and three towns.

The request was made on Tuesday by officers and members of the Citizens Movement Against Corruption, Crime, Illegal Drugs and Gambling Inc. headed by professor Salvador Singson-de Guzman.

The group also requested the DENR to issue an urgent temporary closure order to stop the operation of the open dump.

It alleged that city personnel running the dump harass those who complain about the hazards it poses to residents.

The dump has been ordered closed many times by the DENR over the foul odor that it causes but its operations resume after only a few weeks, according to a former barangay (village) councilman here.

The dump is being operated by the city government and reportedly brings about P15 million in monthly income.

The residents also complained that flies and other insects swarming the dump destroy whatever vegetables they plant.

The dump is used by the cities of Dagupan, San Carlos and Urdaneta, as well as the towns of Sison, Mangaldan, Pozorrubio, Villasis, Alcala, Santo Tomas, Bautista, Mapandan, Malasiqui, Bayambang, Calasiao, Santa Barbara, Rosales, Asingan, Tayug, Santa Maria and Manaoag—all in Pangasinan—and other towns and cities, including Baguio City.

Originally, the city government used the name ‘Engineered Sanitary Landfill’ in securing a permit to operate from the DENR in 2007.

The “landfill,” however, is already filled to the brim.

Its operation is illegal, de Guzman said, citing Republic Act 3009.

He added that he was wondering why the city government of Urdaneta cannot address the complaints of residents when it earns P15 million monthly from operating the dump.

Barangay officials from nine villages of Urdaneta City have approached De Guzman’s group to seek help in bringing their constituents’ complaints to the attention of DENR Secretary Roy Cimatu.

Tawi-Tawi nickel island mined out

By [Al Jacinto, TMT](#)

January 20, 2021

ZAMBOANGA CITY: A satellite photo of the southern Philippine island of Tumbagaan in Tawi-Tawi's Languyan town shows the devastation caused by nickel mining there.



WHAT'S LEFT A Google Maps satellite photo of Tumbagaan Island in Tawi-Tawi's Languyan town shows how the island has been devastated by nickel mining. Tumbagaan was once covered by thick vegetation. PHOTO BY AL JACINTO

The Google Maps photo accessed by The Manila Times shows about 90 percent of the island had been mined.

But the different shades of colors of the island, which was once covered in thick vegetation, indicate fresh mining activities.

Just last week, President Rodrigo Duterte, who was made aware of the mining devastation in Tumbagaan, ordered a stop to all mining operations in Tawi-Tawi.

Cabinet Secretary Karlo Nograles said Duterte was very much concerned about reports that Tumbagaan Island has been completely devastated by mining activities.

“The island has, at this point, been mined out. And while rehabilitation efforts are under way, the President is issuing a directive to stop any and all mining,” he said.

Duterte also ordered authorities to step up rehabilitation by planting trees in areas devastated by nickel mining.

But surprisingly, Duterte did not order an investigation of the mining activities in Tawi-Tawi or who were the groups behind the environmental destruction, and why it was not acted upon by the Department of the Environment and Natural Resources (DENR), particularly the Mines and Geosciences Bureau.

Environmentalists said nickel mining activities have destroyed the environment on Tumbagaan Island and other sites in Tawi-Tawi.

It was unknown whether Duterte's order had anything to do with his recent meeting in Davao City with Nur Misuari, chairman of the former rebel group Moro National Liberation Front.

During the meeting, Misuari gave Duterte documents and raised some concerns on Tawi-Tawi. Mining money was also being used to bankroll political campaigns in the Bangsamoro Autonomous Region in Muslim Mindanao (BARMM) comprising the provinces of Tawi-Tawi, Basilan, Sulu, Lanao del Sur and Maguindanao.



Assembly of the previous and now defunct Autonomous Region in Muslim Mindanao (ARMM), which was replaced by the BARMM, asked the DENR to issue an order stopping all destructive mining activities in the Muslim autonomous region.

In September 2019, the BARMM said it suspended all nickel mining operations in Tawi-Tawi to pave way for a review of the region's mining policy.

Details of the review were not made public, however.

The Philippines was the world's second-largest nickel ore producer in 2018 after Indonesia, with both Southeast Asian countries as the top two suppliers to China.

Latest available industry data showed that 2.34 million wet metric tons (WMT) of high-grade ore, or nearly 90 percent of 2.66-million WMT of the high-grade material the Philippines exported to China in the first half of 2018 came from Tawi-Tawi, one of the five provinces under the BARMM.

Tawi-Tawi accounted for 27 percent of overall nickel ore exports, totalling 15.8 million WMT, to China during the six-month period.

In 2016, ARMM Assemblyman Hanibal Tulawie, then chairman of the Committee on Environment and Ecology, said a resolution was passed asking the DENR to immediately issue a "cease-and-desist" order on all mining companies operating in Tawi-Tawi and also in Basilan, Sulu, Lanao del Sur and Maguindanao provinces after he received numerous complaints from the public and environmentalists who are opposed to destructive mining methods.



Vice gov eyes 2-year stop of quarry operation in Negros Occidental

[TERESA D. ELLERA](#)

January 19, 2021

VICE Governor Jeffrey Ferrer is proposing a two-year stoppage of quarry operations in the province.

Ferrer made the proposal after flash floods hit the province's northern areas early this month.

The vice governor said the stoppage will be made and the Provincial Government will conduct a field inspection and review of all quarries.

If it is found out that these quarries are a major cause of the flooding in the lowland, Ferrer said he will push for the suspension of all quarry operations in Negros Occidental for two years.

He said he and Board Member Andrew Montelibano (3rd district), chairman of the Committee on Environment of the Provincial Board, will lead an inspection team of the Provincial Government.

Montelibano said the inspection will be both aerial and ground inspection.

