



**Asian Conference on Disaster Reduction 2018**  
**30 October - 1 November 2018, Awaji Island, Hyogo, Japan**



**ADRC Visiting Researchers Program for the Regional (National)  
Survey for Seismic Protection, Ministry Of Emergency Situations,  
ARMENIA**

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how the learning and experiences of VR program members helped enhancing our capacities and contributing to DRR activities

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***Ministry Of Emergency Situations,***

***REPUBLIC OF ARMENIA***



## General information Republic of Armenia

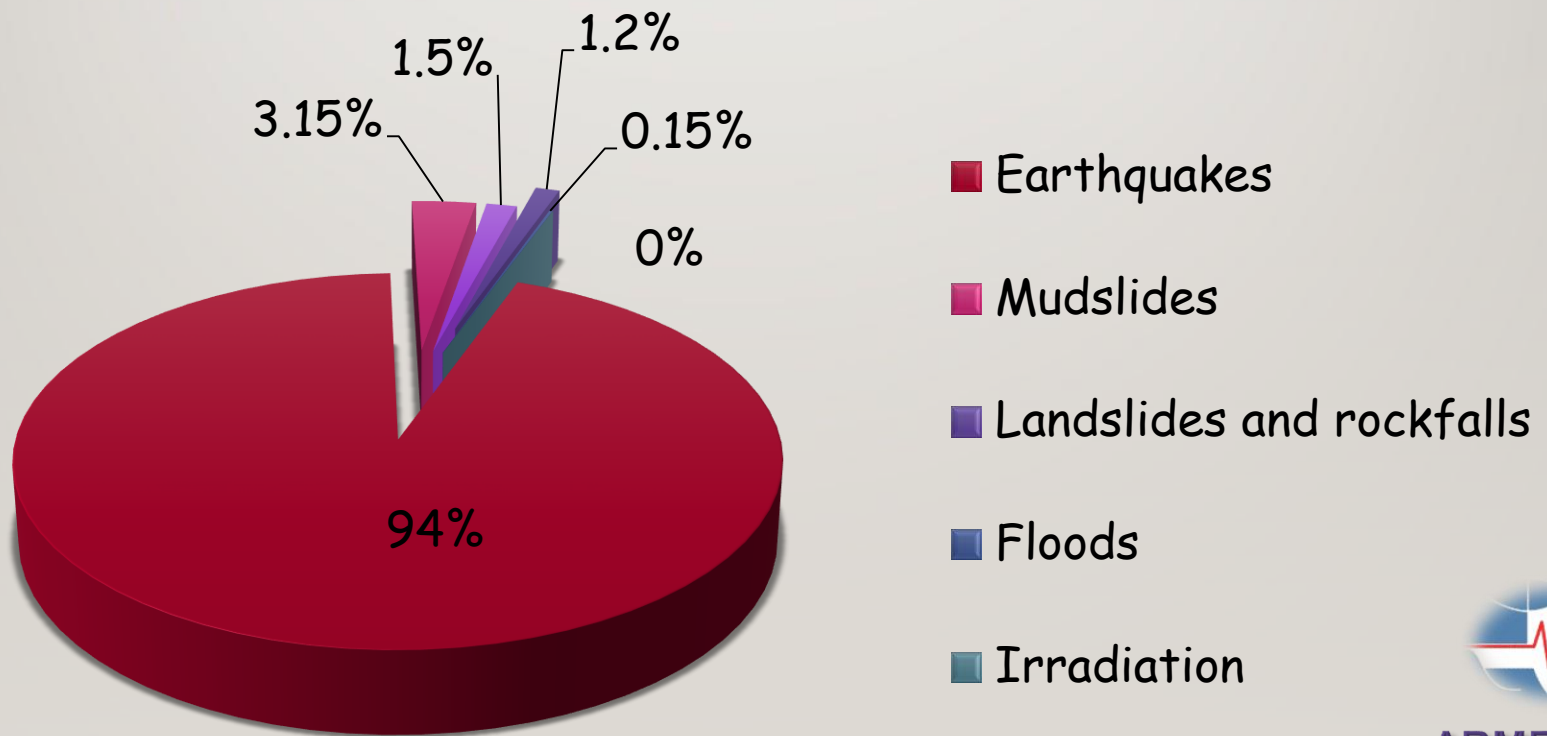


<b>Official language</b>	Armenian
<b>Capital</b>	Yerevan
<b>Administrative and territorial unit</b>	Marz (11 Marzes in all including Yerevan)
<b>National currency</b>	Dram (international currency code - AMD)
<b>Territory</b>	29.74 thousand square km
<b>Neighbouring countries</b>	north- Georgia south- Iran east- Azerbaijan west- Turkey
<b>Average elevation above sea level</b>	1800 m
<b>Population</b>	3,018,000
<b>Average temperature</b>	in January - -6.8° C, in July - +20.8° C
<b>Time zone</b>	Greenwich mean time + 4 hours

# THE DISASTERS IN ARMENIA

Losses from disaster in Armenia have the following structure

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# Strong Earthquake in Spitak 1988, M=7.0

- **25.000** people losses
- **250.000** injured
- **500.000** homeless



Here, with example of the 1988 Armenian **earthquake**, also known as the **Spitak EQ**, we have the answer to the question **why focus on capacity development?**

**Because of its absence all so called input parameters for DRR and DRM were**  
**neglected**

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- absence of state management body in the field of seismic protection;
- - not proper assessment of seismic hazard;
- - absence of state program on seismic risk reduction
- - absence of united observation network;
- - low seismoresistance of buildings and structures;
- - not proper preparedness of population and state management bodies
- - lack of experience or **total absence** of experience in the field of disaster management

**Preparedness + Resources + Actions = close to 0**



I may say that real capacity development in Armenia starts in 1991 when  
NSSP established

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Due to its structure NSSP became a bridge between research institutes and administrative structures by joining scientist and decision makers.

**The main goal of the Armenian NSSP is multidisciplinary Seismic Risk Reduction including all the issues mentioned above.**





**National Survey for Seismic Protection (NSSP) was founded under the Government of the Republic of Armenia on July 17, 1991.**

**Now Armenian RSSP is under the Ministry of Emergency Situation.**



# LAWS AND REGULATIONS

**Seismic Protection activities are regulated by a number of laws and legislative acts and national programs of the Republic of Armenia:**

