

2024年度活動報告および2025年度活動計画

国際化対応小委員会

吉見雅行

組織体制

- ◆ 委員長：吉見雅行
- ◆ 副委員長：丸山喜久
- ◆ 幹事長：未定
- ◆ 委員数：8名（2025年4月現在）

清野純史

庄司 学

高橋良和

能島暢呂

小池 武（顧問）

小長井一男（顧問）

活動概要

- 学術的な地震被害調査報告の英文版を適時情報発信する「随時受付可能な(査読付き)英文電子ジャーナル(JSCE Disaster Fact Sheets)の発行」を目的として、そのWeb siteの維持管理・広報周知活動・JSCE Disaster Fact Sheets編集運営活動を行う。
- JSCE Disaster Fact Sheetsとして、これまでに31編をWeb siteに公開している(2025年4月現在)。最終的には地震災害を含む災害一般に対する被害調査報告英文電子ジャーナルの発行を目指すものとする。

2024年度の活動報告

1) 委員会・WG活動等

投稿されたFactSheetに関するメール審議を行った。

2) 行事等

なし

3) 出版物等

2024年度は下記の4件のFactSheetを発刊した。

Reconnaissance Report on Bridge Damage caused by the January 1st, 2024, Noto Peninsula Earthquake, Japan(FS2024-E-0004) (2024-12-19)

Preliminary Report of the Damage by the 2022 Off Fukushima Prefecture Earthquake Mj7.4, Japan(FS2024-E-0003) (2024-5-27)

Reconnaissance survey on geotechnical damage caused by February 6, 2023, Kahramanmaraş Earthquake, Türkiye(FS2024-E-0002) (2024-5-21)

Road pavement cracks in Toge District, Monzen Town, Wajima City, in the January 1st, 2024, Noto Peninsula Earthquake, Japan(FS2024-E-0001) (2024-4-09)

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Recent Disasters

- 2012 Northern Italy Earthquake, Italy
- 2011 Eastern Turkey Earthquake, Turkey
- 2011 Great East Japan Earthquake, Japan

Disasters

- Earthquakes
- Tsunami
- Flood

委員専用メニュー

- サイト登録ユーザー一覧
- フォーラム
- ウェブファイルマネージャー

ナビゲーション

- コンテンツの追加

システム管理

- 管理

丸山 昇久 (2474maruyama)

