

## Publication list

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- ARNAUD, F., LIGNIER, V., REVEL, M., DESMET, M., BECK, C., POURCHET, M., CHARLET, F., TRENTESAUX, A. & TRIBOVILLARD, N., 2002. Influence of flood-events and earthquake-induced reworking on  $^{210}\text{Pb}$  dating of a recent lake sediment record (Lake Anterne, North French Alps). *Terra Nova*, 14(4), 225-232.
- ARNAUD, F., MAGAND, O., CHAPRON, E., BERTRAND, S., BOËS, X., CHARLET, F. & MÉLIÈRES, M.-A., 2006. Radionuclide dating ( $^{210}\text{Pb}$ ,  $^{137}\text{Cs}$ ,  $^{241}\text{Am}$ ) of recent lake sediments in a highly active geodynamic setting (Lakes Puyehue and Icalma—Chilean Lake District). *Science of the Total Environment*, 366(2-3), 837-850.
- AUDEMARD, F.A., BECK, C., MOERNAUT, J., DE RYCKER, K., DE BATIST, M., SÁNCHEZ, J., GONZÁLEZ, M., SÁNCHEZ, C., VERSTEEG, W., MALAVÉ, G., SCHMITZ, M., VAN WELDEN, A., CARRILLO, E. & LEMUS, A., 2007. La depresión de Guaracayal, estado Sucre, Venezuela: Una cuenca en tracción que funciona como barrera para la propagación de la ruptura cosísmica. *Interciencia*, 32(11), 735-741.
- AVSAR, U., HUBERT-FERRARI, A., DE BATIST, M. & FAGEL, N., 2014. A 3400-year lacustrine paleoseismic record from the North Anatolian Fault, Turkey: Implications for bimodal recurrence behavior. *Geophysical Research Letters*, 41(2), 377-384.
- AVSAR, U., HUBERT-FERRARI, A., DE BATIST, M., FAGEL, N. & SCHMIDT, S., 2014. Seismically triggered organic-rich layers in recent sediments from Göllüköy Lake (North Anatolian Fault, Turkey). *Quaternary Science Reviews*, 103, 67-80.
- AVSAR, U., HUBERT-FERRARI, A., DE BATIST, M., SCHMIDT, S. & FAGEL, N., 2015. Sedimentary records of past earthquakes in Boraboy Lake during the last ca 600 years (North Anatolian Fault, Turkey). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 433, 1-9.
- BART, P.J., DE BATIST, M. & JOKAT, W., 1999. Interglacial collapse of Crary Trough Mouth Fan, Weddell Sea, Antarctica: implications for Antarctic glacial history analysis. *Journal of Sedimentary Research*, 69(6), 1276-1289.
- BECK, C., MERCIER DE LÉPINAY, B., SCHNEIDER, J.L., CREMER, M., ÇAGATAY, N., WENDENBAUM, E., BOUTAREAUD, S., MÉNOT, G., SCHMIDT, S., WEBER, O., ERIS, K., ARMIJO, R., MEYER, B., PONDARD, N., GUTSCHER, M.A., THE MARMACORE CRUISE PARTY, TURON, J.-L., LABEYRIE, L., CORTIJO, E., GALLET, Y., BOUQUEREL, H., GORUR, N., GERVAIS, A., CASTERA, M.-H., LONDEIX, L., DE RESSÉGUIER, A. & JAOUEN, A., 2007. Late Quaternary coseismic sedimentation in the Sea of Marmara's deep basins. *Sedimentary Geology*, 199, 65-89.
- BECKERS, A., HUBERT-FERRARI, A., BECK, C., BODEUX, S., TRIPSANAS, E., SAKELLARIOU, D. & DE BATIST, M., 2015. Active faulting at the western tip of the Gulf of Corinth, Greece, from high-resolution seismic data. *Marine Geology*, 360, 55-69.
- BECKERS, A., HUBERT-FERRARI, A., BECK, C., PAPTODOROU, G., DE BATIST, M., SAKELLARIOU, D., TRIPSANAS, E. & DEMOULIN, A., 2018. Characteristics and frequency of large submarine landslides at the western tip of the Gulf of Corinth. *Natural Hazards and Earth System Sciences*, 18, 1411-1425.
- BERNTSSON, A., JANSSON K.N., KYLANDER, M.E., DE VLEESCHOUWER, F. & BERTRAND, S., 2015. Late Holocene high precipitation events recorded in lake sediments and catchment geomorphology, Lake Vuoksjávratje, NW Sweden. *Boreas*, 44(4), 676-692.
- BERTRAND, S., CHARLET, F., CHAPRON, E., FAGEL, N. & DE BATIST, M., 2008. Reconstruction of the Holocene seismotectonic activity of the Southern Andes from seismites recorded in Lago Icalma, Chile, 39°S. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 259(2-3), 301-322.

