



Republic of the Philippines  
**Department of Environment and Natural Resources**  
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**MEMORANDUM**

**FOR :** The Undersecretary  
Policy, Planning and international Affairs

The Directors  
Policy and Planning Service  
Forest Management Bureau  
Ecosystems Research and Development Bureau  
Biodiversity Management Bureau  
River Basin Control Office

**FROM :** The Undersecretary  
Finance, Information Systems and Climate Change

**SUBJECT :** **PHILIPPINE COUNCIL FOR AGRICULTURE AND FISHERIES (PCAF)-COMMITTEE ON CLIMATE CHANGE, ENVIRONMENT AND NATURAL RESOURCES RESOLUTION NO. 08, SERIES OF 2022 ENTITLED "RECOMMENDING TO THE DENR TO CONSIDER IN ITS PRIORITY ACTIVITY PLAN THE CONDUCT OF CORRELATION STUDY BETWEEN THE TYPE OF LAND COVER AND THE DEGREE OF DAMAGE ATTRIBUTED TO TYPHOONS"**

**DATE :** 27 January 2023

This refers to the attached letter dated 26 January 2023 of Senior Undersecretary Domingo F. Panganiban, Department of Agriculture endorsing the PCAF Committee on Climate Change, Environment and Natural Resources (CCENR) Resolution No. 8, series of 2022. Per the Resolution, the PCAF Committee recommended to the DENR to consider in its priority activity plan the conduct of correlation study between the type of land cover and the degree of damage attributed to typhoons.

May we request your comments regarding this matter. Kindly submit your comments to the Policy and Planning Service (PPS) for consolidation. The PPS is requested to draft reply informing the Department of Agriculture of DENR's comments and/or action taken on the matter copy furnish the Office of the Secretary and this Office for our information.

  
**ATTY. ANALIZA REBUELTA-TEH**

**Cc:** The Office of Secretary

USEC Domingo F. Panganiban  
Senior Undersecretary  
Department of Agriculture



Office of the DENR Secretary <osec@denr.gov.ph>

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## Endorsement of PCAF CCENR Resolution No. 8, Series of 2022

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Jannah Mitzi Gonzales <jannahmitzi.gonzales@pcaf.da.gov.ph>  
To: ohea@denr.gov.ph, osec@denr.gov.ph

Tue, Jan 24, 2023 at 9:05 AM

Dear Secretary Loyzaga:

Warmest greetings!

This is to endorse to your office the attached PCAF Committee on Climate Change, Environment, and Natural Resources (CCENR) Resolution No. 8, Series of 2022 entitled: ***“Recommending to the DENR to consider in its priority plan the conduct of a correlational study between the type of land cover and the degree of damage attributed to typhoons”*** adopted during its 4th Quarter Regular Meeting held last November 9, 2022.

With the worsening impacts of climate change and the continuous land use conversion activities in the country, which often reduce the land areas covered with vegetation (eg. forest lands and agricultural lands), the Committee raised the need to conduct a study that will validate or disprove the relation between the type of land cover and the degree of damage incurred from typhoons. They also noted the importance of the study in the development of policies affecting utilization, rehabilitation, and conservation of land and its resources. Thus, the Committee recommends to the DENR to consider for inclusion in its FY2023 or FY2024 Priority Plan the conduct of the said correlational study.

May we further request for feedback on the actions taken on the said resolution **on or before January 31, 2023**. For further inquiries, your office may coordinate with Ms. Jannah Mitzi Gonzales by replying through this email thread or this mobile number (+63)9560964581.

Best regards,  
**Jannah Mitzi Gonzales**  
Technical Staff, Strategic Concerns Section  
Policy Development and Coordination Division  
Philippine Council for Agriculture and Fisheries (PCAF)

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### 2 attachments

Letter to DENR.pdf  
690K

Resolution No. 8, S. of 2022.pdf  
1446K



Republic of the Philippines  
**OFFICE OF THE SECRETARY**  
Elliptical Road, Diliman  
1100 Quezon City

PDCD-L-2022-417

January 26, 2023

**HON. MA. ANTONIA YULO-LOYZAGA**

Secretary

Department of Environment and Natural Resources  
Diliman, Quezon City

**Dear Secretary Loyzaga:**

Warmest greetings of peace and happiness this Yuletide season!

This is to endorse to your office the attached PCAF Committee on Climate Change, Environment, and Natural Resources (CCENR) Resolution No. 8, Series of 2022 entitled: ***"Recommending to the DENR to consider in its priority plan the conduct of a correlational study between the type of land cover and the degree of damage attributed to typhoons"*** adopted during its 4th Quarter Regular Meeting held last November 9, 2022.

