My Activities in Japan

Visiting Researcher of Asian Disaster Reduction Center, from July - December 2005 Kobe, Japan

Diloro Mirova
Ministry of Emergency Situation and Civil Defense of the Republic of Tajikistan

Overview about Tajikistan

Territory: 143.100 sq. km. 93% mountainous
GDP: US $ 7.95 billion
Border countries: Afghanistan 1,206km, China 414km, Kyrgyzstan 870km, Uzbekistan 1,161km
Major Disasters: Earthquake, Flood/Mudslides, Drought, and winter disaster
Natural Disaster in Tajikistan

**Major Natural Disaster:**
- Earthquakes
- Flood/Mudslides
- Droughts and Winter disasters

Natural Disaster in Japan

*Japan has wide variety of natural disasters*

- Earthquake
- Tsunamis
- Volcano Eruption
- Typhoon (July - October)
- Heavy Monsoon Rains (May - July)
- Floods
- Landslides
- Snow Avalanches
Earthquake Disaster Countermeasures

- Earthquake Disaster Management Information System
- Present State of Earthquake Disaster Countermeasures and Future Development
- Observation System

Shaking Table

Earthquake Experience
**My Activities in Japan**

**Flood Disaster Management**

- Integrate Flood Control Measures
- Flood and Erosion Control
- Strengthening – recovering activities on the dams

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**My Activities in Japan**

**Sabo work**

*Good countermeasures for floods, landslides*
My Activities in Japan

Volcano Disaster

Volcanic activities on Mount Unzen Fugen

The first facility in Japan where we can learn about volcanoes through experience

Disaster Preparedness

Disaster Management Drill

Disaster Management Drills are a perfect opportunity for preparedness citizens about every kind natural disasters
Hazard mapping as a tool for effective Early Warning

**Town Watching Method**

**Step 1**  
Field Survey

**Step 2**  
Develop a Map

**Step 3**  
Discussion and Presentation

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**Total Disaster Risk Management (TDRM)**

**Holistic Approach for Disaster Risk Reduction and Response**

**Crucial Principles**

- Involvement and cooperation of all stakeholders
- Implementation in all the phases of the Disaster Risk Management cycle
Disaster Management Information Communication System and Network

Disaster Management System in Japan

Organizational Systems of Disaster Management

National Government → 47 Prefectural Governments → 3,018 Municipalities → 12 Major Cities
Disaster Budget

The budgetary appropriation for disaster management is classified into four categories:

- Disaster Management Research and Development
- Disaster Preparedness
- National Land Conservation, and
- Disaster Recovery and Reconstruction

<table>
<thead>
<tr>
<th>Fiscal Year (FY)</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
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</thead>
<tbody>
<tr>
<td>Research and development (Disaster Risk and Coping Strategies)</td>
<td>424</td>
<td>327</td>
<td>303</td>
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<tr>
<td>Disaster Preparedness</td>
<td>7,909</td>
<td>9,336</td>
<td>7,527</td>
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<td>National Land Conservation</td>
<td>15,867</td>
<td>15,241</td>
<td>14,967</td>
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<tr>
<td>Disaster Recovery and Reconstruction</td>
<td>2,517</td>
<td>2,416</td>
<td>2,455</td>
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<tr>
<td><strong>Total</strong></td>
<td>26,717</td>
<td>27,320</td>
<td>25,252</td>
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</table>

Note: FY 2005: 3.07% of Total National Budget (821,629)

The exact verticality of the structure and system of emergency management, beginning from the office of the Ministers Cabinet of Japan, corresponding Ministries, meteorological agencies, National Police, mass media and ending with local authorities (prefectures, municipals) as well as the private companies.

- Monitoring system (general) on cities, road, landslide, earthquake, typhoons, volcano eruption, floods, tsunamis using GIS and DIS systems.
- Methods and means for provision of preventive measures on loss mitigation of possible disaster including the following: strengthening-recovering activities, landslides fortification, coast strengthening activities and so on.
In case of Earthquake

- Strengthening of the weak and unresisting buildings and constructions
- Public education of earthquake behavior rules before, during and after the earthquake,
- Teaching the stuff of the local authorities the things they should know in case of earthquake,
- Trainings and education of the finding – rescuing teams, training and reservation of the special medical crews and emergency centers

In case of Flood

- Promote the disaster risk reduction (the monitoring of the event on increase of the river’s level) and
- Early warning, preparedness of the special repairing-recovering and rescuers brigades
- The system of public preparedness to the measures like forced evacuation
- Sabo Works in Tajikistan
In case Landslide

Complex measures related to the landslide control

Landslide tracing, monitoring, measures against the landslides and the education of adjoining population

Not typical for my country
ありがとうございます

2006

Спасибо за внимание