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# HAZARDOUS SEAS A Sociotechnical Framework for Early Tsunami Detection and Warning Edited by LOUISE K. COMFORT and HARKUNTI P. RAHAYU

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# EXPLAINS THE NEW TSUNAMI WARNING TECHNOLOGIES THAT HAVE BEEN DEVELOPED TO SAVE LIVES

# **Hazardous Seas**

A Sociotechnical Framework for Early Tsunami Detection and Warning

Edited by Louise K. Comfort and Harkunti P. Rahayu

sunamis are infrequent but terrifying hazards for coastal communities. Difficult to predict, they materialize with little warning, claiming thousands of lives and causing billions of dollars in damage. Now a groundbreaking new approach to tsunami detection and warning developed by an international team of researchers that relies on low-cost underwater sensors and networks of smartphone communication gives at-risk coastal communities an economically viable, scientifically sound means to protect themselves.

Hazardous Seas, edited by disaster preparedness experts Louise K. Comfort and Harkunti P. Rahayu, is an invaluable guide for policy makers and international NGOs looking to save lives from tsunamis and mitigate crippling damage to communities. It also provides a comprehensive overview of tsunami detection and warning for students of engineering, computer science, planning, policy, and economic and environmental analysis.



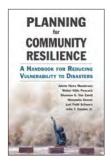


## Edited by Louise K. Comfort and Harkunti P. Rahayu

ouise K. Comfort is professor and former director of the Center for Disaster Management, Graduate School of Public and International Affairs, University of Pittsburgh. She is principal investigator of a National Science Foundation project to deploy and test an early tsunami detection and warning system. She is a Fellow of the National Academy of Public Administration.

arkunti P. Rahayu is a professor in the Urban and Regional Planning Department, School of Architecture, Planning, and Policy and Development at the Institute of Technology of Bandung. She serves as chair of the UNESCO Indian Ocean Tsunami Warning and Mitigation System Working Group on Tsunami Risk, Community Awareness and Preparedness.

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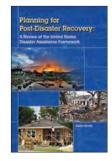
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