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into positive legacies

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Alexei Murashev¹, Andy Tai²
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Geoff Thomas¹, Roger Shelton²
¹ Thomas Fire Engineering Ltd, Wellington, New Zealand ²BRANZ, Porirua, New Zealand

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Zhenduo Yan¹, Hamed Bagheri¹, Shahab Ramhormozian², Charles Clifton¹, Kiran Rangwani³, Gregory MacRae⁴, Pierre Quenneville¹, Geoffrey Rodgers⁴, Ping Xiang⁵, Liang-Jiu Jia⁵, Xianzhong Zhao⁵
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Nikoo Hazaveh¹, Ali Rad², Geoff Chase³, Stefano Pampanin⁴
¹Beca, Wellington, New Zealand ²Aurecon, Wellington, New Zealand ³University of Canterbury, Canterbury, New Zealand ⁴University of Rome "La Sapienza", Rome, Italy

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Mayank Tripathi¹, Rajesh Dhakal¹
¹University of Canterbury, Canterbury, New Zealand

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Matt Peat¹, Sam Evans¹, Mayank Tripathi¹, Rajesh Dhakal¹
¹University of Canterbury, Canterbury, New Zealand

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Gabriele Chiaro¹, Abilash Pokhrel¹
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Riwaj Dhakal¹, Misko Cubrinovski², Jonathan D. Bray³
¹PhD Candidate, University of Canterbury, Christchurch, New Zealand ²Professor, Department of Civil and Natural Resources Engineering, University of Canterbury, Christchurch, New Zealand ³Professor, University of California, Berkeley, California, The United States of America
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Claudio Cappellaro¹, Misko Cubrinovski¹, Riwaj Dhakal¹
¹ University of Canterbury, Christchurch, New Zealand
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Kiyvan van Rensburg¹, Shahab Ramhormozian¹
¹Auckland University of Technology, Auckland, New Zealand
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Mahdi A.Rad¹, Stefano Pampanin^{2,3}, Geoffrey Rodgers⁴
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¹The University of Auckland, Auckland, New Zealand ²Massey University, Wellington, New Zealand
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¹The University of Auckland, Auckland, New Zealand
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¹University of Waikato, Hamilton, New Zealand ²The University of Auckland, Auckland, New Zealand

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¹Professor, Department of Civil and Natural Resources Engineering, University of Canterbury, Christchurch, New Zealand ²ENGCO Limited, Auckland, New Zealand
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¹Amirkabir University of Technology, Tehran, Islamic Republic Of Iran ²Canterbury University, Christchurch, New Zealand ³International Institute of Earthquake Engineering and Seismology, Tehran, Islamic Republic Of Iran
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¹University of Canterbury, Canterbury, New Zealand ²Associate Professor, Department of Civil and Natural Resources Engineering, University of Canterbury, Christchurch, New Zealand ³Professor, Department of Mechanical Engineering, University of Canterbury, Christchurch, New Zealand

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