

**PERÚ****Ministerio
del Ambiente****Instituto
Geofísico del Perú**

RESEARCH AGREEMENT

between

INSTITUTO GEOFISICO DEL PERU

Lima -Peru

and

UNIVERSITY OF CALIFORNIA – SAN DIEGO

San Diego, California, USA

April 2015

Introduction

This document records the agreement between Instituto Geofísico del Perú, hereafter called IGP, represented by its Director Dr. Ronald Woodman, identified with L.E. N. 09178924 with legal address at Calle Badajoz 169, Urb. Mayorazgo IV Etapa, Ate and the Cecil H. and Ida M. Green Institute of Geophysics and Planetary Physics, University of California, San Diego, mailing address 9500 Gilman Drive, La Jolla, CA 92093-0225, hereafter called UCSD.

Objective

The objective of the present agreement is to maintain the high performance of the seismic station of Ñaña (NNA) with the state-of-the-art scientific instrumentation.

Antecedents

UCSD and IGP are institutions that carry out seismological studies, especially to monitor and detect seismic activity at local and regional levels. In 1975, UCSD, through Project IDA, installed at IGP's Ñaña (NNA) seismic station, high sensitivity broadband sensors and a digital recording system. This step raised the state of the art in monitoring and recording seismic events in Peru and improved seismic risk evaluation in the country.

UCSD and IGP want to maintain this scientific collaboration by operating and maintaining the NNA seismic station, which is part of the IRIS Global Seismographic Network, as a first class, state-of-the-art seismic station.

Therefore IGP and UCSD agree to the following.

First Clause

UCSD will send state-of-the-art digital seismic equipment during this period to upgrade and/or replace the current NNA seismic equipment that has deteriorated into obsolete condition. The equipment and parts sent by UCSD will be installed at the NNA seismic station and will be operated by IGP for a period of five years after its arrival in Peru.

Second Clause

The seismic equipment remains property of the US government and is intended to be used only at the Ñaña (NNA) seismic station for monitoring local and regional seismicity in Peru.

Third Clause

- If during its operational period, one or more of its components fails, or when required by UCSD, IGP will return the failed part/parts to UCSD for repair and/or upgrade at no cost to IGP. In this way the good performance of the NNA station will be maintained.
- UCSD will send replacement parts for the data acquisition system and/or a trained technician to service the equipment when necessary to maintain normal operation.

Fourth Clause

IGP to the extent possible should provide Internet access to the NNA seismic station and its data, which can be used freely for their scientific purposes.

Fifth Clause

IGP designates its Chief of Seismic Networks as the coordinator between IGP and UCSD on technical aspects related with the NNA seismic station.

Sixth Clause

It is not the intention of UCSD that IGP incur substantial costs in the operation of the UCSD's equipment at the seismic station NNA. For this reason UCSD will be responsible for US\$2,500 annually (two thousand five hundred dollars) in operational expenses.


Seventh Clause

The agreement will be valid for five years following its signature.

Signed on April 13, 2015



Professor Steven Constable
Director IGPP-UCSD


Dr. Ronal Woodman Pollit
Presidente Ejecutivo IGP