"There are reports that there are illegal quarries. They will be our target of our inspection," he said.

Montelibano said he received a report that a bridge in the town of Manapla was damaged because of the erosion caused by a quarry located near it.

Those with permits will be made to strictly comply with government regulations, he added.

Montelibano said he plans to start the inspection in two weeks after talking with the personnel of the Provincial Environment Management Office (Pemo) on the technical aspects of the inspection that will be conducted.

There are currently a thousand pending applications for quarry permits at the Pemo, he said.

"I think there is a need to balance the development of our infrastructures and the protection of our river system," he said.

"What will happen is that we build something but we destroy something too," Montelibano added.

Source: <https://www.sunstar.com.ph/article/1883301/Bacolod/Local-News/Vice-guv-eyes-2-year-stop-of-quarry-operation-in-Negros-Occidental>



Nagbunyag sa black sand mining sa Cagayan River, dapat imbestigahan

On Jan 19, 2021



MALAKING palaisipan sa mga Aparrianos at Cagayanos kung bakit hindi pumirma sa Resolution No. 2019 (ss)-041a na may petsang July 29, 2019 ang isang mataas na opisyal na ginanap sa session hall ng Sangguniang Bayan ng Aparri.

Ang naturang resolusyon ay humihiling sa Department of Environment and Natural Resources (DENR) Region 2 sa pamamagitan ni Atty. Antonio A. Abawag, CESO 1V Regional Executive Director ng agarang pagpapalabas ng “Cease and Desist Order” laban sa Pacific Offshore Exploration Incorporated dahil sa isinasagawa nitong “dredging operation” sa Cagayan, River.

Nakasaad din umano sa resolusyon ng Sangguniang Bayan ng Aparri na mismong ang provincial government ng Cagayan ay umamin na walang “dredging plan” at “dredging permit” mula sa Department of Public Works and Highways (DPWH), Department of Environment and Natural Resources (DENR), Department of Interior and Local Government (DILG) at Department of Transportation (DOTr) ang naturang kumpanya.

Ipinaliwanag din sa naturang resolusyon na kung walang dredging plan at dredging permit sa mga ahensiya ng gobyerno, malinaw umano na hindi pinag-aralan ang masamang epekto ng paghuhukay sa Cagayan River.

Kabilang sa mga barangay na apektado ng dredging operation ng Pacific Offshore Exploration Incorporated na sinasabing pag-aari ng mga Tsino ay ang Barangay Bisagu, Barangay Punta, Barangay Toran at Barangay Macanaya.

Ano ang dahilan ng isang mataas na opisyal ng Sangguniang Bayan at hindi siya pumirma sa kanilang resolusyon? Samantalang ang Mayor Bryan Dale Chan ng Aparri ay pumirma?

Malaki rin ang hinala ng mga taong simbahan at Cagayanos na hindi dredging operation ang ginagawa ng dayuhang kompanya kundi black sand mining na ibinibenta nang mahal sa bansang Hong Kong.

Alam ba ninyo na ang lalawigan ng Cagayan ang pangunahing pinagmumulan ng black sand na dinadala sa Hong Kong para gamiting panambak sa Airport 3 Reclamation Projects? Samakatuwid, milyong-milyong dolyares ang nakapaloob dito na posible umanong aabot sa halagang \$50 milyon.

Kapag ganoon kalaki ang pinag-uusapang halaga ay posibleng may kumikitang opisyal ng Aparri at provincial government ng Cagayan.

Ayon sa mga residente ng Aparri, hindi sila kayang palusutan ng mga taong nanunungkulan dahil kitang-kita sa video ang pagsipsip ng malaking tubo ng barkong pag-aari ng Chinese Company.

Isa nga namang kalokohan na papayag ang kompanyang The Pacific Offshore Exploration Incorporated na mag-dredging nang libre na walang kikitain?

Kung gaano ka ingay noon ang ginawang pagbunyag ng isang opisyal ng DPWH region 2 sa talamak na black sand mining na sinasabing kumikita ng P2 milyon kada buwan ang ilang opisyal sa Cagayan ay sobra umano ng tahimik ngayon?



Samantala bukod sa Aparri ay talamak ang black sand mining sa bayan ng Claveria ayon sa grupong Pinoy Aksyon for Governance and the Environment (Pinoy Aksyon).

Subaybayan natin!

Para sa inyong mga suhestyon, reaksyon at opinyon ay mag-email lang sa balyador69@gmail.com.

Samantala, laging subaybayan ang palatuntunang “walang personalan trabaho lang” mula lunes hanggang linggo 11:00am-12:00nn sa RADYO NG MASA entertainment net radio. Tuwing sabado at linggo 12:00nn-12:30pm sa DWBL 1242 kHz am band at 10:00am-11:00am sa DWXR 101.7FM – Mapapanood livestreaming via Facebook at Youtube!

Source: <https://www.policefilestonite.net/2021/01/19/nagbunyag-sa-black-sand-mining-sa-cagayan-river-dapat-imbestigahan/?fbclid=IwAR2Pwe5kTZbjirStDMgfpOYF3JfOQBQ2YJy5UpMjafbD2O3bkBgufPoP5wA>



NAMRIA wagi ng 2 award sa FOI Awards



January 19, 2021 @ 8:00 PM 10 hours ago

Manila, Philippines – Nagkamit ng dalawang karangalan ang National Mapping and Resource Information Authority sa naantalang 2019 Freedom of Information Awards.

Kabilang sa mga karangalang natanggap ng NAMRIA ang top requested and performing agencies in the eFOI Portal, partikular na sa kateryang agencies with above 50 requests and with at least 80% closed transaction.

Ito'y bilang pagkilala sa kontribusyon ng NAMRIA at mga accomplishment nito bilang suporta sa pagpapatupad ng mga programa ng FOI.

