

Research Activities of Earthquake Disaster Mitigation Research Center, RIKEN

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The Earthquake Disaster Mitigation Research Center (EDM) was established in January 1998 in Miki City, Hyogo, under the framework of the RIKEN. The main purpose of the EDM is to conduct "Frontier Research on Earthquake Disaster Mitigation for Urban Regions." The major research activities are being performed by three research teams; i.e., Disaster Process Simulation Team, Disaster Information System Team, and Structural Performance Team. With the purpose of taking a major role in international contributions, EDM is serving as the institution-in-charge for a multi-lateral project entitled "Development of Earthquake and Tsunami Disaster Mitigation Technologies and Their Integration for the Asia-Pacific Region", which is sponsored by STA and began its full-budget phase in fiscal year 1999.

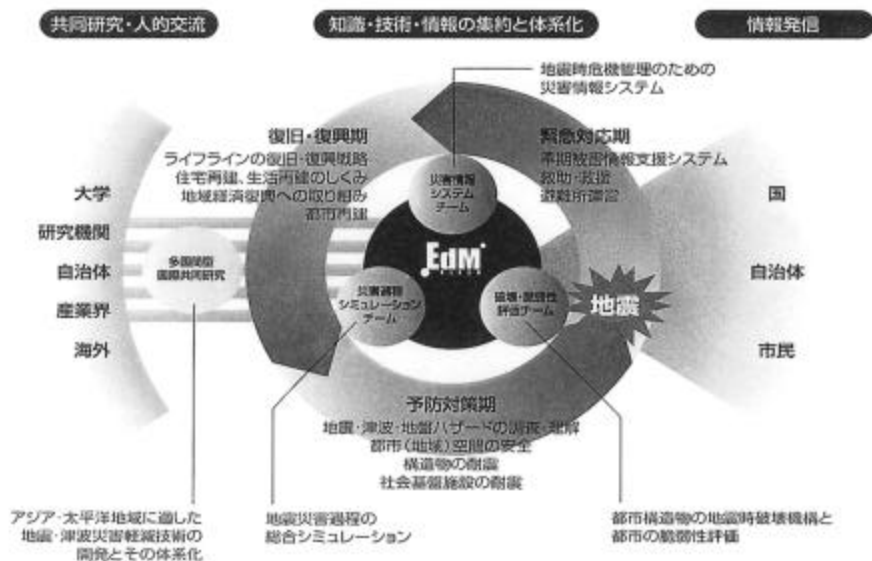
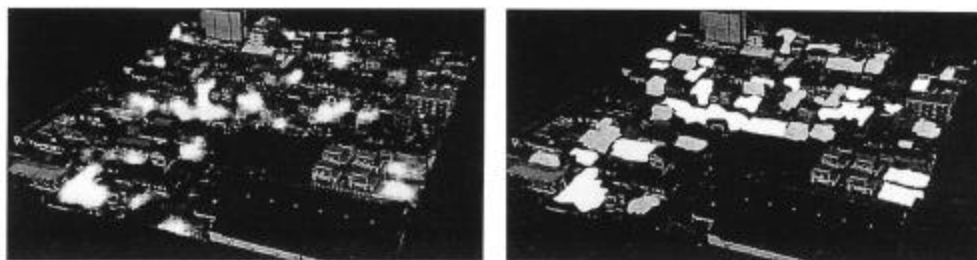


図 1 研究内容と社会との連携



図 2-1 西宮市 Built Environment データベース



自動被害抽出結果 (白：被害地域)

実被害分布 (白：倒壊, 灰：全壊)

図 2-2 空撮画像処理による被害建物の検出