



DCC ReDi SHINE



Davao Central College Research for Development and Innovation

Policy Dialogue on the Establishment of Coastal Greenbelts and Ban on Single-use Plastics



What does SHINE stands for?

- Support to industry through business management
- Hospitality management towards green tourism
- Information technology towards industry 4.0 and 5.0
- No to crime, yes to peace and development through criminal justice
- Education for sustainable development

EVENT HIGHLIGHTS

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OCEANA-DCC REDi SHINE TEAM, NAGLUNSA NG DAYALOGONG PANGKAPALIGIRAN
 ni: G. Junel D. Garsuta

Bilang tugon sa lumalalang suliraning pangkapaligiran, nag-organisa ang Oceana katuwang ang DCC ReDi SHINE Team ng isang policy dialogue ukol sa pagtatayo ng coastal greenbelts at pagbabawal ng mga single-use plastics ngayong araw, ika-24 ng Oktubre 2023 sa Asuncion Hall ng Davao Central College Basic Education Campus.

OCEANA BINIGYANG-DIIN ANG HOUSE BILL 7767
 ni: Joshuanne Marcy Lopez

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Conserve. Keep. Preserve. These were the words Atty. Nikka Oquillas, a policy specialist and campaign asistant of a non-governmental organization, Oceana, uttered to call for support for the Mangrove Campaign at Policy Dialogue Forum on October 24, 2023 held at the Asuncion Hall of Davao Central College Basic Education Campus.

OCEANA SOLICITS SUPPORT FOR COASTAL GREENBELT ZONE POLICY

by: Princess Chianne Diaz

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CEASING DANGER: BAN ON SINGLE-USE PLASTICS AND IMPLEMENTATION OF THE PLASTIC CAMPAIGN

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OCEANA, DCC REDI SHINE TEAM NAGLUNSA NG DAYALOGONG PANGKAPALIGIRAN

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ni: G. Junel D. Garsuta, School Paper Adviser



NEWS

Bilang tugon sa lumalalang suliraning pangkapaligiran, nag-organisa ang Oceana

katuwang ang DCC ReDi SHINE Team ng isang policy dialogue ukol sa pagtatayo ng coastal greenbelts at pagbabawal ng mga single-use plastics ngayong araw, ika-24 ng Oktubre 2023 sa Asuncion Hall ng Davao Central College Basic Education Campus.

"We have a lot of environmental issues now and it is good to know that we have existing policies addressing these issues.", wika ni Dr. Della Grace Bacaltos, DCC Research Director at head ng ReDi SHINE Team.

Binigyang-diin din niya na tatalakayin sa dayalogong ito kung ano-ano ang mga hakbang na dapat gawin upang makatulong sa pagkamit ng mga Sustainable Development Goals.

Samantala, bilang kinatawan ni Atty. Gloria Estenzo Ramos, bise-presidente ng Oceana, nagbigay naman ng pahayag si Atty. Liza Eisma-Osorio, Oceana Legal and Policy Director at Campaign Lead of Restore Mangrove Forests, tungkol sa kahalagahan ng mga bakawan (mangrove) sa pangangalaga ng ating mga baybayin at karagatan.

"Unfortunately, over the years, we've seen the degradation of our mangrove forests that have lead us to devastating impacts such as flooding, erosion, loss of livelihood, increasing issues on productivity, safety and food security.", giit ni Atty. Eisma-Osorio.

Ayon sa kanya, kaugnay ng lumalaking problema sa mga basurang plastic, kinakailangan nang gumawa ng solusyon ang pamahalaan sa tulong ng mga institusyon sa lipunan.

"On the part of Oceana, we demand accountability on the non-implementation of R.A. 9003 or the Ecological Solid Waste Management Act through a plastic lawsuit which we filed in the Supreme Court asking for a writ of kalikasan against the National Solid Waste Commission.", ani Oceana Legal and Policy Director.

Dagdag niya, isang malaking oportunidad ang policy dialogue na ito upang matalakay ang mga hakbang sa gagawin upang matulong maiahong muli ang kalikasan sa Rehiyon ng Dabaw..

