



Biodiversity & Ecosystem Services Team  
Cianjur - West Java, Indonesia 2011

Institute of Ecology (IOE)  
Padjadjaran University  
Bandung - INDONESIA

*Biodiversity Conditions and Ecosystem Services  
across gradient of human-modified landscape  
in Agricultural Landscape of Humid Tropic  
West Java Indonesia*

Part I: Cijedil Village



# Institute of Ecology's Research Roadmap in 2011 - 2015

Research Themes & Location		2011	2012	2013	2014	2015
<b>Theme 1: Biodiversity, ecosystem functions and services (Phase 2)</b>	<b>Location: Mid Citarum (Cibalagung and Cisokan Area )</b>	- Bio-ecological studies on biodiversity conditions and functions in human dominated landscape	- Landscape structure and configuration in biodiversity maintenance and optimization of ecosystem services in human dominated landscape	- Valuation of ecosystem services in human dominated landscape	- Spatial Analysis of Ecosystem services in human dominated landscape	- Conceptual planning and strategy for biodiversity conservation and ecosystem services management in human dominated landscape of humid tropics Indonesia
		- Agroforestry system & management (Socio-economic and ecological functions; Carbon stocking)	- Social dimension of biodiversity and ecosystem services in human dominated landscape	- Decision making process in biodiversity maintenance and ecosystem services in human dominated landscape	- Ecosystem services optimization in human dominated landscape of humid tropics Indonesia	
<b>Estimated Budget</b>		<b>IDR 250.000.000</b>	<b>IDR 250.000.000</b>	<b>IDR 200.000.000</b>	<b>IDR 200.000.000</b>	<b>IDR 350.000.000</b>
<b>Theme 2: Integrity and Capability of Karst Ecosystem in Citatah Area</b>	<b>Location: Mid Citarum (Karst Area in Citatah)</b>	- Socio-ecological studies on biodiversity conditions and functions in Karst Area	- Socio-ecological studies on biodiversity conditions and functions in Karst Area	'- Aquatic ecology & water resource management	- Conceptual planning and strategy for biodiversity conservation and ecosystem services management in Karst Area	- Ecotourism development
		Social mapping				
		'- Geological and Land suitability evaluation	'- Aquatic ecology & water resource management	'- Pollution & Environmental toxicology and community health	-Modelling & demonstration plot for small-scale production systems	- Utilization of abandoned mining land for fishery and livestock farming
		'- Agroforestry system & management	'- Pollution & Environmental toxicology and community health			
<b>Estimated Budget</b>		<b>IDR 325.000.000</b>	<b>IDR 325.000.000</b>	<b>IDR 225.000.000</b>	<b>IDR 200.000.000</b>	<b>IDR 200.000.000</b>

# Challenging questions

- How to make biodiversity issue and research attractive to students (young generation in general)
- How to secure research fund for multi-years biodiversity research using multi- and interdisciplinary approaches
- How to build a common perspective among natural and social scientists in order to establish a common concept to face biodiversity issue
- How to establish a 'mutually symbiotic' collaboration between biodiversity researchers (from developing and developed countries) and farmers/villagers involved in the real situation of biodiversity management and conservation
- How to make the results of biodiversity studies implementable for policy decision making