

Statement on the Earthquake Disaster in Southeastern Turkey from Japan Hub of Disaster Resilience Partners (JHoP)

The devastating earthquakes have caused enormous damage in Turkey and Syria, and scientific and technological issues have been identified. In light of this situation and in support of the affected areas, JHoP, in cooperation with relevant domestic and international organizations, recommends that Japan share its experiences and lessons learned, and take the following actions to resolve issues and provide support.

1) Understanding earthquake mechanisms

- Assessment of aftershocks and future seismic risks to be appropriately disseminated among citizens

2) Assessing the damage and clarifying earthquake mechanisms

- Support and cooperation in collecting, sharing and archiving data
- Assessment of the damage caused by the earthquakes and identifying issues
- Investigation of the implementation status of building codes
- Training and capacity development of earthquake engineers

3) Supporting recovery for disaster-affected areas (short term)

- Assistance in organizing and communicating precautions for lifesaving and emergency response
- Risk assessment, seismic diagnosis, and proposals for reinforcement of existing buildings
- Proposals for debris disposal and reuse
- Cooperation in deterring false and harmful rumors
- Designation and maintenance of shelters and emergency houses

4) Supporting recovery/ reconstruction (medium-term/long-term strategy)

- Proposal for the principle of Build Back Better (BBB) in recovery
- Support for the formulation of recovery and reconstruction plans for disaster-affected municipalities
- Sharing past recovery lessons and reflecting scientific knowledge in planning
- Support for the implementation of seismic resistant infrastructure

5) Strengthening disaster risk governance

- Proposal to establish a platform for interdisciplinary disaster science in Turkey

February 16, 2023

Japan Hub of Disaster Resilience Partners (JHoP)

<https://www.bosai.go.jp/jhop/en/>

JHoP is a unique network-based research body on disaster risk reduction (DRR) composed of national universities, research institutions and general associations in Japan. JHoP has promoted interdisciplinary and transdisciplinary research, taking advantage of member's research, education and social implementation, and contributed to more science-knowledge-based and disaster resilient societies in Japan and overseas since 2019.

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防災減災連携研究ハブ（JHoP）からのトルコ南東部地震についての緊急提言

この度の大地震によりトルコ・シリアにおいて甚大な被害が生じており、科学・技術的な課題も指摘されている。この状況を踏まえ、JHoPは国内外の関係機関と連携して、日本の経験や教訓などを共有しながら、以下のように課題解決や支援の取組を行う事を提言するものである。

1) 地震メカニズムの理解

- 余震および今後の地震リスクに対する評価と市民への適切な周知

2) 被害の実態把握と拡大メカニズムの解明

- 基本データの収集・共有とアーカイブ化の支援協力
- 本地震被害の実態把握と課題の抽出
- 建築基準の実施状況の把握
- 地震工学技術者の養成

3) 被災地の復旧支援（短期）

- 救命・緊急対応についての注意事項の整理と伝達の支援
- 既存建物の危険度判定・耐震診断・補強の提案
- がれき処理・再利用の提案
- デマ・風評被害の抑止への協力
- 避難所の指定と整備

4) 復旧・復興支援（中期・長期戦略）

- 復旧ではなくより良い復興（BBB）の提案
- 被災市町村の復旧・復興計画の策定支援
- 過去の復興教訓を共有し、科学的知見を計画に反映
- 耐震性の高いインフラづくりの支援

5) 防災支援

- トルコでの分野横断的な防災科学のためのプラットフォーム組織化の提案

2023年2月16日

防災減災連携研究ハブ（JHoP）

<https://www.bosai.go.jp/jhop/>

国内外の災害を巡る諸課題 に対して、理学・工学・農学、社会科学・心理学、健康科学・医学に亘る各分野の防災、減災に関わる我が国の大学・研究拠点及び実務機関が、それぞれの研究、教育、実践活動の特徴を活かして、分野間連携(interdisciplinary)と科学-社会連携(trans-disciplinary)を進め、科学知に基づく災害に強い社会の構築を国内外で目指すためのネットワークを形成することを目的とした組織です。

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