



MY PRESENTATION CONSISTS OF TWO PARTS

- 1. PROJECT FOR SEISMIC RISK REDUCTION IN THE CAUCASUS COUNTRIES**
- 2. RECOMMENDATIONS TO VR PROGRAM**



MAIN PROBLEM

SEISMIC RISK REDUCTION

SOLUTIONS

- Establishment of the Regional and National centers for Seismic Risk Management
- Operative information exchange concerning the current seismic hazard
- Warning of the population about the level of seismic hazard
- Joint activities in the field of preparedness of population in the countries of the region

SOLUTIONS 2

- Creation of joint Rapid Response Forces
- In the field of seismology, engineering, preparedness of population to strong conducting of joint researches earthquakes
- Conducting of annual joint workshops, seminars and conferences

OUTPUT 1

- Establishment Regional and National seismic risk management centres responsible for the seismic risk reduction program



ACTIVITIES

- Preparation of the centre's missions statement, objectives, programs and work plan
- Further modernization of the equipment, observation networks, communication means
- Procurement and additional funding for the centres' programmes from donors and the private sector

OUTPUT 2



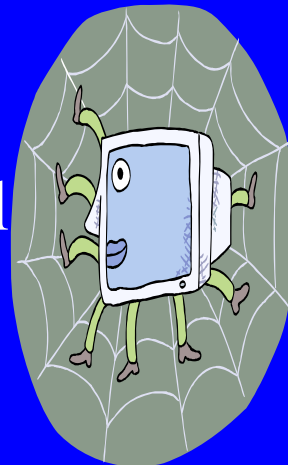
- Creation of the National and Regional databases of seismic risk reduction

ACTIVITIES

- Development of a package of programs for the organization of national and regional databases
- Creation of seismological, geophysical, geological, seismotectonic, geochemical etc databases
- Creation of database on seismic vulnerability of buildings and structures, the preparation of the population and the bodies of state governance, medical preparedness, search and rescue operations

OUTPUT 3

- Current seismic hazard assessment based on the National multiparameter monitoring networks



ACTIVITIES

- Creation and development of the monitoring networks
- Real-time data acquisition and processing
- Current seismic hazard mapping

OUTPUT 4



- Creation of national and regional maps of seismic hazard and risk at different scales

ACTIVITIES

- The installation of the GIS “VENTEN” system
- Acquisition and development of software package for hazard and risk mapping
- Hazard and risk mapping on the basis of the databases and the GIS “VENTEN” system

OUTPUT 5

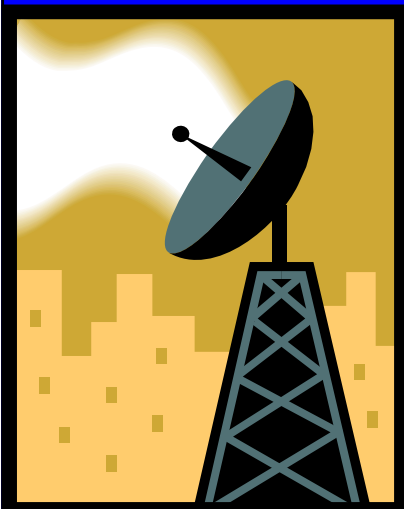
- Reduction of the vulnerability of buildings and structure (including building codes and standards)



ACTIVITIES

- Development and testing of new technologies for increasing seismic resistance of buildings and structures without the evacuation of tenants
- Development of recommendations towards the national seismic building codes
- Development of recommendations for control over the design of seismically resistant structures

OUTPUT 6



- Development of early warning systems

ACTIVITIES

- Development of project for the establishment of an early warning system on the national and regional levels
- Installation of an early warning system around major settlements and hazardous facilities

OUTPUT 7

- Increase of public awareness and the knowledge on seismic hazard and risk



ACTIVITIES

- Development and publication of training manuals for schools and universities, governmental and non-governmental organizations
- Development of operation plans of actions for bodies of state governance on three levels: local level, national level and regional level

ACTIVITIES 2

- Preparation of the population and bodies of state governance to act before, in the course of and after strong earthquakes
- Organization and conduct of training alarms
- Creation of video films and video clips for increasing the public awareness
- Publication of a magazine entitled “seismic protection of the population”

OUTPUT 8



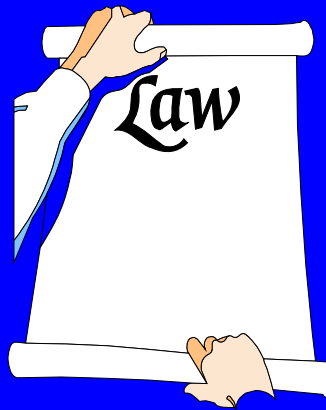
- Increase of medical preparedness and the preparedness level of search and rescue teams (including rapid response and rescue operations, first aid and rehabilitation)

ACTIVITIES

- Publication of a manual on extending first medical aid in the event of strong earthquakes
- Training of the population in extending first medical aid in the event of strong earthquakes
- The preparation of instructors that would train in rescue operations
- The development of plans of search and rescue operations on the local, national and regional levels

OUTPUT 9

- Development of draft laws and normative tools on the protection of population against strong earthquakes



