

Appraisal

Among the results of phase I, the following stand out:

- A convergence between scientific/technical work and political and administrative efforts
- The institutional benefits conferred by the National System for Risk Mitigation and Disaster Preparedness: use of the methods and procedures required for SNPAD-activities has yielded tools and experience that can be applied in other parts of the country
- A realization by society and by public and private entities that disaster preparedness is an integral process covering technical and scientific, administrative, legal, political, social, community, economic and information-management and other aspects
- Growing awareness among the general public, thanks to education, training and public information programmes combining to yield a better understanding of their surroundings and of how to coexist harmoniously with their environment
- Optimal use of physical, economic and administrative resources by local bodies and the community
- The strengthening of institutional arrangements and provision of tools for incorporating the notions of disaster prevention and mitigation into the process of economic and social development
- Lastly, the assistance of UNDHA (formerly UNDRO), which made good methodological, technical and administrative shortcomings besides providing expert advice, basic and special-purpose equipment and the training and logistics that the programme required, deserves special mention ●

REFERENCES. PHASE I

For the record, the main documents produced in the course of the projects under phase I are listed below.

Campos, Ana, *Mitigación del Riesgo Sísmico en la ciudad de Cali*. OSSO, Univalle. Cali, 1992.

Cardona, Omar Darío-Meyer, Hans. *Memorias de la IV International Conference on Seismic Zonation*, Stanford, 1991.

Consejo Colombiano de Seguridad. *Estudio sobre el Programa de Mitigación de Riesgos Industriales en Bogotá*, 1989.

Consejo Colombiano de Seguridad. *Creación de un Centro de Información de Seguridad Sobre Productos Químicos*, Bogotá, 1988. Document produced with assistance from the Pan-American Health Organization and the World Health Organization.

Consejo Colombiano de Seguridad. *Informe sobre actividades desarrolladas en el tema Mitigación de Riesgos Industriales*. National workshop on commodity identification, monitoring, handling, transport and storage systems.

Two courses on training in coping with chemical accidents. Seminar on safety in chemicals transport: proceedings, Bogotá, 1988. Study into critical cases of water pollution. Chemical risk map. Community-oriented emergency plans. Mutual assistance plan. Reports on the Mt. Galeras volcano emergency. Analysis of industrial hazards in Pasto as a second-order element in the Mt. Galeras emergency. Draft study on the organization, resources and opera-

tions of Colombia's fire brigades. Model for the production of a preliminary urban technology hazard map. Course on dangerous substances response drills: proceedings, Bogotá, 1988.

Duarte, Alvaro. *Determinación de la Vulnerabilidad del Area Urbana de Tumaco*. Comisión Colombiana de Oceanografía. Bogotá, 1991.

García, Manuel. *Estudio sobre deslizamientos, Memoria metodológica aplicada a Paz del Río*. Consultancy. Bogotá, 1989.

González, Samir. *Estudio preliminar de vulnerabilidad sísmica de Tumaco*. OSSO, Univalle. Cali, 1990.

González, Samir. *Estudio piloto sobre vulnerabilidad sísmica para la ciudad de Cali*. OSSO, Univalle. Cali, 1990.

Mora, Sergio. *Inestabilidad de laderas en la cuenca alta del río Chicamocha*. Departamento de Boyacá. Consultancy. Bogotá, 1990.

Meyer, Hans. *Proyecto Integral para la Mitigación del Riesgo Sísmico de Cali*, Vol. II, pp. 91 to 116. Cali, 1990.

Santacruz, Juan Carlos. *Aspectos Educativos y Comunitarios de Prevención de Desastres en el Municipio de Tumaco*. Consultancy. Bogotá, 1991.

Velasco, Jimena. *Estudio sobre deslizamientos, Memoria del proceso comunitario*. Consultancy. Bogotá, 1991.

Velásquez, Andrés. *Estudios históricos de eventos incluido examen del Archivo General de Indias de Sevilla, España*. OSSO, Univalle. Cali, 1992 ●