- BERTRAND, S., DAGA, R., BEDERT, R. & FONTIJN, K., 2014. Deposition of the 2011–2012 Cordón Caulle tephra (Chile, 40°S) in lake sediments: Implications for tephrochronology and volcanology. *Journal of Geophysical Research – Earth Surface*, 119(12), 2555–2573.
- BERTRAND, S., DONER, L., AKÇER ÖN, S., SANCAR, U., SCHUDACK, U., MISCHKE, S., ÇAGATAY, M.N. & LEROY, S.A.G., 2011. Sedimentary record of coseismic subsidence in Hersek coastal lagoon (Izmit Bay, Turkey) and the late Holocene activity of the North Anatolian Fault. *Geochemistry, Geophysics, Geosystems*, 12(6), doi:10.1029/2011GC003511.
- CALAIS, E., D'OREYE, N., ALBARIC, J., DESCHAMPS, A., DELVAUX, D., DÉVERCHÈRE, J., EBINGER, C., FERDINAND, R.W., KERVYN, F., MACHEYEKI, A.S., OYEN, A., PERROT, J., SARIA, E., SMETS, B., STAMPS, D.S. & WAUTHIER, C., 2008. Aseismic strain accommodation by slow slip and dyking in a youthful continental rift, East Africa. *Nature*, 456(7223), 783-787.
- CANALS, M., LASTRAS, G., URGELES, R., CASAMOR, J.L., MIENERT, J., CATTANEO, A., DE BATIST, M., HAFLIDASON, H., IMBO, Y., LABERG, J.S., LOCAT, J., LONG, D., LONGVA, O., MASSON, D.G., SULTAN, N., TRINCARDI, F. & BRYN, P., 2004. Slope failure dynamics and impacts from seafloor and shallow sub-seafloor geophysical data: Case studies from the COSTA project. *Marine Geology*, 213(1-4), 9-72.
- CHAPRON, E., ALBÉRIC, P., JÉZÉQUEL, D., VERSTEEG, W., BOURDIER, J.L. & SITBON, J., 2010. Multidisciplinary characterisation of sedimentary processes in a recent maar lake (Lake Pavin, French Massif Central) and implication for natural hazards. *Natural Hazards and Earth System Sciences*, 10(9), 1815-1827.
- CHAPRON, E., ARIZTEGUI, D., MULSOW, S., VILLAROSA, G., PINO, M., OUTES, V., JUVIGNIÉ, E. & CRIVELLI, E., 2006. Impact of the 1960 major subduction earthquake in Northern Patagonia (Chile, Argentina). *Quaternary International*, 158, 58-71.
- CHAPRON, E., VAN RENSBERGEN, P., DE BATIST, M., BECK, C. & HENRIET, J.P., 2004. Fluid escape features as a precursor of large sublacustrine sediment slides. *Terra Nova*, 16(5), 305-311.
- COLLIER, J.S., OGGIONI, F., GUPTA, S., GARCIA-MORENO, D., TRENTESAUX, A. & DE BATIST, M., 2015. Streamlined islands and the English Channel megaflood hypothesis. *Global and Planetary Change*, 135, 190-206.
- COLON, S., AUDEMARD, F., BECK, C., AVILA, J., PADRON, C., DE BATIST, M., PAOLINI, M., LEAL, A. & VAN WELDEN, A., 2015. The 1900 Mw 7.6 earthquake offshore North-central Venezuela: Is La Tortuga or San Sebastián the source fault? *Marine and Petroleum Geology*, 67, 498-511.
- DE BATIST, M., TALLING, P., STRASSER, M. & GIRARDCLOS, S. (Eds.), 2017. Subaquatic paleoseismology: records of large Holocene earthquakes in marine and lacustrine sediments. *Marine Geology*, 384.
- DEHANDSCHUTTER, B., BOBROV, B.A., HUS, R., ASTAKHOV, N.E., ANDROSOVA, N.B. & POPOV, Y.P., 2002. Radon anomalies as tracers of fault activity (West-Sayan Fault Zone, northern part of Lake Teletskoye, Gorny Altai). *Russian Geology and Geophysics*, 43(2), 114-128.
- DEHANDSCHUTTER, B., VYSOTSKY, E., DELVAUX, D., KLERKX, J., BUSLOV, M.M., SELEZNEV, V.S. & DE BATIST, M., 2002. Structural evolution of the Teletsk graben (Russian Altai). *Tectonophysics*, 351(1-2), 139-167.
- DE LA TAILLE, C., JOUANNE, F., CROUZET, C., BECK, C., JOMARD, H., DE RYCKER, K. & VAN DAELE, M., 2015. Impact of active faulting on the Post LGM infill of Le Bourget Lake (western Alps, France). *Tectonophysics*, 664, 31-49.
- DELVAUX, D., FRONHOFFS, A., HUS, R. & POORT, J., 2000. Normal fault splays, relay ramps and transfer zones in the central part of the Baikal Rift Basin: insight from digital topography and bathymetry. *Bull. Centres Rech. Explor.-Prod. Elf-Aquitaine*, 22(2), 341-358.

