

List of contents

The Environmental Country Profile comprises a checklist and the following 19 associated annexes (click on the links to go directly to the respective annex):

[Environmental Shelter Country Profile for the Philippines](#)

- [1. Background information](#)
- [2. Country environment, hazard, conflict, security and housing context](#)
- [3. Key actors](#)
- [4. Regulatory requirements and institutions](#)
- [5. Ecologically protected and sensitive areas](#)
- [6. Hazards and maps](#)
- [7. Guidance on Rapid environmental impact assessment for shelter and settlement programming](#)
- [8. Environmental Management and Monitoring plan](#)
- [9. Project management cycle and sustainable construction](#)
- [10. Utilising GIS data for enhanced humanitarian shelter programming](#)
- [11. Environment, site selection and planning issues](#)
- [12. Security of tenure and environment in the Philippines](#)
- [13. Site decommissioning](#)
- [14. Green building practices and most common building materials](#)
- [15. Green logistics and procurement](#)
- [16. Greening household items](#)
- [17. Key considerations for energy and fuel in the Philippines](#)
- [18. Debris and waste management, recycling, reuse and repurposing](#)
- [19. Climate risk management and adaptation, Nature-based solutions](#)

Each annex contains a list of relevant topics, which are detailed below (click on the links to go directly to the respective annex or topic):

[1. Background information](#)

Annex 1 provides the following information:

- [Introduction](#)
- [Development and updating](#)
- [Structure](#)
- [Checklist and annexes](#)

2. Country environment, hazard, conflict, security and housing context

Annex 2 provides the following information:

- [Country Overview](#)
- [Population and Demography](#)
 - [Philippine Population](#)
 - [Urban-Rural Distribution](#)
 - [Gender Statistics](#)
 - [Labor and Employment](#)
- [Peace and Security](#)
 - [Peace and Security Initiatives in the Philippines](#)
 - [Office of the Presidential Adviser on Peace, Reconciliation, and Unity](#)
 - [Laws and Policies Related to Peace and Security](#)
 - [Programs and Projects for Peace and Security](#)
 - [Peace and Security vis-à-vis Shelter and Settlements Programming](#)
- [Land and Environment](#)
 - [Natural Resources and Ecosystems](#)
 - [Climate and Hazards](#)
 - [Common Environmental Issues in the Philippines](#)
 - [Environment and the Shelter and Settlements Sector](#)
- [Climate Change Adaptation and Disaster Risk Reduction and Management](#)
 - [Impacts of Climate Change and Disaster Risks](#)
 - [CCA-DRR and Shelter and Settlements Programming](#)
- [Housing and Infrastructure](#)
- [Housing Systems and Models](#)
- [Shelter Cluster Philippines](#)
- [References](#)

3. Key actors

Annex 3 provides the following information:

- [Key Shelter Agencies](#)
- [Environmental Agencies/Institutions](#)
- [Other Concerned National Government Agencies](#)
- [Humanitarian and Development Agencies / Institutions](#)
- [Academic and Other Research Institutions](#)
- [Other Actors from the Private Sector](#)
- [Contact Information Directory](#)
 - [Key Shelter Agencies](#)
 - [Environmental Agencies/ Institutions](#)
 - [Other Concerned National Government Agencies](#)
 - [Humanitarian and Development Agencies/Institutions](#)
 - [Academe and Research Institutions](#)
 - [Private Sector](#)
- [References](#)

4. Regulatory requirements and institutions

Annex 4 provides the following information:

- [Institutional Mechanisms and Arrangements for Shelter and Settlements Programming in the Philippines](#)
 - [Housing and Infrastructure](#)
 - [International Mechanisms](#)
 - [National Mechanisms](#)
 - [Local Mechanisms](#)
 - [Environmental Management: Resource Utilization](#)
 - [International Mechanisms](#)
 - [National Mechanisms](#)
 - [Local Mechanisms](#)
 - [Environmental Management: Environmental Impact Assessment](#)
 - [International Mechanisms](#)
 - [National Mechanisms](#)
 - [Local Mechanisms](#)
 - [Environmental Management: Waste Management](#)
 - [International Mechanisms](#)
 - [National Mechanisms](#)
 - [Local Mechanisms](#)
 - [Climate Change Adaptation and Mitigation](#)
 - [International Mechanisms](#)
 - [National Mechanisms](#)
 - [Local Mechanisms](#)
 - [Disaster Risk Reduction and Management](#)
 - [International Mechanisms](#)
 - [National Mechanisms](#)
 - [Local Mechanisms](#)
- [Summary](#)
- [References](#)