TO GUARD THE SEASIDE PROTECTORS

Oceana solicits support for Coastal Greenbelt Zone policy

by: Princess Chianne Diaz, News Editor of Luminous Imprints

Conserve. Keep. Preserve. These were the words Atty. Nikka Oquilas, a policy specialist and campaign asistant of a non-governmental organization, Oceana, uttered to call for support for the implementation of Coastal Greenbelt Zone policy during her Mangrove Campaign speech on October 24, 2023 at the Asuncion Hall of Davao Central College Basic Education Campus..

"We're here to inspire action. We have to do something. In this Mangrove campaign, our primary goal is to establish coastal greenbelt zones nationwide," Atty. Oquilas said in her speech at the Asuncion Hall of Davao Central College Basic Education Campus.

Coastal Greenbelt Zones are a strip of natural or planted coastal vegetation stretching at least 100 meters in width, primarily of mangrove and beach forest species which are designed to prevent coastal erosion and mitigate adverse impacts of natural coastal hazards on human lives and property.

"We know that our country is a pathway of typhoons. For this reason, automatic response na to prioritize Mangrove preservation because they really provide the protection that we need," she explained.

Oquilas further discussed the other significance of Mangrove forests in the ecosystem and livelihood of people in the Philippines.

"Mangroves also provide additional income for communities. In an interview covered by Rappler, the leader of Woman Manage Mangrove Area shared that they were able to get additional income by selling Mangrove seedlings," she stated.



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She also mentioned how effective Mangroves are in terms of its capacity sequester carbon and provide ecotourism services.

Moreover, Atty. Oquillas expressed their glee to the local governments who initiatively enforced the Coastal Greenbelt Zone policy in their community.

“We are very happy at the local level, our mayors and local legislators are taking initiative, passing those policy needed. It may be in a form of ordinance or executive order,” she expressed.

OCEANA BINIGYANG-DIIN ANG HOUSE BILL 7767

ni: *Joshuanne Marcy Lopez, Punong Patnugot ng Dasig Diwa*



Bunsod ng nagraramihang batas hinggil sa mangroves, binyang-diin ni Atty. Liza Eisma-Osorio, Legal at Policy Director ng Oceana, ang integrasyon ng mga polisiyang ito sa House Bill 7767, noong ika-24 ng Oktubre taong kasalukuyan, sa DCC-BED Asuncion Hall.

Inaprubahan ng kongreso ang House Bill 7767 o ‘Integrated Coastal Management Act’ noong Mayo 22, 2023 na naglalakip ng mga batas na nagpoprotekta sa mangroves ng bansa.

“Mangroves are considered as forests therefore, we should stop cutting them,” pahayag ni Atty. Liza Eisma-Osorio.

Sumusuporta rito, ipinahayag naman ni Dr. Jurgenne Primavera, Chief Mangrove Scientific Advisor, sa kaniyang talumpati na pinapababa ng mangroves ang

mga kalamidad na maaaring maganap sa bansa.

Samantala, nagtala ng mahahalagang mga aspeto ng House Bill 7767 si Atty. Liza Eisma-Osorio.

“We need to have an incentive scheme to encourage the Local Government Units (LGU),” wika niya.

Kaugnay dito, ipinakilala niya ang Republic Act no. 9003 na siyang magtutulak sa mga LGU upang maging responsable sa kanilang mga produkto at gawain.

Ayon kay Atty. Liza, hindi lamang plastik ang kayang solusyunan ng Oceana, pati na rin ang mga habitat issues ng mga organismo.

Hangad ng Oceana na sugpuin ang mga isyung pangkapaligiran, lalo na sa karagatan.

FEATURE

CEASING DANGER: BAN ON SINGLE-USE PLASTICS AND IMPLEMENTATION OF THE PLASTIC CAMPAIGN

by: *Zseloh Yvonne Remulta, Sci-Tech Editor of Luminous Imprints*

Plastics are one of the major problems in the Philippines and Oceana's partnership programs and associations aims to stop the plastic pollution at the source by implementing the ban on single-use plastics under the plastic campaign.

According to studies, only a 9% of plastic waste can be recycled leaving the 91% rest end up into the Ocean that largely contributes to the water pollution and risks the natural habitats and marine life.

Furthermore, over 300 million tons of plastics are produces annually, with at least 14 million tons of plastic ending up in our oceans every year.