- FEDOTOV, A., DE BATIST, M. & POULS, T., 2006. Tectonic evolution of the southwestern wall of the Baikal Rift Zone. *Doklady Earth Science*, 410(7), 1053–1055.
- FONTIJN, K., RAWSON, H., VAN DAELE, M., MOERNAUT, J., ABARZÚA, A.M., HEIRMAN, K., BERTRAND, S., PYLE, D.M., MATHER, T.A., DE BATIST, M., NARANJO, J.A. & MORENO, H., 2016. Synchronisation of sedimentary records using tephra: A postglacial tephrochronological model for the Chilean Lake District. *Quaternary Science Reviews*, 137, 234-254.
- FRASER, J., HUBERT-FERRARI, A., VERBEECK, K., GARCIA MORENO, D., AVSAR, U., MARICQ, N., COUDIJZER, A., VLAMYNCK, N. & VANNESTE, K., 2012. A 3000-year record of surface rupturing earthquakes at Gulan; Variable rupture lengths on the 1939 Erzincan earthquake rupture segment of the North Anatolian Fault. *Annals of Geophysics*, 55(5), 895-927.
- GARCIA MORENO, D., HUBERT-FERRARI, A., MOERNAUT, J., BOES, X., FRASER, J., VAN DAELE, M., AVSAR, U., CAGATAY, N. & DE BATIST, M., 2011. Structure and evolution of the Hazar Basin - A strike-slip basin on the East Anatolian Fault, Eastern Turkey. *Basin Research*, 23(2), 191–207
- GARCÍA MORENO, D., VERBEECK, K., CAMELBEECK, T., DE BATIST, M., OGGIONI, F., ZURITA HURTADO, O., VERSTEEG, W., JOMARD, H., COLLIER, J., GUPTA, S., TRENTESAUX, A. & K. VANNESTE, 2015. Fault activity in the epicentral area of the 1580 Dover-Strait/Pas-de-Calais earthquake (North-Western Europe). *Geophysical Journal International*, 201(2), 528-542.
- GARRETT, E., FUJIWARA, O., GARRETT, P., HEYVAERT, V.M.A., SHISHIKURA, M., YOKOYAMA, Y., HUBERT-FERRARI, A., BRUCKNER, H., NAKAMURA, A., DE BATIST, M. & THE QUAKERECNANKAI TEAM, 2016. A systematic review of geological evidence for Holocene earthquakes and tsunamis along the Nankai-Suruga Trough, Japan. *Earth-Science Reviews*, 159, 337-357.
- GARRETT, E., FUJIWARA, O., RIEDESEL, S., WALSTRA, J., DEFORCE, K., YOKOYAMA, Y., SCHMIDT, S., BRÜCKNER, H., DE BATIST, M., HEYVAERT, V.M.A. & THE QUAKERECNANKAI TEAM, 2018. Historical Nankai-Suruga megathrust earthquakes recorded by tsunami and terrestrial mass movement deposits on the Shirasuka coastal Lowlands, Shizuoka Prefecture, Japan. *The Holocene*, 28(6), 968-983.
- GEBHARDT, A.C., OHLENDORF, C., NIESSEN, F., DE BATIST, M., ANSELMETTI, F.S., ARIZTEGUI, D., KLIEM, P., WASTEGÅRD, S. & ZOLITSCHKA, B., 2012. Seismic evidence of up to 200 m lake level change in Southern Patagonia since MIS4. *Sedimentology*, 59(3), 1087-1100.
- GEBHARD, C., NAUDTS, L., DE MOL, L., KLERKX, J., ABDRAKHMATOV, K., SOBEL, E. & DE BATIST, M., 2017. High-amplitude lake-level changes in tectonically active Lake Issyk-Kul (Kyrgyzstan) revealed by high-resolution seismic reflection data. *Climate of the Past*, 13, 73-92.
- GOLDFINGER, C., MOREY, A.E., NELSON, C.H., GUTIÉRREZ-PASTOR, J., JOHNSON, J.E., KARABANOV, E., CHAYTOR, J., ERIKSSON, A. & SHIPBOARD SCIENTIFIC PARTY, 2007. Rupture lengths and temporal history of significant earthquakes on the offshore and north coast segments of the Northern San Andreas Fault based on turbidite stratigraphy. *Earth and Planetary Science Letters*, 254(1-2), 9-27.
- GOLDFINGER, C., NELSON, C.H., JOHNSON, J.E. & THE SHIPBOARD SCIENTIFIC PARTY, 2003. Holocene earthquake records from the Cascadia subduction zone and northern San Andreas fault based on precise dating of offshore turbidites. *Annual Reviews of Earth and Planetary Science*, 31, 555–577.
- GOLDFINGER, C., NELSON, C.H., JOHNSON, J.E. & THE SHIPBOARD SCIENTIFIC PARTY, 2003. Deep-water turbidites as Holocene earthquake proxies: the Cascadia subduction zone and Northern San Andreas Fault systems. *Annals of Geophysics*, 46(5), 1169-1194.

