



Alien Species Crisis: Assessing the Ecological Impacts of Invasive Alien Species of Amphibians and Reptiles in the Philippines

The Alien Species Crisis: Assessing the Ecological Impacts of Invasive Alien Species of Amphibians and Reptiles in the Philippines is a two-year collaborative research of DENR and HerpWatch. The project will study the status and distribution of invasive alien species (IAS) of amphibians and reptiles in the project sites and assess their impacts to the environment. The study will be conducted in four provinces: (1) Ilocos Norte; (2) Palawan; (3) Aklan; and (4) Davao Oriental.

OBJECTIVES

The project aims to provide the needed in-depth and science-based information on invasion biology and ecology of alien amphibians and reptiles in the Philippines, to help guide the development of sound management response strategies to these biological invaders. Specifically, the project aims to:



- Provide an updated information on the status and distribution of invasive alien amphibians and reptiles in the Philippines to help in the development of a Geo-Information System (GIS) database
- Understand the invasion dynamics of alien amphibians and reptiles by reconstructing their invasion history and identifying known and potential pathways of introduction and vectors of spread
- Develop Pest Risk Maps of these alien amphibians and reptiles in order to set priority areas for potential control and management of these invasive species
- Investigate the invasion biology and ecology of the alien amphibians and reptiles through combined field experimentations and direct observations
- Identify IAS that are in need of critical management intervention by classifying current environmental impacts in the Philippines
- Formulate policy recommendations for management of alien amphibians and reptiles in the Philippines
- Conduct information campaigns in the form of conferences, workshops, and community and classroom talks, to promote citizen science and awareness

COMPONENTS

1. Field surveys and ecological studies
2. Morphological data analysis
3. Ecological assessment and habitat mapping
4. Training and conservation awareness campaign
5. Communication

GOP	Php 2 M
FUND SOURCE	Special Project Fund
IMPLEMENTING AGENCY	DENR, HerpWatch
DURATION	2 years
SECTOR	Biodiversity
REGION	I, IV-B, VI, XI
PROVINCE	Ilocos Norte, Palawan, Aklan, Davao Oriental
BENEFICIARIES	DENR/BMB

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