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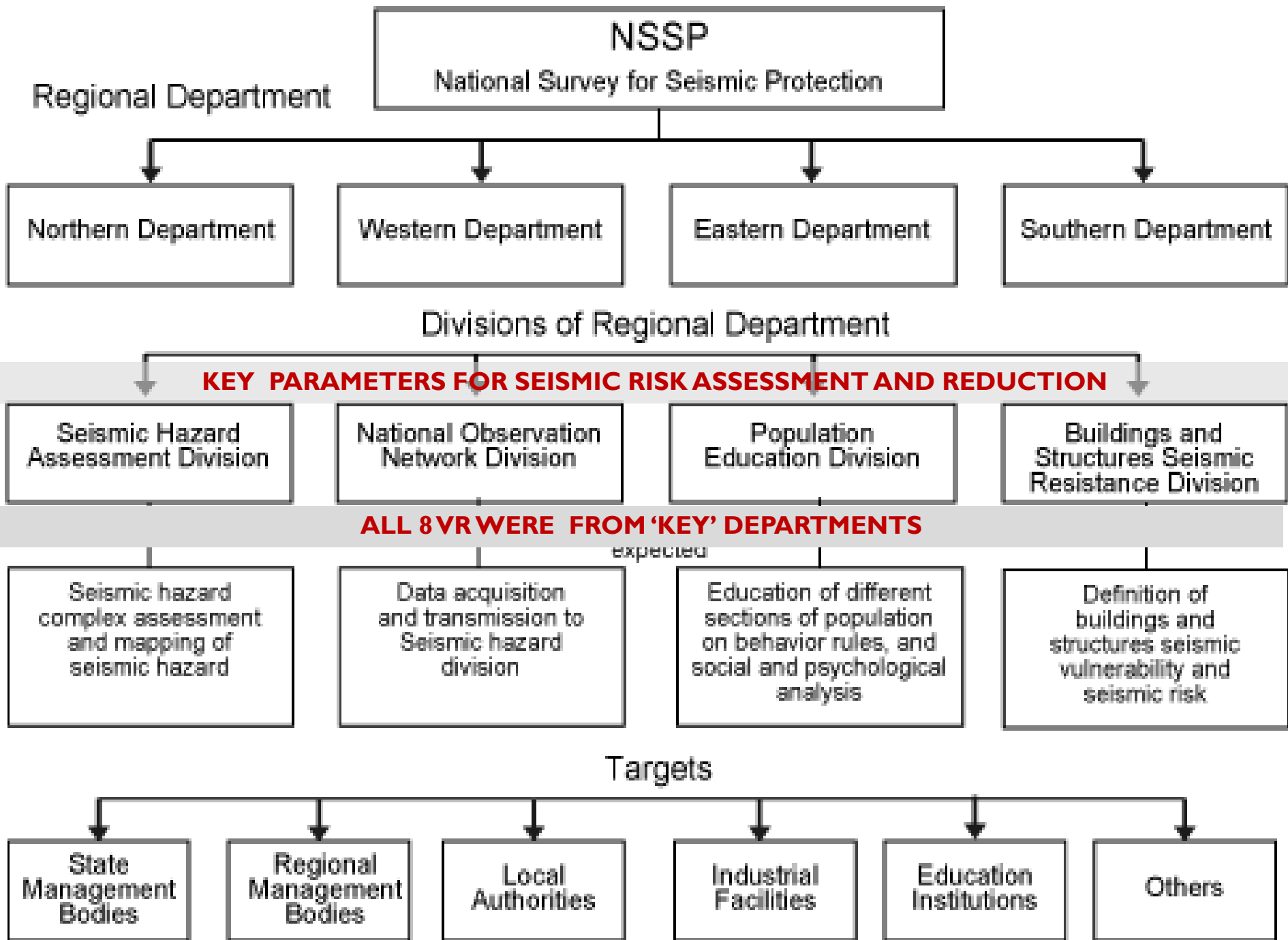
<b>Law of RA</b>	<b>The Law of the Republic of Armenia on Seismic Protection (2002)</b>
<b>Resolutions of Government</b>	<b>The Complex Program of Seismic Risk Reduction in the RA Territory (1999)</b>
	<b>The Complex Program of Seismic Risk Reduction in Yerevan city (1999)</b>
	<b>The Resolution of the Government of RA on establishment of the list of critical important and general facilities in the field of seismic protection (2003)</b>
<b>Regulation</b>	<b>“National Survey for Seismic Protection” Agency (2008)</b>



# The basic goal of NSSP is Seismic Risk Reduction in Armenia

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- ✓ **Seismic Hazard and Risk Assessment**
- ✓ **Vulnerability reduction in urban areas, including reinforcement and upgrading of existing buildings, design of new codes and standards**
- ✓ **Public awareness, people education and training**
- ✓ **Early warning and notification**
- ✓ **Partnership establishment, involving public and private organizations**
- ✓ **Risk management, including Emergency Response and Rescue Operations**
- ✓ **Insurance**
- ✓ **State disaster Law and regulations**





# ADRC

Asian Disaster Reduction Center (ADRC)

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## Information on Disaster Risk Reduction of the Member Countries

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Click a country on the map or on the list to see information



Countries reports that provide information on disaster prevention of the member countries and the advisor countries, and other related information can be found here.