In line with the Republic Act 9003 or the Ecological Solid Waste Management Act of 2000, the legal and policy framework on plastics seek to establish a systematic, comprehensive and ecological waste management program in the Philippines.

Oceana's call to action is to address the problem which is at the source and prohibit the use of single-use plastics and find other alternatives.

However, the Non-Environmentally Acceptable Products shall not be prohibited unless the commission first finds that there are alternatives available which are available to consumers at no more than 10% greater cost than the disposable product.

ni: Jamaica Dumaguin, Patnugot sa Agham at Teknolohiya ng Dasig Diwa

Ang lokasyon ng Pilipinas ay isa sa mga dahilan kung binibisita ito ng mahigit na 20 bagyo bawat taon, lima sa mga ito ay higit na mapaminsala. Bilang pamproteksyon, ginawa at patuloy pa ring ginagawa ang ng coastal greenbelt zones ng bakawan upang harangan ang mga along dala ng mga bagyo. Ano nga ba ang siyensiya sa likod ng paghina ng bawat hampas na hagupit ng bagyo kapag dumadaan ito sa coastal greenbelt ng bakawan?

Ang labis na mapaminsalang mga bagyo kagaya ng Typhoon Odette at Yolanda ay tila nagpapahiwatig ng pangangailangan ng rehabilitasyon ng tinatawag ng Mindanao marine scientist na si Jurgenne Primavera na “coastal greenbelts”.

Ang Coastal Greenbelts ay tumutukoy sa isang kabuuan ng natural o artipisyal na nilikha na mga halaman sa baybayin kabilang ang mga bakawan, kagubatan sa tabing-dagat, phytoplankton, at seagrasses.

Inilahad ng isang isang Marine scientist na si Dr. Jurgenne Primavera ang mga salik na nakakaapekto sa lakas at hina ng wave energy na may distansya sa bakawan ay ang lalim ng tubig (na nauugnay sa tidal phase) at ang laki at katangian ng mga halaman ng bakawan.

“And you don’t need the rocket scientist to understand ngano nga ang balod na pirteng kusoga, pag-agi sa mga kahoy (bakawan) ni kuan na siya, ni weakened” (At hindi mo kailangang maging lubos na matalino upang maunawaan kung bakit ang napakalalakas na alon, kapag dumadaan sa bakawan ay tila humihina) wika ni Dr. Jurgenne Primavera.

Sa katunayan, ayon sa mga pag-uulat, maraming mga residente ng Siargao ang naprotektahan at nailigtas ng bakawan mula sa hagupit ng bagyong Odette noong nakaraang Dec. 16 2021.

Subalit, sa kabila ng pagsisilbing proteksyon ng bakawan laban sa hagupit na dala ng bawat bayong dinaranas ng Pilipinas, naging ikalawa ang ating bansa sa pinakamabilis na nawawalan ng tanimang bakawan sa Timog-silangang Asya. Ayon kay Dr. Primavera, ang mga tanim na bakawan sa tabing baybayin ay pinuputol, dahilan ng mas pagbagsik ng mga alon na tumatama sa kabahayan malapit sa baybayin.

Bilang solusyon sa mga suliraning hatid ng mga bagyo at baha na tumatama sa iba’t ibang panig ng bansa, ang organisasyon ng OCEANA at ZSL, kasama ang iba pang mga scientists, national leaders, at lokal na unit ng pamahalaan ay nagsanib pwersa sa pangunguna upang mas mapalawak pa ang coastal greenbelt zones sa buong Pilipinas.

Samakatwid, malaki na ang naitulong at naitutulong pa ng mga nasabing organisasyon sa unti-unting pagpapadami muli ng mga taniman ng bakawan sa tabing baybayin. Patuloy pa rin silang naglulunsad ng mga aktibidad alang-alang sa rehabilitasyon ng coastal Greenbelt Zones ng Bakawan na nagsisilbing proteksyon mula sa hagupit ng mga bagyo sa tabing baybayin na bahagi ng bansa.



Photo courtesy of google: Mangrove situation in Manila Bay

PROCEEDINGS

DIALOGUE PROPER

by: Sky Christopher De Guzman, Editor-in-chief of Luminous Imprints

»»» ARRIVAL AND REGISTRATION

Visitors from different department, schools and organizations concerned about the policy dialogue on the establishment of coastal greenbelts and ban on single-use plastics arrived at the Asuncion hall of Davao Central College, Basic Education Campus on October 24, 2023.



