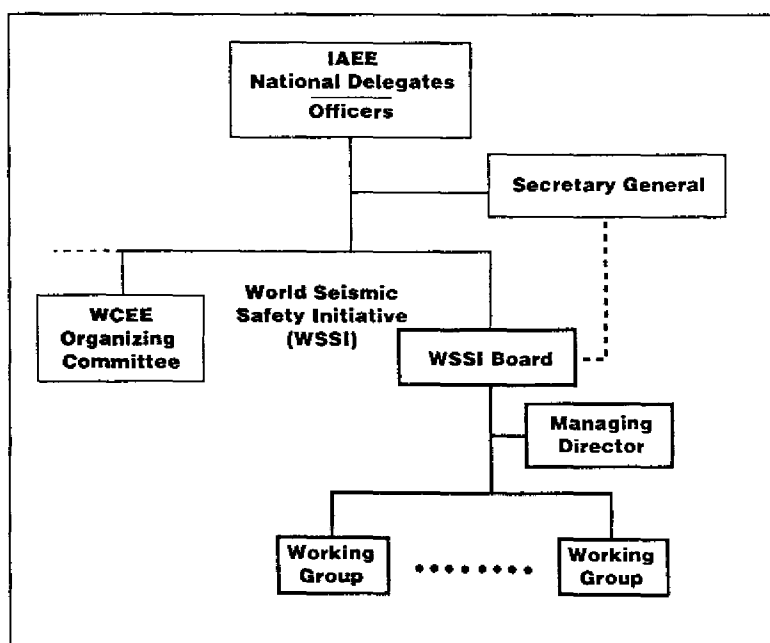


WSSI Implementation Plan

The World Seismic Safety Initiative will be established by the IAEA as a not-for-profit corporation. It will be governed by a Board of Directors. A Managing Director will operate the WSSI, and Working Groups will be established to conduct individual projects. The IAEA Executive Committee will oversee Board activities.

The WSSI Board of Directors will be responsible for the operations of the WSSI. The Board of Directors will consist of eight members. They will serve three-year terms, and can be reappointed once. Two members are appointed each year. The Board of Directors will establish policy, hire a Managing Director, approve projects, retain consultants, enter into contracts, and otherwise conduct the affairs of the WSSI. The Board of Directors will delegate authority to the Managing Director for conduct of day-to-day WSSI operations. The Board, however, will retain ultimate responsibility for all



Organizational chart for the IAEA and WSSI. The shaded area indicates the new WSSI organization.

WSSI activities and will have primary responsibility for obtaining the financial resources required to carry out the goals of the WSSI.

WSSI Managing Director

The WSSI Managing Director will be recruited and appointed by the Board of Directors and will be under contract to the Board. The Managing Director must be a recognized world leader who has the technical expertise and standing in the engineering community to lead major international research and practice development programs.

The duties of the Managing Director will include:

1. *Provide leadership and management direction to the WSSI.*
2. *Prepare and maintain program plans, budgets, and schedules for the WSSI.*
3. *Encourage worldwide participation in the WSSI activities and programs*
4. *Assist the Board in obtaining the resources required to implement the WSSI goals.*
5. *Appoint Working Group leaders and members.*
6. *Assist Working Group leaders in obtaining resources necessary to conduct their projects*
7. *Provide policy guidance for conduct of Working Group activities*
8. *Provide coordination and cooperation among Working Groups.*
9. *Represent the WSSI before international organizations.*
10. *Prepare quarterly reports to the Board and annual reports to the IAEE*
11. *Coordinate publication of WSSI products and provide for their wide dissemination*
12. *Foster cooperation among IAEE members.*

Working Groups

Working Groups are the backbone of the WSSI. A Working Group will be formed for each project undertaken by the WSSI. A project proposal may be prepared by any interested party. In order to be eligible for support or endorsement by the WSSI, a project must be directed toward practical actions that improve seismic safety in wide regions of the world. Proposals must, at a minimum, contain the following information:

1. *Objectives to be achieved.*
 2. *Technical work plan and schedule of how objectives will be achieved.*
 3. *Who will participate, including their technical expertise, qualifications, and time commitments.*
 4. *Financial resources required and a plan for obtaining these resources.*
 5. *Endorsement by the national societies of the participating countries*
-

Proposals will be reviewed by the Board of Directors. A proposal will be selected based on its quality and whether it contributes to the overall WSSI goals. Working Groups will be established for approved projects. The Managing Director may appoint additional members to the Working Groups. Working Group membership must ensure multi-national participation of qualified and knowledgeable individuals. Approved proposals will generally involve individuals and activities in several cooperating countries.

Working Group leaders will be responsible for the conduct of their project, subject to review and approval by the Managing Director, and will perform all appropriate management functions. The Managing Director will be a member of all Working Groups.

Financing the World Seismic Safety Initiative

The WSSI will require financial resources to achieve its goals. There are two financial requirements: first, funds to support the administrative operations of the WSSI, and second, funds to support individual Working Group projects.

The financial and administrative plan for the WSSI is based on increasing worldwide resources for earthquake engineering research and practice improvement activities. The WSSI will expand the resources available by developing new funding sources, and will not reallocate financial resources from other earthquake engineering activities.



Hindukush Earthquake, Pakistan and Afghanistan, February 1991

It will be the responsibility of the Managing Director, working with the Working Group leaders and the Board of Directors, to develop the resources needed to successfully complete approved projects. This will entail the financial, personnel, and facilities commitments necessary to complete specific projects approved by the Board of Directors. The Board of Directors will act as advocates for Working Groups so that local funding can be facilitated. It is possible that, after the start-up period, the WSSI will have the resources to directly fund projects. Initially, however, sponsorship will have to be sought for each individual project. Depending on the type of project to be supported, the following funding sources will be explored:

1. *National organizations that sponsor earthquake engineering projects involving participants from several countries.*
2. *Internationally-oriented agencies that sponsor cooperative projects. These include both international organizations and national governmental agencies*
3. *International financial institutions. These include institutions that provide development loans and grants and those that are major underwriters of international property and casualty insurance and reinsurance*
4. *Philanthropic foundations, including those that have special purposes and those that are affiliated with large industrial organizations.*
5. *Private for-profit corporations that have a stake in improving performance of constructed facilities, primarily manufacturing and construction firms.*

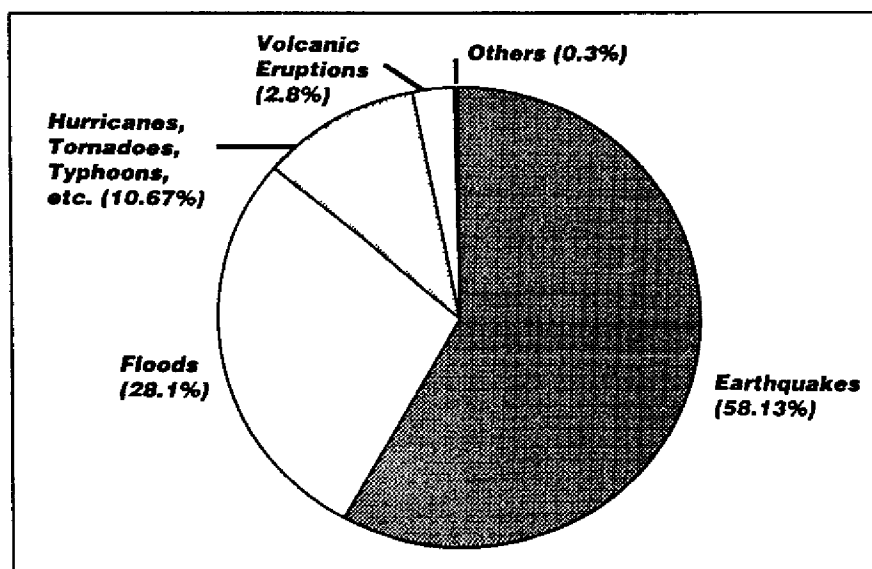
The most difficult financial period for the WSSI will be the start-up phase. All of the above categories of sponsors are likely to consider providing support for specific projects, but only after the WSSI is an operating organization with an active Board of Directors and a Managing Director.