Kasama rin sa mga pinarangalan si Zenaida A. Leaño, ng NAMRIA, bilang isa sa Best FOI Officers with agency's performance rate of 99% and above.

Bunsod naman ito sa kanyang aktibong partisipasyon bilang FOI Officer sa FOI activities, consistent communication sa FOI-PMO; pagkakaloob ng rasonableng tulong sa requesting party at performance rate ng ahensya na 90% pataas.

Nakapaloob ang karangalang ito sa FOI Awards Resolution No. 01 na natanggap ng NAMRIA nitong Enero 6, 2021 lamang na umano'y batay sa deliberasyon na isinagawa ng FOI Awards Screening Committee noong Nobyembre 14, 2019 sa ikalawang palapag ng Casa Roces, Malacañang Compound, Manila.

Nakasaad sa Resolusyon na ang naturang awards ay batay sa Executive Order (EO) No. 2, s. 2016, na ipinalabas ni Pangulong Rodrigo R. Duterte noong Hulyo 23, 2016 para i- operationalize o patakbuhan ang People's Constitutional Right to Information and the State Policies" para mailahad nang buo sa publiko at magkaroon ng transparency sa public service.

Samantala, batay naman sa Memorandum Order No. 10, S. 2016, itinalaga ang Presidential Communications Operations Office (PCOO) bilang lead agency sa pagpapatupad ng EO No. 2, S. 2016, at ng iba pang Freedom of Information (FOI) programs at initiatives, kabilang na ang electronic FOI sa Executive branch.

Ang FOI Awards ay itinatag noong 2017 para kilalanin ang pagsisikap ng mga ahensya ng pamahalaan, indibidwal at organisasyon na nakapag-ambag sa kaunlaran at progreso ng FOI Program.

Nakasaad naman sa Section 4 ng FOI-MC No. 02, S. 20 19 na ang FOI Awards Secretariat, na kinabibilangan ng FOI-PMO sa pamumuno ng Chief of Compliance Monitoring Division, ay dapat na magsumite ng listahan ng mga nominado sa FOI Awards Screening Committee.



Habang nakasaad naman sa Section 6 ng FOI-MC No. 02, S. 2019 na ang FOI Awards Screening Committee ay dapat na kinabibilangan ng mga kinatawan mula sa Office of the Executive Secretary bilang Chairperson, kinatawan o representative mula sa FOI-PMO at isang kinatawan sa bawat academe, media organization at Non-Government Organization/Civil Society Organization bilang miyembro na may equal voting rights at ang listahan na isinumite ng Secretariat, “within thirty (30) days upon receipt ay dapat na ikunsidera, amyendahan o palitan ng Committee at mamili ng mananalò mula sa pinal na listahan na napagkasunduan ng mga miyembro ng Committee .

Samantala, nakasaad sa Section 1 na ang FOI Awards Screening Committee ay kinabibilangan nina Atty. Kim Raisa Uy, assistant secretary, Office of the Executive Secretary, bilang chairperson; Atty. Kristian Ablan, assistant secretary; Presidential Communications Operations Office bilang FOI Program Director; Ms. Emma Rey, pangulo ng Philippine Librarians Association Inc. bilang member na kumakatawan sa academe; Mr. Paul Gutierrez, dating pangalawang pangulo at ngayo’y pangulo ng National Press Club, bilang kinatawan ng media organization; Ms. Mariefe del Mundo, membership program officer, kinatawan ni Executive Director Roselle Rasay, Caucus of Development NGO Networks, bilang kinatawan ng civil society organizations na may advocacy para sa transparency, accountability at open governance at Ms. Eden Darlene Mendoza, Presidential Communications Operations Office, bilang FOI Awards Secretariat Head.

Nakasaad naman sa Section 2 na ang FOI Champion awards ay ipinagkaloob batay sa “exemplifying and industry of the awardees” na nagbigay ng karangalan para sa kani-kanilang tanggapan at pagkilala sa pamamagitan ng “excellence and distinction in the pursuit of ensuring the Constitutional mandate of right to information.”

Nakasaad naman sa Section 3 na ang FOI Recognition ay ipagkakaloob sa Private Entities o Individuals o Non-Government Organizations/Civil Society Organizations para sa kanilang pagsisikap at accomplishments na sumusuporta sa implementasyon ng FOI program, kabilang ang NAMRIA.

Nakasaad sa Section 4 na ang pagkilala ay marapat na ibigay sa (3) FOI Officers na nagpakita ng “exceptional o significant contribution” sa FOI program’s progress and development kung saan kabilang si Leaño, ng NAMRIA.

Ang nasabing resolusyon ay may lagda nina Eden Mendoza, 2019 FOI Awards Secretariat at mga miyembro ng 2019 FOI Awards Screening Committee na sina Mariefe L. del Mundo, Paul M. Gutierrez, Emma B. Rey, Atty. Kristian R. Ablan (miyembro at FOI Program Director at Atty. Kim Raisa O. Uy, chairperson. **KRIS JOSE/Santi Celario**



DENR-LMB GINAWARAN BILANG “TOP REQUESTED AND PERFORMING AGENCY” NG FOI AWARDS



January 20, 2021 @ 12:29 AM 5 hours ago

MULING kinilala ang Department of Environment and Natural Resources Land Management Bureau (DENR-LMB) sa ikalawang pagkakataon bilang isa sa “Top Requested and Performing Agencies” sa eFOI (Freedom of Information) portal para sa taong 2020.

Ipinagkaloob ito ng Presidential Communications Operations Office (PCOO) sa pamamagitan ng isang virtual ceremony.

Kilala sa pagtataguyod ng freedom of information, nakamit ng LMB ang pagkilala dahil sa taas ng grado nito sa pagsagot sa mga hiling na impormasyon ng publiko.

