## Contents

Mountjoy, J. J., Georgiopoulou, A., Chaytor, J., Clare, M. A., Gamboa, D. and Moernaut, J.
Subaqueous mass movements in the context of observations of contemporary slope failure

### Section A: consequences and implications

Barrett, R., Lebas, E., Ramalho, R., Klaucke, I., Kutterolf, S., Klügel, A., Lindhorst, K., Gross, F. and Krastel, S.
Revisiting the tsunamigenic volcanic flank collapse of Fogo Island in the Cape Verdes, offshore West Africa

The sedimentology and tsunamigenic potential of the Byron submarine landslide off New South Wales, Australia

Zengaffinen, T., Løvholt, F., Pedersen, G. K. and Harbitz, C. B.
Effects of rotational submarine slump dynamics on tsunami genesis: new insight from idealized models and the 1929 Grand Banks event

Dignan, J., Micallef, A., Mueller, C., Sulli, A., Zizzo, E. and Spatola, D.
A scenario-based assessment of the landslide tsunami hazard in Palermo, northern Sicily, and the southern Tyrrhenian Sea

Strupler, M., Anselmetti, F. S., Hilbe, M., Kremer, K. and Wiemer, S.
A workflow for the rapid assessment of the landslide-tsunami hazard in peri-alpine lakes

Lintern, D. G., Rutherford, J., Hill, P. R., Campbell, C. and Normandeau, A.
Towards a national-scale assessment of the subaqueous mass movement hazard in Canada

Geersen, J., Festa, A. and Remitti, F.
Structural constraints on the subduction of mass-transport deposits in convergent margins

Moernaut, J., Wiemer, G., Kopf, A. and Strasser, M.
Evaluating the sealing potential of young and thin mass-transport deposits: Lake Villarrica, Chile

Bull, S., Browne, G. H., Arnot, M. J. and Strachan, L. J.
Influence of mass transport deposit (MTD) surface topography on deep-water deposition: an example from a predominantly fine-grained continental margin, New Zealand

### Section B: initiation, triggers and preconditioning

Gatter, R., Clare, M. A., Hunt, J. E., Watts, M., Madhusudhan, B. N., Talling, P. J. and Huhn, K.
A multi-disciplinary investigation of the AFEN Slide: the relationship between contourites and submarine landslides

Indonesian Throughflow as a preconditioning mechanism for submarine landslides in the Makassar Strait

Locat, J., Azizian, A., Stronach, J., Hospital, A., Young, C., Turmel, D. and Bevan, A.
Morphological signature of gully development by rapid slide retrogression in a layered coarse-grained delta foreslope

Daxer, C., Sammartini, M., Molenaar, A., Piechl, T., Strasser, M. and Moernaut, J.
Morphology and spatio-temporal distribution of lacustrine mass-transport deposits in Wörthersee, Eastern Alps, Austria
Urlaub, M., Kratzke, I. and Hjelstuen, B. O. A numerical investigation of excess pore pressures and continental slope stability in response to ice-sheet dynamics 255


Kaminski, P., Urlaub, M., Grabe, J. and Berndt, C. Geomechanical behaviour of gasy soils and implications for submarine slope stability: a literature analysis 277

Mencaroni, D., Llopard, J., Urgeles, R., Lafuerza, S., Gràcia, E., Le Friant, A. and Urlaub, M. From gravity cores to overpressure history: the importance of measured sediment physical properties in hydrogeological models 289

Silver, M. M. W. and Dugan, B. The influence of clay content on submarine slope failure: insights from laboratory experiments and numerical models 301

Vargas, C. A., Gutiérrez, G. A. and Sarmiento, G. A. Subduction of an extinct rift and its role in the formation of submarine landslides in NW South America 311

Section C: characterization and regional controls

Boggild, K., Mosher, D. C., Travaglini, P., Gebhardt, C. and Mayer, L. Mass wasting on Alpha Ridge in the Arctic Ocean: new insights from multibeam bathymetry and sub-bottom profiler data 323


Casalbore, D., Clementucci, R., Bosman, A., Chiocci, F. L., Martorelli, E. and Ridente, D. Widespread mass-wasting processes off NE Sicily (Italy): insights from morpho-bathymetric analysis 393


Hill, J. C., Watt, J. T., Brothers, D. S. and Kluesner, J. W. Submarine canyons, slope failures and mass transport processes in southern Cascadia 453

Watson, S. J., Mountjoy, J. J. and Crutchley, G. J. Tectonic and geomorphic controls on the distribution of submarine landslides across active and passive margins, eastern New Zealand 477
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>León, R., Urgeles, R., Pérez-López, R., Payo, E., Vázquez-Izquierdo, A., Giménez-Moreno, C. J. and Casas, D.</td>
<td>495</td>
</tr>
<tr>
<td>Geological and tectonic controls on morphometrics of submarine landslides of the Spanish margins</td>
<td></td>
</tr>
<tr>
<td>Nwoko, J., Kane, I. and Huuse, M.</td>
<td>515</td>
</tr>
<tr>
<td>Megaclasts within mass-transport deposits: their origin, characteristics and effect on substrates and succeeding flows</td>
<td></td>
</tr>
<tr>
<td>Bull, S. and Cartwright, J. A.</td>
<td>531</td>
</tr>
<tr>
<td>Line length balancing to evaluate multi-phase submarine landslide development: an example from the Storegga Slide, Norway</td>
<td></td>
</tr>
<tr>
<td>A new depositional model for the Tuaheni Landslide Complex, Hikurangi Margin, New Zealand</td>
<td></td>
</tr>
<tr>
<td>Roy, S., Georgiopoulou, A., Benetti, S. and Sacchetti, F.</td>
<td>567</td>
</tr>
<tr>
<td>Mass transport deposits in the Donegal Barra Fan and their association with British–Irish Ice Sheet dynamics</td>
<td></td>
</tr>
<tr>
<td>Chaytor, J. D., Baldwin, W. E., Bentley, S. J., Damour, M., Jones, D., Maloney, J., Miner, M. D., Obelcz, J. and Xu, K.</td>
<td>587</td>
</tr>
<tr>
<td>Short- and long-term movement of mudflows of the Mississippi River Delta Front and their known and potential impacts on oil and gas infrastructure</td>
<td></td>
</tr>
<tr>
<td>Clare, M., Lintern, D. G., Rosenberger, K., Hughes Clarke, J. E., Paull, C., Gwiazda, R., Cartigny, M. J. B., Talling, P. J., Perara, D., Xu, J., Parsons, D., Jacinto, R. S. and Apprioual, R.</td>
<td>605</td>
</tr>
<tr>
<td>Lessons learned from the monitoring of turbidity currents and guidance for future platform designs</td>
<td></td>
</tr>
<tr>
<td>Index</td>
<td>635</td>
</tr>
</tbody>
</table>