

was given from November 1992 to March 1993 (Dr. Bruno Martinelli, ETH Zurich).

- Late in 1991 a member of OSSO (H. Meyer) was given a training fellowship by the Intergovernmental Oceanographic Commission (IOC/ITSU) and spent three weeks in Hawaii (International Information Center, Pacific Tsunami Warning Center, University of Hawaii and elsewhere).
- In order to pursue investigations into seismic potential in the subduction zone and other academic and scientific activities, a three-year cooperation agreement has been signed between OSSO and the International Institute for Seismic Forecasting Theory and Mathematical Geophysics (IIEPT) (Russian Academy of Sciences).
- OSSO has continued its programme of cooperation with the neighbouring country of Ecuador (Geophysics Institute, Escuela Politécnica Nacional, Quito). The Institute has joined OSSO's investigations with IIEPT. An Ecuadorian researcher spent 10 days at OSSO as a guest in March 1993, coinciding with Dr. Kosobokov's visit. Telemetric links between the seismological networks will be established when the equipment has been assembled at OSSO.
- In 1993, during the first visit to OSSO by Dr. Martinelli (Institute of Geophysics, ETH Zurich), work began on the dynamic modelling (numerical solution of wave equations) of tsunami wave propagation in coastal areas. OSSO has a verbal commitment from the Swiss Disaster Relief Corps and a signed letter of intent with the Swiss Federal Seismological Service.
- The European Economic Community approved the sum of approximately \$9 million (December 1993) to support the Strategic Plan for the Resiting of Housing in the High-Risk Zone in Tumaco. This re-



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presents 60 per cent of the cost of the Plan; the remaining 40 per cent will be furnished by the national and local governments.

3. Strengthening of the National Tsunami Detection and Warning System

The National Tsunami Detection and Warning System has been strengthened:

- The two phases of the Risk Mitigation Programme in Colombia (UN-DHA/CIDA/DNPAD) have brought in approximately \$65,000 to pay support staff and purchase instruments - equipment for the station on Isla Gorgona, for the partial assembly of seven seismic stations and for the study on seismic vulnerability in Tumaco.
- The Board of the National Disaster Fund approved an amount of 238,100,000 pesos (7 December 1992) to support the installa-