ACTIVITIES

- Acquaintance with the analytical and legal documents and literature of other countries in relevant domains
- Creation of insurance system

OUTPUT 10



- Establishment and operation of a network, as well as a system for the dissemination of information with partner institutions of the Caucasus countries

ACTIVITIES

- Networking the national computer system
- Organization and conduct of regular thematic workshops
- Publication of specialized reviews and newsletters

PROJECT END-USERS

- All the population of the Caucasus countries
- The most vulnerable groups of population
- Local and state authorities
- Experts in the field of emergency management
- Interested ministries and agencies of the Caucasus countries
- Representatives of foreign organizations and missions working in Caucasus countries

PART 2

MY ACTIVITIES AT ADRC

MY RECOMMENDATIONS TO VR

WHAT DID I LEARN



- BASIC FACTS ON THE EARTHQUAKE, RECOVERY AND RECONSTRUCTION PROCESS



- DISASTER PREVENTION POLICY AND COUNTERMEASURES

WHAT DID I LEARN



- PUBLIC AWARENESS FOR DISASTER PREPAREDNESS



- NETWORK SYSTEM AND SATELLITE COMMUNICATION SYSTEM

WHAT DID I LEARN



- TELEMETRIC SYSTEM AND GPS SYSTEM, STRONG MOTION NETWORK

FIELD SURVEYS

- HYOGO PREFECTURAL GOVERNMENT, EMERGENCY MANAGEMENT CENTER ▶ DISASTER PREVENTION POLICY AND COUNTERMEASURES
- EARTHQUAKE DISASTER MITIGATION RESEARCH CENTER ▶ OVERVIEW OF THE EARTHQUAKE DISASTER MITIGATION RESEARCHERS
- NATIONAL RESEARCH INSTITUTE FOR EARTH SCIENCE AND DISASTER PREVENTION ▶ BASIC CONCEPTS OF 3-D FULL-SCALE EARTHQUAKE TESTING FACILITY
WORLD'S LARGEST SHAKING TABLE

FIELD SURVEYS 2

- NOJIMA EARTHQUAKE FAULT MUSEUM ▶ OBSERVATION OF REAL FAULT AFTER EARTHQUAKE IN 1995
- DISASTER PREVENTION PLANNING OFFICE MAINTENANCE & SERVICE OPERATION DEPARTMENT, NTT ▶ DISASTER COUNTERMEASURES FOR COMMUNICATIONS LIFELINES
- CABINET OFFICE ▶ NATIONAL DISASTER MANAGEMENT POLICY
- UNIVERSITY OF TOKYO, EARTHQUAKE RESEARCH INSTITUTE ▶ EARTHQUAKES RESEARCH

FIELD SURVEYS 3

- HONJO DISASTER PREVENTION CENTER ▶ PUBLIC AWARENESS FOR DISASTER PREPAREDNESS
- SHIZUOKA PREFECTURE ▶ EARTHQUAKE COUNTERMEASURES
- EARTHQUAKE DISASTER PREVENTION AND INFORMATION CENTRE ▶ INFORMATION DISSEMINATION AND PUBLIC AWARENESS
- JAPAN SYNCHROTRON RADIATION RESEARCH INSTITUTE (SPring 8) ▶ OVERVIEW FOR SYNCHROTRON RADIATION TO VARIOUS SCIENTIFIC AND TECHNOLOGICAL FIELDS

NICE MEMORIES




- SAKURA BLOSSOM
- KOBE PORT
- KOBE OJI ZOO
- HIROSHIMA CITY
- MIYAJIMA
- DOGO HOT SPRING SPA
- TOKYO
- SHIZUOKA CITY
- MIKI CITY
- TEMPLES TO KYOTO
- THE HORIE ORGEL MUSEUM
- HIMEJI CASTLE
- THE NOJIMA FAULT MUSEUM
- AKASHI KAIKYO BRIDGE
- THE KIKU-MASAMUNE SAKE BREWERY MUSEUM
- SUMA AQUALIFE PARK
- NUNOBIKI HERB PARK
- KARAOKE
- ICE CREAM, SUSHI, TEMPURA, TAKOYAKI

SUGGESTIONS

- SPECIFIC PROGRAM AND A WORK SCHEDULE BE PREPARED AND INFORMED TO VR BEFORE ARRIVAL TO JAPAN
- A SMALL GUIDE BOOK ABOUT JAPAN (CUSTOMS, FOOD, MEMORIAL PLACES ETC.) SHOULD BE PROVIDED

FUTURE COLLABORATION BETWEEN NSSP AND ADRC

JOINTLY PROVIDING

-  OF INFORMATION ON NATURAL DISASTER AND DISASTER REDUCTION
-  OF INFORMATION ON EMERGENCY RELIEF DURING DISASTER
-  OF DISASTER RELATED INFORMATION FOR DATABASES ON ADRC WEB SITE
- **SHARE INFORMATION** ON RISK ASSESSMENT TECHNOLOGY AND EMERGENCY ASSESSMENT OF DAMAGED STRUCTURES
- **RAISING** OF KNOWLEDGE AND AWARENESS OF DISASTER REDUCTION AMONG PUBLIC

