





The Roles of Universities for

Natural Disasters

Preparedness, Response, and Resilience through Academic Leadership

Yeou-Lih Huang, Ph.D.

Senior Vice President, KMU

July 16, 2025



未來高醫 引領未來

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





未來高醫 引領未來

Taiwan

Immediate Response and Emergency Medical Services



Deploy hospital and university-affiliated medical teams

• Example: KMU Hospital's missions in Turkey...

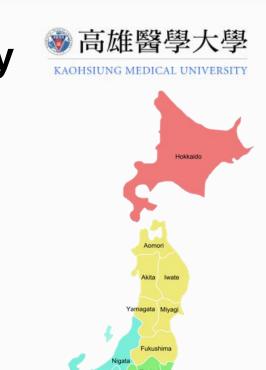
Campus as Shelter or Triage Center

 Utilize university infrastructure for emergency shelter and care

Collaboration with Government & NGOs

 Rapid coordination during crises through MOUs and task forces









未來高醫 引領未來





- 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 Japanese NGO 2022 & 2023 Peace Winds Japan







USA exercise & FEMA medical specialist training





International Cooperation and Future





Collaborate on disaster science, joint training, and response strategies

Technology and Innovation

Al in early warning systems, telemedicine, mobile diagnostics

A Call to Action

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







♥Taiwan