



Philippine Institute of Volcanology and Seismology

Legal Basis

- **Republic Act No. 766** (1952) created the Commission on Volcanology (COMVOL).
- **Executive Order No. 784** (March 17, 1982) reorganized the National Science Development Board (NSDB) into the National Science and Technology Authority (NSTA), restructuring and renaming the COMVOL to Philippine Institute of Volcanology (PHIVOLC).
- **Executive Order No. 984** (September 17, 1984) transferred the responsibility for Seismology, or the science that deals with earthquakes, which used to be a concern of PAGASA to PHIVOLC, thus renaming the agency to Philippine Institute of Volcanology and Seismology or PHIVOLCS.
- **Executive Order No. 128** (January 30, 1987) reorganized the National Science and Technology Authority (NSTA), structurally and functionally transforming it into the Department of Science and Technology (DOST), with PHIVOLCS as one of the Department's attached agencies.

Mandates

The Philippine Institute of Volcanology and Seismology (PHIVOLCS) is responsible for forecasting volcanic eruptions and earthquakes; and determining how they occur and what areas are likely to be affected. It mitigates hazards of volcanic activities through appropriate detection, forecast, and warning system, and formulates appropriate disaster-preparedness, and mitigation plans.

LOGICAL FRAMEWORK (PHIVOLCS)

Societal Goal

Sustainable Economic Growth Towards Poverty Reduction

Sectoral Goal

Knowledge, Science and Technology for Productivity, Economic Growth, and Job Creation

Organizational Outcome

Communities Made Safer from Volcanic, Seismic and Other Related Geotectonic Hazards

Major Final Outputs

Warning and Advisory Services on Volcanic and Earthquake Hazards

Hazard Mapping and Risk Assessment Services

Research and Development

Disaster Preparedness and Risk Mitigation Services

P/A/Ps

Operations and development of volcanological and geophysical observatories, including volcano observation system

Earthquake monitoring and documentation

Volcanological, seismological, and geophysical instrumentation research and development, and maintenance

Geology, petrology, and geophysical studies of volcanoes, volcanic arcs and terranes, including investigation of on-going and post-eruption deposits

Geological and geophysical studies on active faults, shear zones, landslides, earthquake effects, and other related geotectonic phenomena

Volcano eruption prediction research and development of active volcanoes and investigation of other volcano emergencies

Earthquake prediction studies

Studies on vulnerability/risk vis-à-vis geologic hazards, impact of geologic phenomena and review, update, and formulation of disaster preparedness plans and reduction action programs

Scientific and technical documentation and information dissemination

Performance Indicators

Number of volcano updates/bulletins/advisories promptly issued

Number of earthquake bulletins/advisories promptly issued

Number of tsunami bulletins/advisories promptly issued

Number of geological & geophysical events investigated

Number of hazard maps generated/updated

Number of hazard and risk assessment issued

Number of clients served

- Scientific data requests
- Map requests

Number of technical papers prepared vis-à-vis number of papers published in ISI-listed journals

Number of IPs applied/ approved

Number of projects implemented

Number of clients served by type of service

- Disaster preparedness lectures conducted
- Volcano/earthquake/tsunami drills organized/ assisted
- Seminars/workshops/ training conducted for various stakeholders
- Educational tours hosted/ visits to agency facilities

Number of new information materials developed

Number of information materials disseminated

Number of training/seminars/workshops conducted

PERFORMANCE MEASURES AND TARGETS
(Amounts in Thousand Pesos)

Particulars	FY 2008	FY 2009	FY 2010
	Amount/ Actual	Amount/ Target	Amount/ Target
MFO 1:	67,317	127,197	71,922
Warning and advisory services on volcanic and earthquake hazards			
Number of volcano updates/bulletins/advisories promptly issued	1,177	As necessary	As necessary
Number of earthquake bulletins/advisories promptly issued	391	As necessary	As necessary
Number of tsunami bulletins/advisories promptly issued	22	As necessary	As necessary
Number of geological & geophysical events investigated	3	As necessary	As necessary
MFO 2:	12,750	17,359	13,818
Hazard mapping and risk assessment services			
Number of hazard maps generated/updated	24	26	Demand driven
Number of hazard and risk assessment issued	360	Demand-driven	Demand-driven
Number of clients served			
Scientific data requests	171	Demand-driven	Demand-driven
Map requests	165	Demand-driven	Demand-driven
MFO 3:	11,897	10,768	12,153
Research and development*			
Number of projects implemented	13	10	10
Number of technical papers prepared vis-à-vis number of papers published in ISI-listed journals	10/3	5/1	5/0
Number of R&D collaborative projects with international scientific organizations**	6	7	7
MFO 4:	11,382	13,223	13,922
Disaster preparedness and risk mitigation services			
Number of clients served by type of service			
Disaster preparedness lectures conducted	13,642	Demand-driven	Demand-driven
Volcano/earthquake/tsunami drills organized	13,661	Demand-driven	Demand-driven
Educational tours hosted/Visits to agency facilities	8,778	Demand-driven	Demand-driven
Number of new information materials developed	5	5	Demand-driven
Number of trainings/seminars/workshops conducted	20	Demand-driven	Demand-driven
From Other Sources	20,302	-	-
TOTAL	123,648	168,547	111,815

Notes:

1. From Other Sources (details):	20,302
Pension and Gratuity Fund	774
Miscellaneous Personnel Benefits Fund	5,832
Automatic Appropriation - RLIP (10% Sal. Adjustments)	474
Sub-Allotments from DOST-OSEC	3,403
Continuing Allotment	9,819

2. *Output of R&D projects are technical papers and these being works of the govt. are not covered by Law of Copyrights; hence, the performance indicator "number of property rights applied/approved" has been deleted

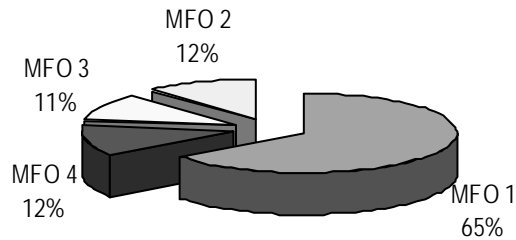
** Added

FY 2010 MFO BUDGET

By MFO/By Expense Class
(In thousand pesos)

Particulars	PS	MOOE	CO	TOTAL	% Share
MFO 1: Warning and advisory services on volcanic and earthquake hazards	35,364	33,558	3,000	71,922	65%
MFO 2: Hazard mapping and risk assessment services	7,873	5,945	-	13,818	12%
MFO 3: Research and development	5,350	6,803	-	12,153	11%
MFO 4: Disaster preparedness and risk mitigation services	8,525	5,397	-	13,922	12%
TOTAL	57,112	51,703	3,000	111,815	100%
% Share	51%	46%	3%	100%	

By MFO
(Total Budget = P111,815,000)



By Expense Class
(Total Budget = P111,815,000)