“I’d like to commend the LMB for exercising information transparency and responsibility amidst the challenges brought by the COVID-19 pandemic. Your commitment in the service is truly admirable. Let us continue this success for 2021,” ani DENR Secretary Roy A. Cimatu.

Ang LMB ay matagumpay na nakapagproseso ng 90% ng information requests bagama’t may ipinatutupad na quarantine, sa pamamagitan ng inisyatibo na maglagay ng FOI Desk sa Public Assistance Section (PAS) sa ilalim ng Records and Knowledge Management Division (RKMD) upang sagutin ang lahat ng katanungan at kahilingan tungkol sa lupa.

“We are honored to be recognized again as one of the ‘Top Requested and Performing Agencies’ for this year. This motivates us to continue working and providing Filipinos with access to information particularly on land matters. We thank the PCOO for recognizing our efforts on FOI,” saad ni LMB Director Atty. Emelyne V. Talabis.

Ang FOI Awards ay taunang ginaganap na layuning mabigyan ng pagkilala ang mga natatanging kontribusyon ng government offices sa executive branch kabilang na ang government-owned and controlled corporations (GOCCs), state universities and colleges (SUCs) at local water districts (LWDs), para na rin mabigyan ng pag-unlad ang FOI program ng PCOO.

Sa taong 2020, ang FOI Awards ay may temang “Committed, Responsive and Revolutionary” nagsusulong ng: Commit—that government institutions shall continue to uphold the people’s right to access information and initiate important discourses in bridging current policy and implementation gaps; Respond—that government institutions shall pursue to make critical and informed decisions based on timely, credible, and verified information and take on an active role in addressing disinformation; and, Revolutionize— that government institutions shall seek and adopt innovative methods in building and reconstructing better systems and approaches which facilitate the effective disclosure of information all amidst the COVID-19 pandemic.



Ang FOI program ay ipinatutupad batay sa Executive Order (EO) No. 2 series of 2016 na nagpapasagawa sa Executive branch ng karapatan ng publiko na makakuha ng impormasyon at mailahad ng buo at magkaroon ng transparency sa pagbibigay ng serbisyo publiko.



PHL trails Asean peers in tackling environmental risk

By Bianca Cuaresma

January 20, 2021



Plastic sachets, which make up more than half of single-use plastic, are a growing concern as they continue to pile up in the environment.

THE Philippines scored the poorest in the region in terms of handling potential environmental risks, something that an international think tank said could hurt its credit profile with its potential adverse impact on the economy, on public finance or balance of payments.

In its most recent assessment of the Environmental, Social and Governance (ESG) standing of all its rated economies, international credit watcher Moody's Investor Service said the Philippines has the lowest Environmental Issuer Profile Score in the Asean-5 bloc.

The Environmental Issuer Profile Score is a rating based on Moody's qualitative assessment of five environmental factors along with any measures taken or firmly planned by the government to mitigate them. The five factors include: physical climate risk, carbon transition, water management, natural capital, and waste and pollution.

The scoring scale is on a range of 1 to 5, with 1 being the least at risk and most addressed and 5 being the most at risk and least addressed.

Moody's gave the Philippines an E-4 score, which means "Highly Negative" on the scale.

The Philippines's peer countries Indonesia, Thailand, Malaysia and Vietnam all scored an E-3, which is "Moderately Negative," while Singapore scored E-2, which is "Neutral to Low".

Broken down, physical climate risk is the largest environmental risk and least addressed in the country, which was scored a 5 or "Very Highly Negative".

The Philippines's water management, natural capital and waste and pollution risks all scored a 3 or "Moderately Negative" while its Carbon Transition is at 2 or "Neutral to Low".

What it means

For example, if an economy like the Philippines is prone to flooding, this will create economic and social costs. These economic and social costs are bound to be aggravated by the country's low incomes and infrastructure quality.

"Sensitivity to climate hazards is also an important determinant of our scores and ultimately credit impact. For example, an economy which is reliant on weather-dependent activities such as agriculture and tourism will be more vulnerable to typhoons than one where the bulk of economic output comes from factories and offices," Moody's said.



“The effect of physical climate risk can be material from a credit perspective if it has a negative and durable effect on the economy, the government finances or the balance of payments,” it added.

In its latest assessment of the Philippine sovereign ratings just last month, where it affirmed the country’s Baa2 rating with a stable outlook, Moody’s already flagged the country’s environmental exposure and its potential threat to the economy if not addressed early on.

“Environmental considerations are material to the Philippines’s credit profile, given the high incidence of climate-related disasters, as well as the relatively large, albeit declining, share of the labor force employed by the agricultural sector,” Moody’s earlier said.

“Overall, the severity and frequency of extreme weather events can increase the Philippines’s GDP growth volatility, as well as public expenditure due to costs associated with reconstruction or rehabilitation,” it added.

Image credits: [Sonia Astudillo, GAIA Asia Pacific](#)



PH stands to benefit from new MDB ocean partnership

By [The Manila Times](#)

January 20, 2021

A RECENTLY announced partnership between the multilateral development banks (MDBs), the Asian Development Bank (ADB) and the European Investment Bank (EIB) raises encouraging prospects of improving the protection of the Philippines' marine environment and the welfare of those whose livelihoods depend on the sea.

The ADB and EIB signed a memorandum of understanding on January 15 to create the Clean and Sustainable Ocean Partnership, which is intended to “support initiatives in Asia and the Pacific to help the Sustainable Development Goals (SDGs) and the climate goals of the Paris Agreement,” according to a media release from ADB.

Bambang Susantono, the ADB vice president for knowledge management and sustainable development, commented: “Healthy oceans are critical to life across Asia and the Pacific, providing food security and climate resilience for hundreds of millions of people. This memorandum of understanding between [the] ADB and EIB will launch a framework for cooperation on clean and sustainable oceans, helping us to expand our pipeline of ocean projects in the region and widen their impacts.”