GOLDFINGER, C., PATTON, J., VAN DAELE, M., MOERNAUT, J., NELSON, C.H., DE BATIST, M. & MOREY, A., 2014. Comment: Can Turbidites be Used to Reconstruct a Paleoearthquake Record for the Sumatran Margin? *Geology*, 42, e344.

GRANIN, N.G., RADZIMINOVICH, N.A., DE BATIST, M., MAKAROV, M.M., CHECHELNITCKY, V.V., BLINOV, V.V., ASLAMOVIĆ, I.A., GNATOVSKY, R.YU., POORT, J. & PSAKHIE, S.G., 2018. Lake Baikal's response to remote earthquakes: Lake-level fluctuations and near-bottom water layer temperature change. *Marine and Petroleum Geology*, 89(3), 604-614.

GUPTA, S., COLLIER, J., GARCIA-MORENO, D., OGGIONI, F., TRENTESAUX, A., VANNESTE, K., DE BATIST, M., CAMELBEECK, T., POTTER, G., VAN VLIET LANOE, B. & ARTHUR, J., 2017. Twostage opening of the Dover Strait and the origin of island Britain. *Nature Communications*, 8, 15101.

HEIRMAN, K., DE BATIST, M., ARNAUD, F. & DE BEAULIEU, J.L., 2012. Seismic stratigraphy of the late Quaternary sedimentary infill of Lac d'Armor (Kerguelen Archipelago): a record of glacier retreat, sedimentary mass wasting and Southern Westerly intensification. *Antarctic Science*, 24(6), 608-618.

HERMANN, R.L., SEPÚLVEDA, S.A., LASTRAS, G., AMBLAS, D., CANALS, M., AZPIROZ, M., BASCUÑÁN, I., CALAFAT, A.M., DUHART, P., FRIGOLA, J., IGLESIAS, O., KEMPF, P., LAFUERZA, S., LONGVA, O., MICALLEF, A., OPPIKOFER, T., RAYO, X., VARGAS, G. & YUGSI MOLINA, F., 2014. Earthquake-Triggered Subaerial Landslides that Caused Large Scale Fjord Sediment Deformation: Combined Subaerial and Submarine Studies of the 2007 Aysén Fjord Event, Chile. In: LOLLINO, G., MANCONI, A., LOCAT, J., HUANG, Y. & CANALS ARTIGAS, M. (Eds.) *Engineering Geology for Society and Territory. Volume 4: Marine and Coastal Processes*. Springer International Publishing, pp. 535-569.

HUBERT-FERRARI, A., AVSAR, U., EL OUAHABI, M., LE POINT, G. & FAGEL, N., 2012. Paleoseismic record obtained by coring a sag-pond along the North Anatolian Fault (Turkey). *Annals of Geophysics*, 55(5), 929-953.

HUBERT FERRARI, A., EL OUAHABI, M., GARCIA MORENO, D., AVSAR, U., ALTINOK, S., SCHMIDT, S., FAGEL, N. & ÇAGATAY, N., 2017. Earthquake imprints on a lacustrine deltaic system: the Kürk Delta along the East Anatolian Fault (Turkey). *Sedimentology*, 64(5), 1322-1353.

HUS, R., ACOCELLA, V., FUNICIELLO, R. & DE BATIST, M., 2005. Sandbox models of extensional relay ramp structure and evolution. *Journal of Structural Geology*, 27(3), 459-473.

HUS, R., DE BATIST, M., KLERKX, J. & MATTON, C., 2006. Fault linkage in continental rifts: Structure and evolution of a large relay ramp in Zavarotny; Lake Baikal (Russia). *Journal of Structural Geology*, 28(7), 1338-1351.

HUVENNE, V., CROKER, P. & HENRIET, J.P., 2002. A refreshing 3D-view of an ancient sediment collapse and slope failure. *Terra Nova*, 14(1), 33-40.

IMBO, Y., DE BATIST, M., CANALS, M., PRIETO, M.J. & BARAZA, J., 2003. The Gebra Slide: a submarine slide on the Trinity Peninsula Margin, Antarctica. *Marine Geology*, 193(3-4), 235-252.

KEMPF, P., MOERNAUT, J., VAN DAELE, M., VANDOORNE, W., PINO, M., URRUTIA, R. & DE BATIST, M., 2017. Coastal lake sediments reveal 5500 years of tsunami history in south central Chile. *Quaternary Science Reviews*, 161, 99-116.

KEMPF, P., MOERNAUT, J. & DE BATIST, M., 2019. Bimodal recurrence pattern of tsunamis in south central Chile: a statistical exploration of paleotsunami data. *Seismological Research Letters*, 90(1), 194-202.