»»» PRELIMINARIES

The Prayer and the National Anthem was led by the Davao Central Chorale at the Asuncion Hall of Davao Central College, Basic Education Campus.



»»» RATIONALE OF THE EVENT

Dr. Della Grace Bacaltos, Research Director of Davao Central College presented the rationale of the event saying that the reason behind the program is to address and come up with feasible solution to the current environmental problems our country experiences which are all brought by the improper disposal of plastic garbage.



»»» OPENING REMARKS

In behalf of Atty. Gloria Estenzo Ramos, Vice President of Oceana, Atty. Liza Eisma-Osorio, the Legal and Policy Director of Oceana and the Campaign Lead of Restore Mangrove Forests, delivered a speech emphasizing the importance of proper implementation of the R.A 9003 thus mentioning that they have filed a plastic law suit demanding writ of Kalikasan from the National Solid Waste Management Commission.



PROCEEDINGS

KEYNOTE SPEAKERS

by: Sky Christopher De Guzman, Editor-in-chief of Luminous Imprints

LEGAL FRAMEWORK ON MANGROVES AND PLASTICS



Atty. Liza Eisma-Osorio, the Legal and Policy Director and Campaign Lead of the Restoration of Mangrove Forests Oceana talked about commercial fishing and the ban of single use plastics which were the highlight of the event. She reiterated that there are policies implemented by the government already yet some weren't carefully carried through like R.A. 9003.

THE SCIENCE OF MANGROVES

Dr. Jurgenne Primavera, a Marine Scientist and the Chief Mangrove Scientific Advisor of the Zoological Society of London via Zoom, talked about the science behind Mangrove trees. She reiterated that mangrove trees are beneficial in preventing flashfloods and storm surges.



MANGROVES CAMPAIGN

Atty. Nikka Oquias, a Policy specialist and the campaign assistant of the Restore Mangrove Forests Oceana who elaborated the significance of the protection of Mangrove Trees. She further emphasize that there is no other time than now to protecting our mangrove forest which is unfortunately deteriorating.



PLASTICS CAMPAIGN

Mae Chatto, the campaign specialists on the ban on single-use Plastics Oceana who shared policies implementing the reduction of plastic use. She emphasized that if plastics keep ending up in our mangrove forests, soon our mangroves will die and will no longer protect us from flooding and storm surges.

SITUATIONER ON PLASTIC WASTE AND MANGROVE MANAGEMENT IN DAVAO CITY

Engr. Lakandiwa Orcullo, the City Environment and Natural Resources Officer of Davao City shared the single use of plastic Ordinance and presented statistic report with regards to the topic of Sanitary Landfills. He also discussed about the lack of Solid Waste landfills here in Davao City and the lack of budget for it which is a major problem in achieving sustainable development in the city.



PROCEEDINGS

REACTORS

by: Sky Christopher De Guzman, Editor-in-chief of Luminous Imprints



REACTION FROM DOST XI

Ms. Mayan Jane J. Inni, as the Head of the Special Projects Unit at DOST – Region XI, plays a pivotal role in steering initiatives that merge science and development. Her leadership focuses on spearheading special projects within the Department of Science and Technology, Region XI. With expertise and dedication, Ms. Inni contributes to advancing scientific endeavors, fostering innovation, and driving regional development through specialized projects in the field of science and technology.

REACTION FROM THE CITY GOVERNMENT

Engr. Felinee D. Cabrera, the City Environment and Natural Resources Office proposed ways in preserving and have a sustainable coastal environment like Mangrove planting and coastal cleanup. In addition to this, he shared its positive effect on the environment.



REACTION FROM PEOPLE'S ORGANIZATION

Ms Joan Epis, the president of Lizada Ornamental Fish Growers' Association shared her experiences as part of the Daliao Fishport committee, plastics and wastes are prominent in the said area and to solve that dilemma, she wishes that the government do something about it.



REACTION FROM THE YOUTH GROUP

Mr Roberto Jr. Palaez Tacobo, the youth representative and the vice president of the College Supreme Student Government of Davao Central College shared their plans and resolutions in conserving the environment in the school setting.