For his part, EIB Vice President Christian Kettel Thomsen stressed, “Oceans play a vital role in the world economy and they are also the largest carbon sink on the planet, helping to regulate the global climate. But oceans are under enormous pressure, with implications for billions of people. The economic crisis caused by Covid-19 does not weaken our commitment to address global environmental and climate challenges.”

As they involve diplomatic types of people (and many lawyers) in their creation, these kinds of broad initiatives and the statements used to describe them to the public tend to come across as lofty, but vague. However, if one reads between the lines, as it were, there is much about this new Clean and Sustainable Ocean Partnership that could benefit the Philippines in very specific ways.

The main purpose of the partnership is to coordinate activities between the ADB, which in 2019 launched a \$5-billion action plan for ocean restoration and protection, and EIB, which is a primary channel for environmental development and climate-change mitigation investment for the European Union. The EIB earlier committed to lending €2.5 billion for sustainable ocean projects between 2019 and 2023 and expects to mobilize an additional €5 billion in partner investments.

Combining the efforts of the two MDBs has two practical benefits. First, it will allow more projects and technical assistance programs to be carried out simultaneously, and second, it will allow for much larger and more complex initiatives to be carried out, thanks to the availability of greater financial and technical resources.

While the partnership is just getting off the ground, projects that are anticipated to be launched under the initiative include those that reduce marine plastic pollution, including integrated solid waste management projects, such as recycling; projects that apply “circular economy” principles, such as designing out plastic waste created by the production of common goods; and projects to improve wastewater management and sanitation, to help restore and protect rivers and waterways and reduce pollution impact in the oceans.



On the economic side, the partnership is also eyeing projects that support sustainable fisheries management and sustainable seafood supply chains, and “green” initiatives in the shipping industry, including ports and other maritime infrastructure. Sustainable management, protection, and restoration of marine and coastal ecosystems and resources; integrated coastal protection activities; and disaster risk preparedness also figure prominently on the partnership’s “to do” list.

For the Philippines, which has always exhibited a great deal of ardor for protecting its marine environment but not always a great deal of skill or efficiency in doing so — dubious efforts such as Manila’s “white sand” beach come to mind — the Clean and Sustainable Ocean Partnership can provide both financial assistance and more effective policy direction in many areas, not only in terms of environmental protection, but in food security, water security, disaster resilience, and poverty reduction in the fisheries and aquaculture sector, which despite its importance to the economy remains one of the country’s poorest. The government would be irresponsibly remiss not to take full advantage of what the Clean and Sustainable Ocean Partnership has to offer.



Girl, 12, leads fundraising for coral rehab in Camiguin

By Nef Luczon January 19, 2021, 6:57 pm



YOUNG ENVIRONMENTALIST. Sofia Pardo, 12, is currently leading the fundraising for a coral restoration project in Camiguin Island province. She has been a reliable partner of the Sangkalikasan Producers Cooperative that has trained community members to restore the corals around the island. *(Photo courtesy of Sangkalikasan Producers Cooperative)*

CAGAYAN DE ORO CITY--Undeterred by her young age, a 12-year-old girl has started raising funds for the restoration of corals in Camiguin province.

Sofia Pardo began her environmental advocacy when she was just 10, as a graduating student of the International Baccalaureate Primary Years Program, where the pupils were required to choose a project that they are passionate about.

Pardo said there was no question about her love for Mother Nature.

"After finishing the project, we would have to present our results at the PYP exhibition, as well as base the project on one of the UN's Sustainable Development Goals. I always loved the sea and the beach, so I chose Sustainable Development Goal 14, Life Under Water," the 12-year-old was quoted in a statement sent to the Philippine News Agency by the Sangkalikasan Producers Cooperative (SPC) recently.

Pardo and SPC, through its project leader Jose Rodriguez, worked to fund the successful micro fragmentation and colony fusion of slow-growing massive corals to preserve reef biodiversity.

Among those who answered Sofia's fundraising call was the Discovery Leisure Company, as well as several private individuals.

"Because of their donations, I was able to plant a coral bed under the name of Domuschola International School to raise awareness about coral reefs and bleaching," she said.

SPC lauded Pardo for the funds she has raised to beef up the organization's coral restoration initiatives.

Two years ago, couple Bunne Gamboa-Santos and Michael Santos, both SPC directors, traveled to Florida, USA, to learn and train under the MOTE Institute, which pioneered the coral restoration program.

When the couple came back, they lost no time to transfer everything they have learned to SPC members.

Meanwhile, Alexandra Hill, SPC resident biologist who leads the coral rehabilitation in Camiguin, said that the restoration project in the island-province started as early as 2013, in partnership with the Department of Environment and Natural Resources (DENR) and the Department of Science and Technology (DOST).

Under the guidance of DOST project director Virna Salac, SPC trained and transferred the technology of Coral Asexual Reproduction to multiple local communities in different areas of the country.

"Massive corals are more resilient to anthropogenic stress conditions and climate change. The experiment proved that massive corals can be grown in conditions that can accelerate growth rate and increase survival rate," Hill said.

Hill said the experiment was initially scheduled to run for a year, but the coronavirus disease 2019 (Covid-19) pandemic cut it short to just four months. However, recent dives have shown success despite the lack of data, she noted.