[Main Contents of Country Reports]

- Natural Hazards characteristic of the country
- Disaster Management system

[Main Contents of Related Information]

- Link to the Disaster Management Organizations

# VISITING RESEARCHER PROGRAM is WIDE EXPERIENCE

on

1. Learning DRR Knowledge

2. Networking Between Countries

3. Contribution to developing capacity and share of experience in own countries



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**Preparedness + Resources + Actions=close to 0**



## WHY FOCUS ON CAPACITY DEVELOPMENT?

- **absence** of state management body in the field of seismic protection; **NSSP, MES**
- - **not proper** assessment of seismic hazard; **hazard maps, building codes**
- - **absence** of state program on seismic risk reduction **The Law of the Republic of Armenia on Seismic Protection (2002)**
- - **absence** of united observation network; since **1991 established multiparameter network**
- - low seismoresistance of buildings and structures; **PROBLEM REMAINS, but at least for new constructions problem solved**
- - **not proper preparedness of population** and state management bodies **the state training system**
- - **lack of experience or total absence of experience** in the field of disaster management **ADRC, JICA, JAXA**

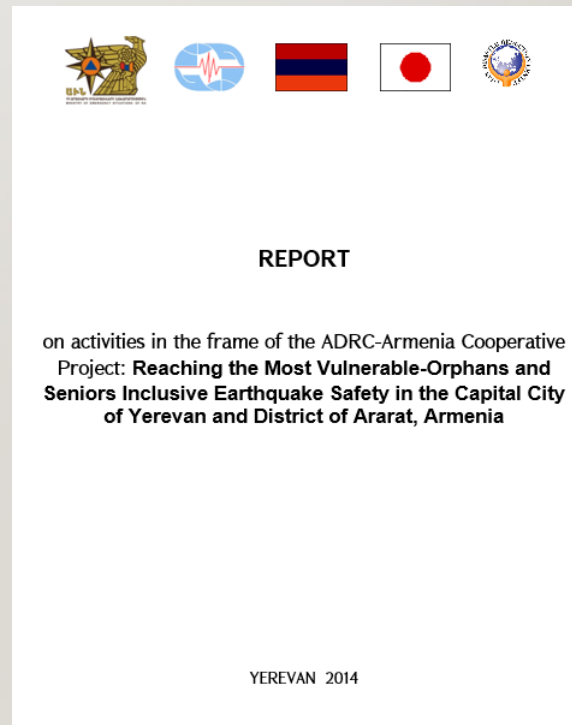
**Preparedness + Resources + Actions = .....not close to 0**

Since 2000 ADRC received 8 visiting researchers, second largest total number of the VR's alumni in the past.

All of them were/are involved in contribution to developing capacity and share of experience in own countries.

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More...



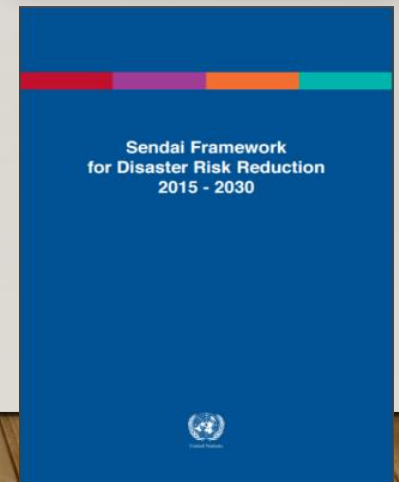
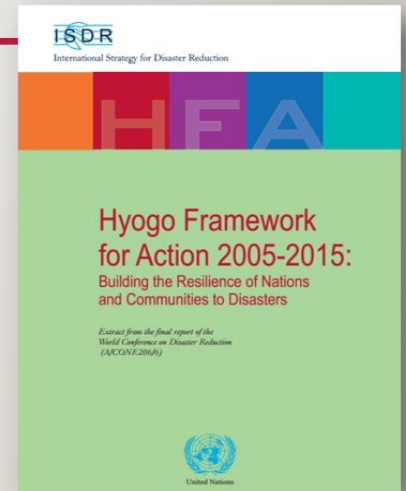




Armenia collaborating with ADRC (since 2000) and JICA (since 1999) in the frame of various projects and programs implements the research, education and training for the DRR specialists who acquired and shared valuable Japanese experience.

Ministry of Science and Education together with the Ministry of Emergency Situations in the frame disaster risk reduction program will submit to National Assembly proposals and additions for the Law “On Public Education” aiming at inclusion disaster risk reduction elements in the school curricula.

In base of this collaboration the Government of RA approved the methodology for assessing the economic development potential in the regions, and the 2015-2030 program of improved seismic safety in the state secondary schools of the RA.



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Thank you!