KEMPF, P., MOERNAUT, J., VAN DAELE, M., VERMASSEN, F., VANDOORNE, W., PINO, M., URRUTÍA, R., SCHMIDT, S., GARRETT, E. & DE BATIST, M., 2015. The sedimentary record of the 1960 tsunami in two coastal lakes on Chiloé Island, south central Chile. *Sedimentary Geology*, 328, 73-86.

- KJENNERUD, T., LIPPARD, S.J. & VANHAUWAERT, P., 2001. Short term development of intracontinental rifts, with reference to the late Quaternary of the Rukwa Rift (East African Rift System). *Marine and Petroleum Geology*, 18(3), 307-317.
- LAMAIR, L., HUBERT-FERRARI, A., YAMAMOTO, S., EL OUAHABI, M., VANDER AUWERA, J., OBROCHTA, S., BOES, E., NAKAMURA, A., FUJIWARA, O., SHISHIKURA, M., SCHMIDT, S., SIANI, G., MIYAIRI, Y., YOKOYAMA, Y., DE BATIST, M., HEYVAERT, V.M.A. & THE QUAKERECNANKAI TEAM, 2018. Volcanic influence of Mt. Fuji on the watershed of Lake Motosu and its impact on the lacustrine sedimentary record. *Sedimentary Geology*, 363, 200-220.
- LAMAIR, L., HUBERT-FERRARI, A., YAMAMOTO, S., FUJIWARA, O., YOKOYAMA, Y., GARRETT, E., DE BATIST, M., HEYVAERT, V.M.A. & THE QUAKERECNANKAI TEAM, 2019. Use of high-resolution seismic reflection data for paleogeographical reconstruction of shallow Lake Yamanaka (Fuji Five Lakes, Japan). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 514, 233-250.
- LASTRAS, G., AMBLAS, D., CALAFAT, A.M., CANALS, M., FRIGOLA, J., HERMANN, R.L., LAFUERZA, S., LONGVA, O., MICALLEF, A., SEPÚLVEDA, S.A., VARGAS, G., DE BATIST, M., VAN DAELE, M., AZPIROZ, M., BASCUÑÁN, I., DUHART, P., IGLESIAS, O., KEMPF, P. & RAYO, X., 2013. Landslides cause tsunami waves: insights from Aysén fjord, Chile. *EOS Transactions*, 94(34), 297-298.
- LASTRAS, G., AMBLAS, D. & DETSUFA SHIPBOARD PARTY, 2016. Fjord-flank collapse and associated deformation in Aysén Fjord, Chile. In: DOWDESWELL, J. A., CANALS, M., JAKOBSSON, M., TODD, B. J., DOWDESWELL, E. K., & HOGAN, K. A. (Eds.) *Atlas of Submarine Glacial Landforms: Modern, Quaternary and Ancient*. Geological Society, London, *Memoirs*, 46, 107-108.