- アカウント情報
- ログアウト

JSCE Journal of Disaster FactSheets



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- Reconnaissance survey on geotechnical damage caused by February 6, 2023, Kahramanmaraş Earthquake, Türkiye(FS2024-E-0002) (2024-5-21)
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- Geotechnical Preliminary Report of The Mj 7.3 Fukushima Earthquake on March 16, 2022(FS2022-E-0002) (2022-7-27)
- Widespread ground deformation over the Palu Basin caused by the 2018 Sulawesi, Indonesia Earthquake(FS2022-E-0001) (2022-3-10)
- RECONNAISSANCE REPORT ON THE EARTHQUAKE IN OSAKA-FU HOKUBU ON JUNE 18, 2018(FS2021-E-0002) (2021-5-25)
- Preliminary Report of the Damage by the 2021 Off Fukushima Prefecture Earthquake Mj7.3, Japan(FS2021-E-0001) (2021-5-25)
- Infrastructure damage analysis of the April 22, 2019 Pampanga, Philippines earthquake(FS2020-E-0002) (2020-3-19)
- Damage investigation of 2019 the Off the Yamagata Prefecture earthquake, M_{6.7}(FS2020-E-0001) (2020-1-16)
- Runouts of landslide masses detached in the 2018 Hokkaido Eastern Iburu Earthquake(FS2019-E-0001) (2019-1-10)
- Large ground deformations caused by the 2018 Hokkaido Eastern Iburu Earthquake(FS2018-E-0003) (2018-11-1)
- Site Investigation of the Sarpole-Zahab Earthquake, Mw 7.3 in SW Iran of November 12, 2017(FS2018-E-0002) (2018-6-6)
- Reconnaissance of the 2017 Central Mexico Earthquake(FS2018-E-0001) (2018-3-26)
- Infrastructure damage during the Feb. 10, 2017 Surigao, Philippines earthquake(FS2017-E-0001) (2017-12-18)
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- Geotechnical aspect of the damage caused by the April 25th, 2015 Gorkha earthquake of Nepal(FS2015-E-0002) (2015-7-3)
- FactSheet uploaded:Preliminary report on strong motion estimation at damaged and non-damaged clusters in Kamishiro District, Hakuba Village during a large earthquake (MJMA=6.7) in northern Nagano Prefecture, central Japan(FS2015-E-0001)
- FactSheet uploaded: The October 15, 2013 Bohol Island, Philippines earth-quake and its damaging effects: An investigative report(FS2013-D-0004) (2013-12-13)
- FactSheet uploaded: Tsunami-induced Debris of Freight Containers due to the 2011 off the Pacific Coast of Tohoku Earthquake(FS2013-T-0003) (2013-9-17)
- FactSheet uploaded: Investigation Report on Earthquake near Awajishima on April 13, 2013(FS2013-E-0002) (2013-7-17)
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- FactSheet upload: Piles for RC/Steel-frame buildings pulled up by tsu-nami at Onagawa Town, in the March 11th 2011 East Japan Earthquake(FS2012-E-0002) (2012-12-28)
- FactSheet upload:Sinkholes above Abandoned Coal Field in Iwaki City Hit by the April 11th, 2011 Hamadori Earthquake(FS2012-E-0001) (2012-11-7)
- 2012 Northern Italy Earthquake, Italy (May 20, 2012) (updated: 2012/5/30)
- Update Report of 2011 Eastern Turkey Earthquake (2012-4-20)
- Eastern Turkey Earthquake (2011-10-25)
- This site "JSCE Disaster Report" is set up on trial. (2011-10-12)

->more

Disaster Responses

積極的な情報発信と 論文編集に関するご協力お願い

➤ 積極的な投稿を！

- | | |
|-----------------|-------------|
| ✓ JSCE会員→国内災害調査 | 国内災害の海外への速報 |
| ✓ JSCE会員→海外災害調査 | 海外災害の国内への速報 |
| ✓ 海外調査団等→国内災害調査 | 調査への国際協力 |
| ✓ 海外調査団等→海外災害調査 | 海外災害の国内への速報 |

➤ 査読・編集体制へのご協力

- ✓ 災害発生に伴って投稿数が、かなり増加した場合
- ✓ 委員の専門分野と投稿内容が、かなり異なる場合

	JSCE会員：国内災害の海外への速報	JSCE会員：海外災害の国内への速報	海外調査団：調査への国際協力	海外調査団：海外災害の国内への速報
2012 2編	2 (2011.3.11東北地方太平洋沖, 2011.4.11浜通り)			
2013 4編	2 (2011.3.11東北地方太平洋沖, 2013.4.13淡路島)	1 (2012.8.11イラン)		1 (2013.10.15 フィリピン)
2014 0編				
2015 2編	1 (2015.11.12長野県神城)	1 (2015.4.25ネパール)		
2016 7編	4 (2016熊本×4)	2 (2015.4.25ネパール×2)	1 (2016熊本)	
2017 1編				1 (2017.2.10 フィリピン)
2018 3編	1 (2018.9.6北海道胆振東部)	2 (2017.9.19メキシコ, 2017.11.12イラン)		
2019 1編	1 (2018.9.6北海道胆振東部)			
2020 2編	1 (2019.6.20山形県沖)			1 (2019.4.22 フィリピン)
2021 3編	1 (2021.2.13福島県沖) 1 (2018.6.18大阪府北部)			
2022 2編	1 (2022.3.16福島県沖)	1 (2018.9.28 インドネシア)		
2023 1編	1 (2024.1.1能登半島地震)			
2024 4編	2 (2024.1.1能登半島地震) 1 (2022.3.16福島県沖)	1 (2023.2.6 トルコ)		
計26編	19編	8編	1編	3編

2024年度

• [FS2024-E-0001]

Road pavement cracks in Toge District, Monzen Town, Wajima City, in the January 1st, 2024, Noto Peninsula Earthquake, Japan