PROCEEDINGS

REACTORS

by: Sky Christopher De Guzman, Editor-in-chief of Luminous Imprints

REACTION FROM GOVERNMENT INITIATIVES

Ms. Estrella B. Jesuro, serving as the CSO Representative and Consultant for the Institute for Socio-Economic Development Initiatives, will spearhead a significant Policy Dialogue at Davao Central College. The focal points of this discussion will revolve around the crucial topics of establishing Coastal Greenbelts and advocating for a ban on single-use plastics. Through her expertise and representation, Ms. Jesuro aims to foster a dialogue that aligns with the socio-economic development initiatives, addressing environmental concerns and promoting sustainable practices in the local community.



REACTION FROM IDIS

Judy Ann Legaspi, in her role as the Watershed Network Coordinator at IDIS (Interface Development Interventions, Inc.), is instrumental in overseeing and coordinating initiatives related to watershed management. Her position involves a dedicated effort to enhance environmental sustainability by addressing issues related to watersheds. With a focus on coordination and collaboration, Judy Ann contributes to the mission of IDIS, working towards effective watershed management and ecological conservation.



REACTION FROM OTHER INSTITUTION

Mr. Jhonnell P. Villegas, serving as the Director for Research at Davao Oriental State University, embodies the Academe Representative role with a focus on advancing scholarly pursuits. In his capacity, Mr. Villegas leads research initiatives, fostering academic excellence and contributing to the university's knowledge base. His role as a liaison between academia and research underscores the commitment of Davao Oriental State University to intellectual growth and the pursuit of innovative solutions to academic and societal challenges.



PROCEEDINGS

OPEN FORUM AND DISCUSSIONS

by: Sky Christopher De Guzman, Editor-in-chief of Luminous Imprints

»»» OPEN FORUM/MODERATED DISCUSSION

The open forum tackled a key topic that must be addressed. The Lack of dissemination of info to the public about EPR. "How come we don't get enough information about EPR?" Asked by a participant. A response from the speakers answered the question. The EPR was elaborated during the discussion. The topic was then understood by the majority.



»»» SMALL GROUP DISCUSSION

Various representatives of different departments and peoples' organizations of the community discussed helping reduce the single-use plastics and demand accountability, recycling and tangible initiatives and innovation with the help of mangrove planting, coastal cleanups and practicing the LGU's push-green bell regenerative future towards a sustainable and coastal environment.



»»» COMMITMENT/COVENANT SIGNING

Participants of the event, gathered and recited the pledge of commitment to commit and ensure the preservation and conservation of marine resources and also to give give support and empower local governments units and other stakeholders to achieve their shared goal which then followed by the Covenant Signing for the protection/ Establishment of coastal Greenbelts and Reduction of Single-use plastics.



PROCEEDINGS

CLOSING ROGRAM

by: Sky Christopher De Guzman, Editor-in-chief of Luminous Imprints

»» WRAP-UP AND WAYS FORWARD

Dr. Della Grace Bacaltos comprehensively summarized everything that was discussed in the dialogue and ended with a call to action saying that “Together we can make a difference” emphasizing the importance of teamwork in achieving the sustainable development goals of the United Nations.



»» CLOSING REMARKS

Dr. Ruben L. Dela Cruz, School President of Davao Central College closed the program reiterating that as responsible and wise citizens, all of us must know that the ocean is not a garbage can. Therefore, we cannot continue our lack of discipline towards protecting our marine resources because without the ocean, we are also nothing.



EDITORIAL STAFF

EDITOR-IN CHIEF (LUMINOUS IMPRINTS): SKY CHRISTOPHER DE GUZMAN

PUNONG PATNUGOT (DASIG DIWA): JOSHUANNE MARCY LOPEZ

NEWS WRITERS: PRINCESS CHIANNE DIAZ

JOSHUANNE MARCY LOPEZ

SCI-TECH WRITERS: JAMAICA DUMAGUIN

ZSELOH YVONNE REMULTA

PROCEEDINGS WRITER: SKY CHRISTOPHER DE GUZMAN

PHOTOJOURNALISTS: GIAN RENIEL ASILUM

ERIKA ALYANNA ARTIAGA

LAY-OUT ARTIST: MR. JUNEL D. GARSUTA

SCHOOL PAPER ADVISER: MR. JUNEL D. GARSUTA