"This is extremely promising as we are the first group within the country to have conducted this kind of experiment and it shows that micro-fragmentation and colony fusion is possible within the Philippines despite lack of funding and resources," she said. *(PNA)*

Source: <https://www.pna.gov.ph/articles/1126886>



BOC-10 chief gets 'Environmental Justice Award'

By Jigger Jerusalem January 19, 2021, 5:54 pm



ENVIRONMENTAL AWARD. Bureau of Customs-Region 10 District Collector John Simon accepts the Environmental Justice Award from the EcoWaste Coalition on Tuesday (Jan. 19, 2021) through video conferencing. The environmental advocacy group bestowed the award to Simon for his effort in returning the tons of trash to its origin in South Korea between 2019 and 2020. *(Photo courtesy of EcoWaste)*

CAGAYAN DE ORO CITY – For his efforts to return the tons of trash to South Korea, environmental group EcoWaste Coalition conferred the "Environmental Justice Award" to Bureau of Customs Region 10 (BOC-10) district collector John Simon via an online ceremony Tuesday.

EcoWaste lauded Simon “for his exemplary leadership, unfaltering dedication and focused action to protect public health and the environment from hazardous wastes from overseas, particularly in relation to the successful re-exportation in 2019-2020 of some 7,408 metric tons of illegal waste shipments from South Korea”.

The award coincided with the national observance of the "Zero Waste Month".

In a statement, EcoWaste Coalition president Eileen Sison said Simon’s “decisive and unyielding action to uphold our country’s tariff and customs and environmental laws and the provisions of the Basel Convention of the Control of Transboundary Movements of Hazardous Wastes and Their Disposal led to the completion of the re-exportation procedures last September 15 amid the Covid-19 challenges”.

Simon said the award “will surely inspire my fellow customs officials and employees to persevere in our role as protector of our nation against foreign waste dumping”.

“Environmental justice demands that we assert our sovereign right not to be treated as dumping ground for wastes from abroad that can put the health of our people and that of our ecosystems in harm's way. This job is too big for one agency to accomplish, so I reach out to all sectors, especially to the environment department and congress to take on this challenge and strictly ban waste imports like what other Asian countries have done,” he said.

Aside from the EcoWaste Coalition commendation, Simon has also been recognized by the United Nations Environment Programme for the return of the South Korean garbage. He will formally receive the award next month.

Simon is also the recipient of the 2020 Asia Environmental Enforcement Award by the World Customs Organization--a first in the BOC history.

In a video message during the online awarding ceremony, Sec. Martin Andanar of the Presidential Communications Operations Office described Simon as “a model in an office that most requires brave idealism”.

“One man stood to protest, fight, and have the South Korean garbage returned to its country of origin. He braved diplomatic problems, armed with the law and port regulations, and consequently succeeded to uphold what is right by international and domestic practice and, most importantly, by what is just,” Andanar said.

He has assured the coalition of “sustained support with the information dissemination as needed”.

Marian Ledesma, Greenpeace Philippines campaigner, said the dumping of foreign trash could be prevented by establishing a "comprehensive waste importation ban”.

“Exemptions and loopholes in our current regulation still allow the entry of dangerous substances...To protect the country from future exploitation, the Philippine government must prohibit waste importation altogether,” Ledesma said.



In 2018, the trash from Pyeongtaek City, South Korea, arrived at the Mindanao Container Terminal in Tagoloan, Misamis Oriental, in two batches.

The shipment was wrongfully declared by the importer as “plastic synthetic flakes” and was flagged by the BOC-10. It was later discovered that the consignee failed to secure an importation permit from the Department of Environment and Natural Resources.

Following bilateral negotiations initiated by BOC-10, the illegal waste shipments totaling 364 containers--equivalent to 7,408 metric tons--were returned to South Korea in seven batches between January 2019 to September last year. (*PNA*)



A fresh new look for bamboo growing in Ilocos

By Leilanie Adriano January 19, 2021, 5:01 pm



BAMBOO PLANTING. Members of the Philippine National Police, schools and local government units of Ilocos Norte have included bamboo in their tree planting project. This is in support of the Ilocos Norte government's effort to rejuvenate the bamboo industry for environment protection and to boost economic livelihood. *(PNA photo by Leilanie G. Adriano)*

LAOAG CITY – The lowly bamboo which is often taken for granted by farmers here will be one of the major focus of development this year to boost economic livelihood and environmental protection.

According to Provincial Agriculturist Norma Lagmay, the provincial government of Ilocos Norte is geared towards reviving the bamboo industry by empowering local communities to take good care of their existing bamboo poles.

In partnership with the Mariano Marcos State University's expertise on bamboo propagation and processing, more farmers here will be trained to rehabilitate their existing bamboo plantations while growing new species to boost their productivity.

Following the recent visit of Department of Agriculture (DA) Secretary William Dar, Lagmay said Tuesday that even the agriculture chief recognized bamboo as an important commodity that must be given focus this year.

Backing this move, a new program dubbed "Kakawayanak Aywanak" (Taking care of my bamboo) will be launched this year to rehabilitate the bamboo industry and encourage more farmers to further appreciate it as a valued commodity and at the same time to protect the environment.

Instead of establishing new bamboo stands, Professor Charlie Batin, a bamboo production expert at the Mariano Marcos State University, said farmers can bring back the healthy condition of their old bamboo clumps through cleaning and proper fertilizer application.

He said the unproductive bamboo stands can be made productive again should farmers take good care of their old bamboo clumps.

According to Batin, bamboo can be a substitute for wood.

“Bamboo is environment-friendly. It grows fast even in marginal soils and produces high amount of biomass. As a reforestation species, it is very useful against soil erosion, he said.

Moreover, bamboo could generate tremendous income for bamboo growers and traders. In the 90s, Batin said there had been a great demand for bamboo culms but the bamboo stands continue to decrease due to indiscriminate cutting, lack of maintenance, and the absence of systematic and deliberate effort to replenish the resource.