Kazuo KONAGAI, Atsutoshi ONO, Takashi TAKANAKA, Tomonori OKI, and Kiyoharu HIROTA

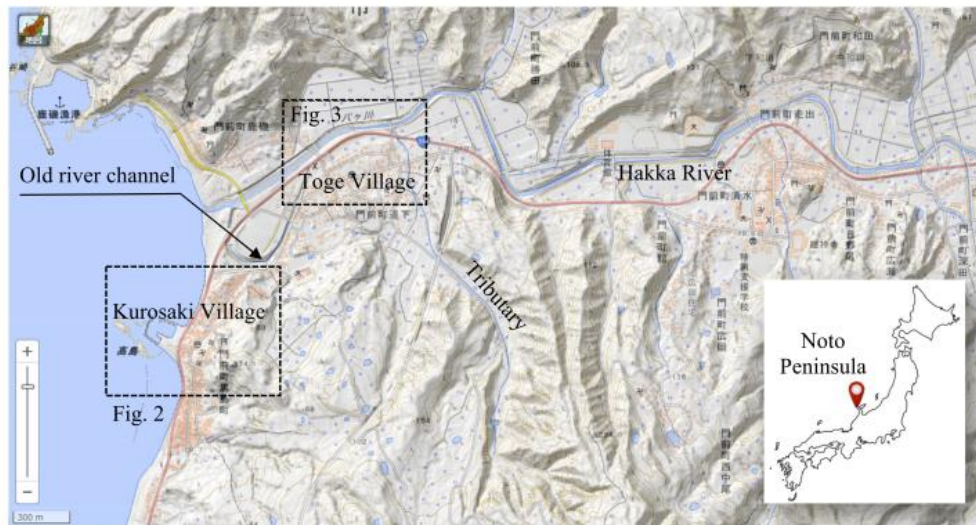


Fig. 1 Terrain of Toge Village and its vicinity (Geospatial Information Authority of Japan)



Fig. 3 Pavement fractures observed in Toge Villag in: (1) 2024, and (2) 2007: Open circles and solid circles with numbers in mm show tensile and compressional failure widths.

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- [FS2024-E-0002]

Reconnaissance survey on geotechnical damage caused by February 6, 2023, Kahramanmaraş Earthquake, Türkiye

Seda SENDIR TORISU, Tetsuo TOBITA, Takashi KIYOTA, Ozer CINICIOGLU, Gokce TONUUK, Nikolay MILEV, Juan BRIONES, and Othron BRIONES

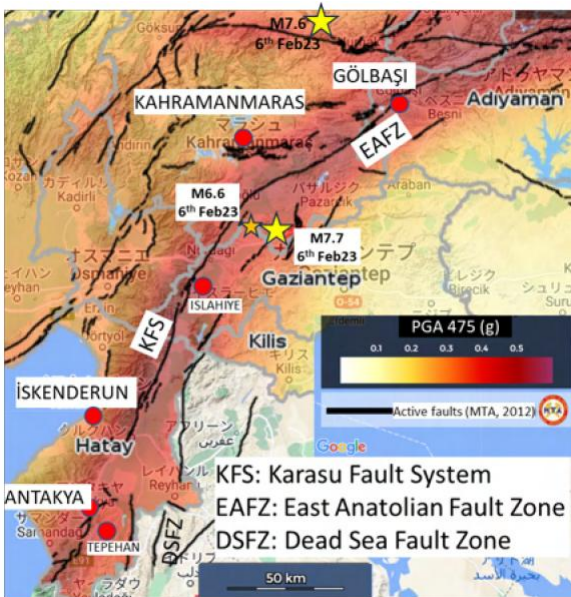


Fig. 1 Türkiye Earthquake Hazard Map of the region covered in this study with epicenters of the 6th February earthquakes (after AFAD⁴, Active faults by MTA (2012)⁵).