- LASTRAS, G., CANALS, M., URGELES, R., DE BATIST, M., CALAFAT, A. & CASAMOR, J.L., 2004. Characterisation of the recent BIG'95 debris flow deposit on the Ebro margin, Western Mediterranean Sea, after a variety of seismic reflection data. *Marine Geology*, 213(1-4), 235-255.
- LASTRAS, G., CANALS, M., HUGHES-CLARKE, J.E., MORENO, A., DE BATIST, M., COCHONAT, P. & MASSON, D.G., 2002. Sea-floor imagery from the BIG'95 debris flow, Western Mediterranean. *Geology*, 30(10), 871-874.
- MACHEYEKI, A.S., DELVAUX, D., DE BATIST, M. & MRUMA, A., 2008. Fault kinematics and tectonic stress in the seismically active Manyara-Dodoma segment in Central Tanzania - Implications for the East African Rift. *Journal of African Earth Sciences*, 51(4), 163-188.
- MELNICK, D., CHARLET, F., ECHTLER, H. & DE BATIST, M., 2006. Incipient axial collapse of the Main Cordillera and strain partitioning gradient between the Central and Patagonian Andes, Lago Laja, Chile. *Tectonics*, 25(5), TC5004. doi:10.1029/2005TC001918
- MOERNAUT, J. & DE BATIST, M., 2011. Frontal emplacement and mobility of sublacustrine landslides: Results from morphometric and seismostratigraphic analysis. *Marine Geology*, 285(1-4), 29-45.
- MOERNAUT, J., DE BATIST, M., HEIRMAN, K., VAN DAELE, M., PINO, M., BRÜMMER, R. & URRUTIA, R., 2009. Fluidization of buried mass-wasting deposits in lake sediments and its relevance for paleoseismology: Results from a reflection seismic study of lakes Villarrica and Calafquén (SouthCentral Chile). *Sedimentary Geology*, 213(3-4), 121-135.
- MOERNAUT, J., DE BATIST, M., CHARLET, F., HEIRMAN, K., CHAPRON, E., PINO, M., BRUEMMER, R. & URRUTIA, R., 2007. Giant earthquakes in South-Central Chile revealed by Holocene mass-wasting events in Lake Puyehue. *Sedimentary Geology*, 195(3-4), 239-256.
- MOERNAUT, J., VAN DAELE, M., FONTIJN, K., HEIRMAN, K., KEMPF, P., PINO, M., VALDEBENITO, G., URRUTIA, R., STRASSER, M. & DE BATIST, M., 2018. Larger earthquakes recur more periodically: new insights in the megathrust earthquake cycle from lacustrine turbidite records in south-central Chile. *Earth and Planetary Science Letters*, 481, 9-19.