Addendum

International Decade for Natural Disaster Reduction

On December 11, 1987, the United Nations General Assembly approved Resolution 42/169 and voted to designate the 1990s as the International Decade for Natural Disaster Reduction (IDNDR). The United Nations reports that, in the last 20 years, natural disasters have claimed almost three million lives and have adversely affected more than 800 million people worldwide. From 1900-1976, earthquakes were responsible for almost 60% of deaths due to natural disasters. By creating the International Decade for Natural Disaster Reduction, the United Nations has recognized that natural disasters are an international concern, a part of life that must be planned for and prepared for by those in areas at risk.

In enacting the IDNDR, the Secretary-General of the United Nations called on the people of the world, as well as their governments, to work toward greater security against natural disasters. "The governments of all countries should participate actively in the Decade by educating and training their citizens and [should] make



Estimates of the total number of lives lost due to natural disasters from 1900 to 1976, not including drought (Science Today, July 1980)

available the power of science and technology to reduce disaster losses..."

The concept of an International Decade for Natural Disaster Reduction was first proposed by Dr. Frank Press, President of the U.S. National Academy of Sciences, in his keynote speech at the Eighth World Conference on Earthquake Engineering in San Francisco in 1984. This was followed, over the next four years, by preparation of a plan by the U.S. National Research Council, its consideration by the international community, and its further development and ultimate adoption by the United Nations.

The United Nations (General Assembly Resolution 44/236, March 20, 1990) formulated the international framework of action for the IDNDR, the policy measures to be taken at the national level, actions for the United Nations system, and defined financial arrangements. The resolution strongly encourages non-governmental organizations to participate in the IDNDR.

The International Association for Earthquake Engineering (IAEE) recognizes the IDNDR as an opportunity to launch the World Seismic Safety Initiative (WSSI). The goal of the WSSI is to improve the built environment so that it can better withstand earthquakes. By establishing the World Seismic Safety Initiative, the IAEE is calling the world engineering community to action, to participate in improving the built environment by working together to address problems common to all seismically active areas.



Resolutions Adopted at 10 WCEE in Madrid
(July 24, 1992)

1. The IAEE Executive Committee and the General Assembly of Delegates would like to express their deep gratitude to His Majesty Juan Carlos I, King of Spain, for having accepted the Presidency of the Honorary Committee of the Tenth World Conference on Earthquake Engineering.
2. The IAEE Executive Committee and the General Assembly of Delegates wish to express their great appreciation to the Host Organization, Asociacion Espanola de Ingenieria Sismica and the 10WCEE Organizing Committees for the excellent execution of this highly successful event.
3. *The IAEE Executive Committee and the General Assembly of Delegates express their appreciation for the work done by the IAEE/EERI Panel members, who prepared the document "A Time for Action: The World Seismic Safety Initiative."*

3.1 The IAEE endorses the concept of the World Seismic Safety Initiative (WSSI) and directs the Executive Committee to:

- a) *Establish the WSSI as a legal entity according to the guidelines set forth in the aforementioned document;*
- b) *Appoint an interim committee to perform such duties as required to establish the WSSI until the members of the Board of Directors are appointed;*
- c) *Conduct a review of the activities of the WSSI, in time for the 11WCEE and to recommend to the General Assembly of Delegates at that time whether or not IAEE involvement with the WSSI should continue.*

3.2 The WSSI activities in the initial period (3 years or so) should have a very heavy component directed toward the dissemination of existing knowledge.

3.3 The action taken by the National Delegates of the IAEE, including this resolution with its appendices, be published as an official document.