5. Ecologically protected and sensitive areas

Annex 5 provides the following information:

- [Protected Areas](#)
 - [National Integrated Protected Areas System](#)
 - [Non-NIPAS Protected Areas](#)
 - [Environmentally Critical Areas in Palawan](#)
 - [Challenges in the Preservation and Conservation of Protected Areas](#)
- [Cultural Heritage Areas](#)
 - [Republic Act No. 10066 or the National Cultural Heritage Act of 2009](#)
- [Heritage Zone](#)
 - [World Heritage Sites](#)
 - [Challenges in the Conservation of the Heritage Zones](#)
- [Ancestral Domains and Lands](#)
 - [Republic Act No. 8371 or the Indigenous Peoples' Rights Act of 1997](#)

- [Challenges in the Preservation and Conservation of Ancestral Domains and Lands](#)
- [Cultural and Indigenous Practices on Environmental Protection and Management in the Philippines](#)
- [Link of Indigenous Knowledge and Cultural Practices and Environmental Management and its Impact on Settlements Planning](#)
- [References](#)

6. Hazards and maps

Annex 6 provides the following information:

- [Hazards in the Philippines](#)
- [Hazard Maps](#)
- [References](#)

7. Guidance on Rapid environmental impact assessment for shelter and settlement programming

Annex 7 provides the following information:

- [Environmental Impact Assessment in the Philippines](#)
- [Environmental Impact Assessment for Shelter and Settlements Programming](#)
 - [NEAT+ Process Guidance](#)
 - [Emergency Shelter Environmental Impact Assessment and Action Checklist](#)
 - [Guidance on Rapid Environmental Assessment](#)
- [Enhancing Environmental Impact Assessment for Shelter and Settlements Programming](#)
- [References](#)

8. Environmental Management and Monitoring plan

Annex 8 provides the following information:

- [Environmental Management and Monitoring Plan in the Philippine Environmental Impact Statement System](#)
- [Components of an Environmental Management and Monitoring Plan](#)
- [Environmental Management and Monitoring Plan in Shelter and Settlements Programming](#)
- [References](#)

9. Project management cycle and sustainable construction

Annex 9 provides the following information:

- [Project Management Cycle](#)
 - [Standard Project Management Cycle](#)
- [Sustainable Construction](#)
- [Integrating Sustainable Construction to Project Management in the Shelter and Settlements Sector](#)
- [Instruments and Practices to Integrate Sustainable Construction to Project Management](#)
 - [International Context \(Shelter Cluster Tip Sheet for HRP Environment and Climate Change Mainstreaming, Environmental Sustainability in Shelter and Settlements Programming, Green Recovery and Construction Toolkit\)](#)
 - [National Context \(Philippine Green Building Code, Building for Ecologically Responsive Design Excellence \(BERDE\) Program, Other Relevant National Laws and Policies\)](#)
- [Summary](#)
- [Resources and Guidance](#)
- [References](#)

10. Utilising GIS data for enhanced humanitarian shelter programming

Annex 10 provides the following information:

- [Applicability of GIS for Enhanced Humanitarian Shelter Programming](#)
- [Utilization of GIS](#)
 - [GIS Program / Application / Software](#)
 - [Platforms and Sources of GIS Data](#)
 - [Process of Developing Maps](#)
- [References](#)

11. Environment, site selection and planning issues

Annex 11 provides the following information:

- [Site Selection in Shelter and Settlements Programming](#)
- [Guidelines, Tools, and Considerations for Site Selection](#)
 - [National Laws and Regulations](#)
 - [Tools Developed and Utilized by International Organizations](#)
- [Enhancing the Site Selection Process for Shelter and Settlements Programming](#)
 - [Legal, Institutional, Technical, and Social Considerations](#)
 - [Maps and Geographic Information System as Tools for Analysis](#)

- [Site Selection Considerations as Inputs to Site Planning and Development](#)
- [References](#)

12. Security of tenure and environment in the Philippines

Annex 12 provides the following information:

- [Security of Tenure](#)
- [Types of Tenure Systems in the Philippines](#)
- [Challenges in Tenure Security in the Philippines](#)
 - [Urban Context](#)
 - [Rural Context](#)
- [Laws on Security of Land Tenure in the Philippines](#)
- [Existing Government Initiatives on Land Tenure](#)
- [Links between Security of Tenure and the Environment](#)
- [Security of Tenure and the Philippine Environment](#)
- [References](#)

13. Site decommissioning

Annex 13 provides the following information:

