



The Roles of Universities for Natural Disasters

Preparedness, Response, and Resilience through
Academic Leadership

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Universities as Hubs of Disaster Preparedness

- **Education and Training**
 - Incorporate disaster medicine and public health emergency courses into the curriculum
 - Train future healthcare professionals and first responders
- **Interdisciplinary Research**
 - Risk assessment, climate change, epidemiology, infrastructure resilience
- **Community Awareness**
 - Outreach programs to educate the public on disaster risk reduction



Immediate Response and Emergency Medical Services



- **Medical Mobilization**

- Deploy hospital and university-affiliated medical teams
- Example: KMU Hospital's missions in Turkey...

- **Campus as Shelter or Triage Center**

- Utilize university infrastructure for emergency shelter and care

- **Collaboration with Government & NGOs**

- Rapid coordination during crises through MOUs and task forces



Long-Term Recovery and Mental Health Support

- **Post-Disaster Rehabilitation**
 - Offer medical and psychological care for survivors
- **Research on Recovery Models**
 - Study long-term health outcomes and propose policy
- **Support for Affected Students & Staff**
 - Scholarships, counseling, academic accommodations



Joint exercise with Japan DMAT



WHO EMT training in ICRC

Joint exercise with Japanese NGO 2022 & 2023 Peace Winds Japan



USA exercise & FEMA medical specialist training



International Cooperation and Future Directions



- **Global Academic Partnerships**

- Collaborate on disaster science, joint training, and response strategies

- **Technology and Innovation**

- AI in early warning systems, telemedicine, mobile diagnostics

- **A Call to Action**

- Universities must lead in building resilient societies, especially in disaster-prone regions



“Universities are not just places of knowledge — but pillars of resilience.”