- MOERNAUT, J., VAN DAELE, M., HEIRMAN, K., FONTIJN, K., STRASSER, M., PINO, M., URRUTIA, R. & DE BATIST, M., 2014. Lacustrine turbidites as a tool for quantitative earthquake reconstruction: new evidence for a variable rupture mode in South-Central Chile. *Journal of Geophysical Research – Solid Earth*, 119(3), 1607–1633.
- MOERNAUT, J., VAN DAELE, M., STRASSER, M., CLARE, M., HEIRMAN, K., VIEL, M., CARDENAS, J., KILLIAN, R., LADRON DE GUEVARA, B., PINO, M., URRUTIA, R. & DE BATIST, M., 2017. Lacustrine turbidites produced by surficial slope sediment remobilization: a mechanism for continuous and sensitive turbidite paleoseismic records. *Marine Geology*, 384, 159-176.
- MOERNAUT, J., VERSCHUREN, D., CHARLET, F., KRISTEN, I., FAGOT, M. & DE BATIST, M., 2010. The seismic-stratigraphic record of lake-level fluctuations in Lake Challa: hydrological stability and change in equatorial East-Africa over the last 140 kyr. *Earth and Planetary Science Letters*, 290(1-2), 214-223.
- MOERNAUT, J., WIEMER, G., REUSCH, A., STARK, N., DE BATIST, M., URRUTIA, R., LADRÓN DE GUEVARA, B., KOPF, A. & STRASSER, M., 2017. The influence of overpressure and focused fluid flow on subaquatic slope stability in a formerly glaciated basin: Lake Villarrica (South-Central Chile). *Marine Geology*, 383, 35-54.
- MORLEY, C.K., VANHAUWAERT, P. & DE BATIST, M., 2000. Evidence for high frequency cyclic fault activity from high resolution seismic reflection survey, Rukwa Rift, Tanzania. *Journal of the Geological Society, London*, 157, 983-994.
- OBROCHTA, S.P., YOKOYAMA, Y., YOSHIMOTO, M., YAMAMOTO, S., MIYAIRI, Y., NAGANO, G., NAKAMURA, A., TSUNEMATSU, K., LAMAIR, L., HUBERT-FERRARI, A., LOUGHEED, B.C., HOKANISHI, A., YASUDA, A., HEYVAERT, V.M.A., DE BATIST, M., FUJIWARA, O. & THE QUAKERECNANKAI TEAM, 2018. Mt. Fuji Holocene eruption history reconstructed from proximal lake sediments and high-density radiocarbon dating. *Quaternary Science Reviews*, 200, 395-405.
- PEREA, H., FIGUEIREDO, P.M., CARNER, J., GAMBINI, S., BOYDELL, K. & PARTICIPANTS IN THE EUROPALEOS COURSE, 2003. Paleoseismological data from a new trench across the El Camp Fault (Catalan Coastal Ranges, NE Iberian Peninsula). *Annals of Geophysics*, 46(5), 763-774.