- [Site Decommissioning in the Shelter Life Cycle](#)
- [Site Decommissioning in Humanitarian Response Initiatives](#)
- [Strengthening the Site Decommissioning Process](#)
- [References](#)

14. Green building practices and most common building materials

Annex 14 provides the following information:

- [Common Building Construction Materials in the Philippines](#)
- [Environmental Impacts of Commonly Used Construction Materials](#)
- [Green Innovations and Practices in Shelter and Settlement Programming in the Philippines](#)
 - [Green Construction Practices](#)
 - [Green Financial-Based Shelter and Settlement Interventions](#)
- [Determination of Carbon Footprint of Building Construction Practices](#)
 - [Shelter Methodology for the Assessment of Carbon](#)
 - [Construction Carbon Calculator](#)

- [Building Emissions Accounting for Materials Estimator](#)
- [Embodied Carbon in Construction Calculator \(EC3\)](#)
- [Enhancing Shelter Construction through Green Practices and Strategies](#)
- [References](#)

[15. Green logistics and procurement](#)

Annex 15 provides the following information:

- [Humanitarian Logistics and Procurement](#)
 - [Humanitarian Logistics and Supply Chain Management](#)
 - [Gaps and Challenges](#)
- [Disaster Relief Logistics in the Philippines](#)
 - [Philippine Logistics Cluster](#)
 - [One-Stop-Shop](#)
 - [Customs Modernization and Tariff Act](#)
- [Green Logistics and Procurement](#)
 - [Logistics Operational Guide](#)
 - [Green Logistics Guide](#)
- [Strengthening the Logistics and Procurement Sector](#)
- [Environmental Checklist for Logistics](#)
- [Key green logistics activities for shelter](#)
- [Summary](#)
- [References](#)

[16. Greening household items](#)

Annex 16 provides the following information:

- [Essential Household Items During Emergencies](#)
- [Environmental Risks Associated with the Provision of Essential Household Items During Emergencies](#)
 - [Waste Generation](#)
 - [Resource Depletion](#)
 - [Carbon Emissions](#)
 - [Habitat Disruption](#)
- [Greening Household Items](#)
 - [Sustainable Procurement](#)
 - [Integration of Environmental Impact Assessment](#)
 - [Community Engagement](#)
 - [Environmental Education](#)
 - [Greening Essential Household Items in the Philippines](#)
- [Summary](#)
- [References](#)

17. Key considerations for energy and fuel in the Philippines

Annex 17 provides the following information:

- [Energy Generation and Consumption in the Philippines](#)
 - [Country Overview](#)
 - [Households Sector](#)
- [Household Energy Uses](#)
 - [Household Energy Source and Use](#)
 - [Utilization of Renewable Energy and Energy Efficiency Practices at the Household Level](#)
 - [Energy Use and Access in Resettlement Areas](#)
- [Key Considerations for Shelter Response vis-à-vis Energy](#)
- [References](#)

18. Debris and waste management, recycling, reuse and repurposing

Annex 18 provides the following information:

- [Waste and Debris Management Process and Procedures](#)
 - [Common wastes in resettlement and disaster areas](#)
 - [Solid waste management in the Philippines](#)
 - [Disaster waste management](#)
 - [Debris management](#)
 - [Construction and demolition waste management strategies](#)
- [Hazardous Waste Management Process and Procedures](#)
 - [Hazardous wastes in disaster areas](#)
 - [Hazardous waste management](#)
- [Circular Economy in Shelter and Settlements Programming](#)
- [Improvements to Waste Management vis-à-vis Environmental Sustainability Standard](#)
- [References](#)

19. Climate risk management and adaptation, Nature-based solutions

Annex 19 provides the following information:

- [Climate Change and Disaster Risk in Shelter and Settlements Programming](#)
- [Nature-based Solutions in Climate Risk Management](#)

- [Gawad Sibol Program \(2006-2019\)](#)
- [Para sa Susunod na Henerasyon Project: Nestle's Reforestation \(2022 – present\)](#)
- [Integrated Flood Risk Management Sector Project](#)
- [Nature-based Solutions by Shell Pilipinas Corporation and DENR \(2023\)](#)
- [Mangrove Reforestation](#)
- [Key Considerations for Climate Change Adaptation and Nature-Based Solutions in Shelter and Settlements Programming](#)
- [Enhancing Humanitarian Response through Climate Change Adaptation and Disaster Risk Management](#)
 - [New Way of Working](#)
 - [Climate Risk Management Approach](#)
 - [Summary](#)
- [Resources and Guidance](#)
- [References](#)