(a)



(b)

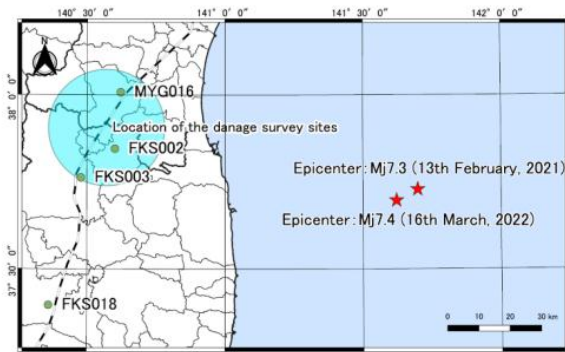
Fig. 17 Heavily damaged buildings in Antakya; (a) 36.19846N, 36.15393E (b) 36.20186N, 36.16133E.

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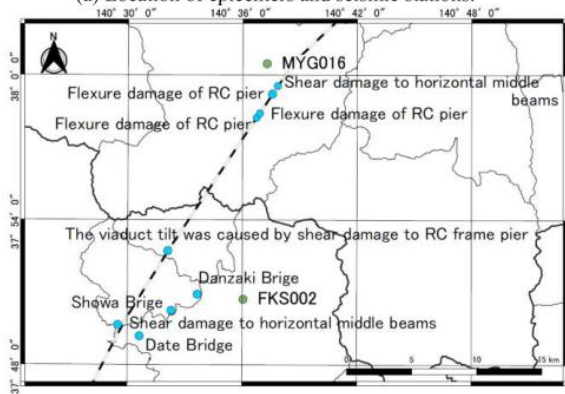
• [FS2024-E-0003]

Preliminary Report of the Damage by the 2022 Off Fukushima Prefecture Earthquake Mj7.4, Japan

Kazuma INOUE, Keita UEMURA, Keita SAITOH, Kento ASAMI, and Kotaro UCHIYAMA



(a) Location of epicenters and seismic stations.



(b) Location of damaged structures surveyed.

Fig.1 Location of the damage survey sites and seismic stations with the focal mechanism of the 2021 and the 2022 earthquake^{2), 3)}.



(a) The pavement cracked.



(b) North Side.

(c) South side.

(d) The bearing pin unfastened.

Photo.2 Damage of Showa Bridge.

(37°50'14.7"N, 140°32'17.0"E)

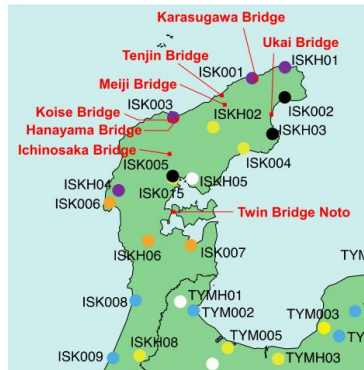
2024年度

• [FS2024-E-0004]

Reconnaissance Report on Bridge Damage caused by the January 1st, 2024, Noto Peninsula Earthquake, Japan

Keita UEMURA, Kazuma INOUE, and Yoshikazu TAKAHASHI

μ_u = Response displ./Ultimate displ.
 μ_y = Response displ./Yield displ. (Ductility ratio)
 ● $2.0 < \mu_u$ (Failure)
 ● $1.0 < \mu_u \leq 2.0$ (Beyond Design Basis)
 ● $1.2 < \mu_y \leq 3.0$ ● $3.0 < \mu_y \leq \text{Ultimate state}$
 ● $0.8 < \mu_y \leq 1.2$ (Within Design Basis)
 ● $0 < \mu_y \leq 0.8$



(a) Estimation of seismic response of RC road bridge piers in the 1970s.



(b) Estimation of seismic response of RC road bridge piers in the 2000s.

Fig.1 Geographic location of target bridges and preliminary results of the numerical analysis by Takahashi²⁾



(a) Overall view



(b) Damage with spalling of concrete and exposure of rebar at the base of pier



(c) Ground failure behind abutment



(d) Failure of attachments of rubber bearings

Photo. 3 Damage to Karasugawa Bridge (37°29'55.7"N, 137°11'00.3"E)

2025年度の活動計画

1) 委員会・WG活動等の予定

JSCE Disaster Fact Sheetsの募集，審査，掲載の一連の活動を継続する。

Fact Sheet発行に関する課題の整理。

2) 行事等の予定

なし

3) 出版物等の予定

Fact Sheetの発刊