With the worsening impacts of climate change and the continuous land use conversion activities in the country, which often reduce the land areas covered with vegetation (eg. forest lands and agricultural lands), the Committee raised the need to conduct a study that will validate or disprove the relation between the type of land cover and the degree of damage incurred from typhoons. They also noted the importance of the study in the development of policies affecting utilization, rehabilitation, and conservation of land and its resources. Thus, the Committee recommends to the DENR to consider for inclusion in its FY2023 or FY2024 Priority Plan the conduct of the said correlational study.

May we further request your office to send us your feedback on the actions taken on the said resolution **on or before January 31, 2023**. For further inquiries, your office may coordinate with Ms. Jannah Mitzi Gonzales through email address: [jannahmitzi.gonzales@pcaf.da.gov.ph](mailto:jannahmitzi.gonzales@pcaf.da.gov.ph) or [pcaf.cenrcom@gmail.com](mailto:pcaf.cenrcom@gmail.com)

**DOMINGO F. PANGANIBAN**  
Senior Undersecretary, DA



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Republic of the Philippines  
Department of Agriculture  
**PHILIPPINE COUNCIL FOR AGRICULTURE AND FISHERIES**  
Department of Agriculture Compound  
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**PCAF-COMMITTEE ON CLIMATE CHANGE, ENVIRONMENT, AND NATURAL RESOURCES**  
**Resolution No. 8**  
Series of 2022

**RECOMMENDING TO THE DENR TO CONSIDER IN ITS PRIORITY ACTIVITY PLAN THE  
CONDUCT OF A CORRELATIONAL STUDY BETWEEN THE TYPE OF LAND COVER AND  
THE DEGREE OF DAMAGE ATTRIBUTED TO TYPHOONS**

**WHEREAS**, the Philippines is often experiencing 20 or more typhoons annually and more frequent flooding as a result of climate changes due to global warming;

**WHEREAS**, several areas are undergoing land use conversions, with 584,550 hectares of agricultural land lost for commercial, residential, and industrial purposes, while approximately 50,000 hectares of forest land were converted into other classifications from 2000 to 2018;

**WHEREAS**, land areas denuded of vegetative cover such as crops, shrubs, and trees are observed to have higher occurrence of flooding, landslides, and other extreme results of calamities as compared to areas with undisturbed or revitalized vegetative coverings (eg. forest areas);

**WHEREAS**, land cover is the surface cover of the ground, which can be made up of vegetation, infrastructure, water, bare soil, and other materials;

**WHEREAS**, land cover maps indicate the available land cover of a specific area, with details collected typically through aerial photography/ remote image sensing and random site visits and are useful for understanding, predicting, and assessing the impact of floods, storm surges, sea level rises, as well as prioritizing areas that need conservation or rehabilitation;

**WHEREAS**, the DENR's main research and development (R&D) unit is the Ecosystems Research and Development Bureau (ERDB), focusing on five major ecosystems: forests, upland farms, grassland and degraded areas, coastal zone and freshwater, and urban areas and is also tasked with developing and coordinating integrated research and development programs on environment and natural resources, as well as other related cross-cutting concerns in support to the different Bureaus of DENR;

**WHEREAS**, under the DENR - National Mapping and Resource Information Authority's (NAMRIA) land cover mapping project, the Philippine land cover map 2015 was generated, identifying the following twelve (12) land cover classifications: 1) closed forest, 2) open forest, 3) mangrove forest, 4) brush/ shrubs, 5) grassland, 6) annual crop, 7) perennial crop, 8) open/ barren, 9) built-up, 10) fishland, 11) marshland/ swamp, and 12) inland water;

**WHEREAS**, despite the availability of these maps, there are still no studies utilizing them to understand the differing above-stated effects of climate change in areas with varying types of land cover;


**WHEREAS**, during the Committee on Climate Change, Environment, and Natural Resources 4th Quarter Regular Meeting, the Committee suggested the conduct by the DENR of a correlational study between the type of land cover and the degree of damage incurred from typhoons;



**WHEREAS**, the results of the study will provide vital information for the development of local policies related to land resources utilization, and supporting literature on the need to conserve/ rehabilitate specific areas to mitigate the effects of climate change, particularly on the agri-fisheries sector;

**NOW, THEREFORE, BE IT RESOLVED, AS IT IS HEREBY RESOLVED**, that the PCAF Committee on Climate Change, Environment, and Natural Resources is recommending to the Department of Environment and Natural Resources to consider in its priority plan the conduct of a correlational study between the type of land cover and the degree of damage attributed to typhoons.

**UNANIMOUSLY APPROVED**, during the PCAF Committee on Climate Change, Environment, and Natural Resources 3rd Quarter Regular Meeting held on August 12, 2022, via Zoom video conferencing platform.

  
**MARITA P. RODRIGUEZ**  
Chairperson

Committee on Climate Change, Environment, and Natural Resources Chairperson