At the Environment and Natural Resources Office, bamboo saplings are now being distributed in various tree-planting programs to rejuvenate the bamboo industry in the province. *(PNA)*

The soon-to-be Toledo Mangrove River Park is one of GBP's initiatives in creating a balanced development for the society, economy and the environment

LEAH DIAZ

GBP First Vice President – Cebu Operations

A joint venture between GBP and the City of Toledo under the administration of Mayor Joie Perales, GBP will finance the infrastructure component of the project, monitor its construction and rehabilitate mangroves through propagule planting activities.



Global Business Power Corporation launched the Toledo Mangrove River Park Project |
Contributed Photo

The project, encompassing Barangay Ibo, Barangay Poblacion and Barangay Tubod, will consist of a 300-meter stretch of boardwalk.

“We, at GBP, are dedicated to help our surrounding communities grow as the company grows. The soon-to-be Toledo Mangrove River Park is one of GBP’s initiatives in creating a balanced development for the society, economy and the environment”, said Leah Diaz, GBP First Vice President – Cebu Operations.

The project also aims to establish livelihood programs and encourage community participation in the protection of coastal resources and preservation of the natural mangrove habitat.

Along with Toledo Mayor Perales, the launching was attended by the City Council, Toledo City department heads and officials of the three barangays.

GBP, through its subsidiaries, is an independent power producer in Visayas, Mindanao and Mindoro, with a total gross capacity of 1,091 MW.



Maynilad's new Water Lab monitors water quality, wastewater effluents

By ... -January 20, 2021



West Zone concessionaire Maynilad Water Services, Inc. (Maynilad) recently opened its new and expanded Water Laboratory, which monitors and tests the quality of water supply and wastewater effluents within its concession area.

Located inside the La Mesa Compound in Quezon City, the new Water Lab houses Maynilad's state-of-the-art analytical instruments used for studying compounds in water samples drawn from over 1,100 sampling points spread throughout the West concession area.

The ₱70-million facility ensures that the water supply Maynilad produces complies with the new and stricter quality parameters set by the Department of Health's updated Philippine National Standards for Drinking Water. The facility also tests effluents of the company's wastewater treatment facilities to ensure that these meet the Ambient Water and General Effluent Standards of 2016 set by the Department of Environment and Natural Resources.

In addition, the Water Lab is equipped with first-of-its-kind instruments that allow Maynilad's chemists to monitor and measure organic compounds and other by-products that may be present in bodies of water.-

"Having the Water Lab saved us money on water quality analyses, and also strengthened the internal capability of Maynilad to conduct water testing and treatment. This is important because we want to assure our customers that the water and wastewater produced by our treatment facilities pass the government's strict standards," said Maynilad President and CEO Ramoncito S. Fernandez.

The Maynilad Water Lab is certified in ISO standards for quality, environment, safety and health, as well as in Business Continuity Management System. It has a Biosafety Level II compliance as a microbiology laboratory that adheres to strict environmental requirements in conducting microbiological testing and handling of live control cultures. It is also duly licensed by the Philippine National Police and the Philippine Drug Enforcement Agency to purchase, possess, and handle regulated chemicals.

Maynilad is the largest private water concessionaire in the Philippines in terms of the customer base. It is the agent and contractor of the Metropolitan Waterworks and Sewerage System (MWSS) for the West Zone of the Greater Manila Area, which is composed of the cities of Manila (certain portions), Quezon City (certain portions), Makati (west of South Super Highway), Caloocan, Pasay, Parañaque, Las Piñas, Muntinlupa, Valenzuela, Navotas and, Malabon, all in Metro Manila; the cities of Cavite, Bacoor, and Imus, and the towns of Kawit, Noveleta, and Rosario, all in Cavite Province.

Source: https://malaya.com.ph/index.php/news_special_feature/maynilads-new-water-lab-monitors-water-quality-wastewater-effluents/



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Philippine Eagle, na-rescue sa Sarangani; kinakailangang operahan

Natagpuan ang agila na nakatali sa ilang Rattan vines sa Salabanog Falls. Ayon sa Philippine Eagle Foundation (PEF), natali ang agila habang nanghuhuli ito ng unggoy na kakainin.

Na sa pangangalaga na ng PEF ang agila, ngunit kailangan daw operahan ito dahil may malaking jolen sa kanang balikat nito—bukod pa sa maliit na pellet sa bandang leeg. (📷: PEF)

Para sa mga nais maghatid ng tulong pinansyal, maaaring bisitahin ang www.philippineeaglefoundation.org/donate.

Pumunta sa www.gmanews.tv para sa iba pang mga balita.



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Humihingi ng tulong ang Philippine Eagle Foundation para magkaroon ng sapat na pondo na kakailanganin sa surgery ng isang agila na nasa kanilang pangangalaga.

Nailigtas ang agila noong isang linggo sa Sarangani. May nakitang "jolen" sa kanang balikat nito, at maliit na pellet sa kanyang kanang clavicle.

Para makapag-donate, i-click lang ang link na ito:

👉 www.philippineaglefoundation.org/donate

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📍: FB/Philippine Eagle Foundation



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COVID-19 cases sa bansa pumalo sa 504,084 habang patay umakyat sa 9,978

(Philstar.com) - January 19, 2021 - 4:07pm

MANILA, Philippines — Ini-report ng Department of Health (DOH) ang nasa 1,357 bagong kaso ng coronavirus disease (COVID-19) ngayong Martes, dahilan para pataasin nito ang kabuuang bilang ng nadali ng nakamamatay na sakit sa 504,084.

Nasa 27,857 diyan ang itinuturing na "aktibong kaso," o 'yung mga hindi pa gumagaling o namamatay sa virus.

Umabot naman sa 69 ang kamamatay lang sa COVID-19 ayon sa mga datos ngayong araw dahilan kung kaya't 9,978 na lahat-lahat ng mga pumanaw dito. Ligtas naman na sa karamdaman ang nasa 466,249 na dati'y dinapuan ng pathogen

Lugar na may pinakamararaming fresh cases

- Davao City, 130 (*general community quarantine*)
- Rizal, 71 (*modified general community quarantine*)
- Quezon City, 66 (*GCQ*)
- Pampanga, 54 (*MGCQ*)
- Benguet, 52 (*MGCQ*)

Anong bago ngayong araw?

Ngayong araw lang nang kumpirmahin ng Food and Drug Administration (FDA) na pinayagan na nila ang pagsasagawa ng clinical trials sa Pilipinas para sa kumpanyang Sinovac, na isa sa iilang magsu-suplay ng bakuna laban sa COVID-19 sa Pilipinas.

Kasabay 'yan ng pagsabi ni FDA director general Eric Domingo na maaaring tumanggap at gumamit ng mga hindi otorisadong donated COVID-19 vaccines ang gobyerno basta't babantayan ito ng DOH.

Kanina lang din nang kumpirmahin ni presidential spokesperson Harry Roque na mauuna si Pangulong Rodrigo Duterte sa pagpapaturok ng otorisadong gamot mula sa Sinovac oras na dumating ito sa bansa, basta't may pahintulot na.

Umaabot na sa 93.8 milyon ang tinatamaan ng COVID-19 sa buong mundo, ayon sa huling ulat ng [World Health Organization \(WHO\)](https://www.who.int/). Sa bilang na 'yan, 2.02 milyon na ang pumapanaw. — **James Relativo at may mga ulat mula kay Xave Gregorio**



‘Human acts root of global warming’

By [Agence France-Presse](#)

January 20, 2021

BRITISH COLUMBIA: Virtually all global warming since the industrial era is caused by manmade emissions, according to research published Monday (Tuesday in Manila) that concludes Earth’s natural processes contribute only “negligibly” to climate change.

Near-surface air temperatures have increased on average around the world just over 1 degree Celsius (C) since the mid-19th century.

That 1 C increase has already seen more frequent and powerful extreme weather events such as droughts and floods, as well as super storms made more deadly by rising seas.

The 2015 Paris climate accord commits nations to limit global temperature rises to “well below” 2 C and to a safer cap of 1.5 C if possible.

An international team of researchers wanted to better quantify how much warming can be directly contributed to human activity — in the form of greenhouse gas emissions and land use change — and how much is down to so-called “natural forcing.”

These include phenomena such as large volcanic eruptions and changes in the Sun’s energy output, and are often cited as drivers of warming by climate skeptics or deniers.

The researchers examined 13 different climate models to simulate expected temperature changes under three main scenarios: one in which just aerosol affected temperature, one where only natural forcings occurred and another where greenhouse gas emissions are factored in.

Writing in *Nature Climate Change*, they found that human activity had contributed 0.9 to 1.3 C to global temperatures — exactly consistent with the 1.1 C of warming observable today.

“Our results clearly show that climate warming is primarily caused by humans,” Nathan Gillet, from the Canadian Centre for Climate Modelling and Analysis, Environment and Climate Change, told the *Agence France-Presse*.

Although the pandemic saw planet-warming emissions nosedive by about 7 percent in 2020, concentrations of carbon pollution continued to rise. The United Nations says it would take emissions to fall by similar levels to 2020’s every year this decade in order to keep the 1.5 C goal in play.

As a result of intensive shuttle diplomacy, the Paris deal isn’t explicit in how warming is measured — that is, to what extent it is manmade and against what temperature base line.

But Monday’s research found that depending on the range of estimation, manmade warming “may already be close to the 1.5 C threshold.”

“If human-induced warming is at the lower end of our estimated range, the 1.5 C Paris goal is still achievable with ambitious and prompt reductions in emissions,” said Gillet.

“If it is at the upper end of the range, the 1.5 C goal may not be practically achievable, but prompt and ambitious mitigation action would still allow us to meet the Paris goal of keeping warming well below 2 C.”

Source: <https://www.manilatimes.net/2021/01/20/news/world/human-acts-root-of-global-warming/829623/>

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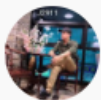
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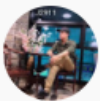
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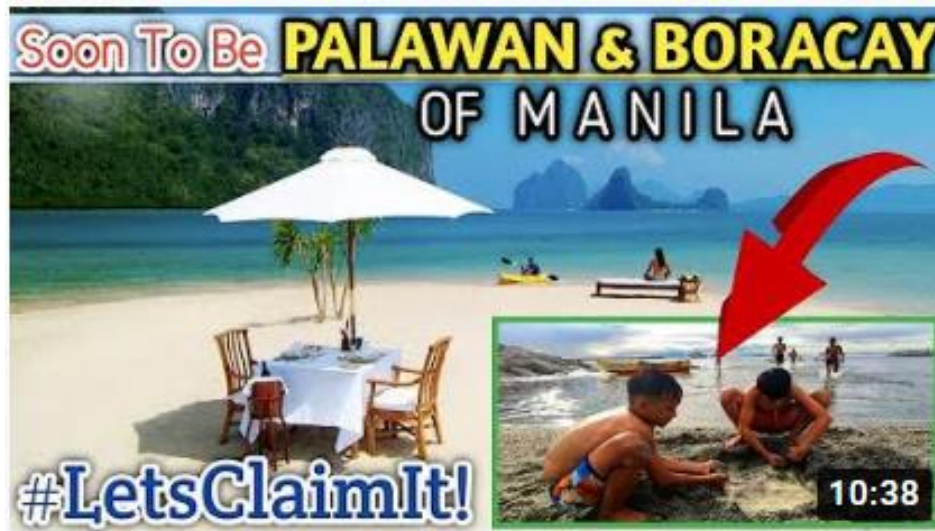


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