- PIRET, L., BERTRAND, S., KISSEL, C., DE POL-HOLZ, R., TAMAYO HERNANDO, A. & VAN DAELE, M., 2018. First evidence of a mid-Holocene earthquake-triggered megaturbidite south of the Chile Triple Junction. *Sedimentary Geology*, 375, 120-133.
- PRAET, N., MOERNAUT, J., VAN DAELE, M., BOES, E., HAEUSSLER, P.J., STRUPLER, M., SCHMIDT, S., LOSO, M.G. & DE BATIST, M., 2017. Paleoseismic potential of sublacustrine landslide records in a high-seismicity setting (south-central Alaska). *Marine Geology*, 384, 103-119.
- RIEDELSEL, S., BRILL, D., ROBERTS, H.M., DULLER, G.A.T., GARRETT, E., ZANDER, A.M., KING, G.E., TAMURA, T., BUROW, C., CUNNINGHAM, A., SEELIGER, M., DE BATIST, M., HEYVAERT, V.M.A., FUJIWARA, O., BRÜCKNER, H. & THE QUAKERECNANKAI TEAM, 2018. Single-grain feldspar luminescence chronology of historical extreme wave event deposits recorded in a coastal lowland, Pacific coast of central Japan. *Quaternary Geochronology*, 45, 37-49.
- ROSS, K.A., SMETS, B., DE BATIST, M., HILBE, M., SCHMID, M. & ANSELMETTI, F., 2014. Lakelevel rise in the late Pleistocene and active subaquatic volcanism since the Holocene in Lake Kivu; East African Rift. *Geomorphology*, 221, 274-285.
- STEFER, S., MOERNAUT, J., MELNICK, D., ECHTLER, H.P., ARZ, H.W., LAMY, F., DE BATIST, M., ONCKEN, O. & HAUG, G.H., 2010. Forearc uplift rates deduced from sediment cores of two coastal lakes in south-central Chile. *Tectonophysics*, 495(1-2), 129-143.
- VAN DAELE, M., CNUUDE, V., DUYCK, P., PINO, M., URRUTIA, R. & DE BATIST, M., 2014. Multidirectional, synchronously-triggered seismo-turbidites and debrites revealed by X-ray computed tomography (CT). *Sedimentology*, 61(4), 861-880.

- VAN DAELE, M., MEYER, I., MOERNAUT, J., DEDECKER, S., VERSCHUREN, D. & DE BATIST, M., 2017. A revised classification and terminology for stacked and amalgamated turbidites in environments dominated by (hemi)pelagic sedimentation. *Sedimentary Geology*, 357, 72-82.
- VAN DAELE, M., MOERNAUT, J., DOOM, L., BOES, E., FONTIJN, K., HEIRMAN, K., VANDOORNE, W., HEBBELN, D., PINO, M., URRUTIA, R., BRÜMMER, R. & DE BATIST, M., 2015. A comparison of the sedimentary records of the 1960 and 2010 great Chilean earthquakes in 17 lakes: implications for quantitative lacustrine paleoseismology. *Sedimentology*, 62(5), 1466-1496.
- VAN DAELE, M., MOERNAUT, J., SILVERSMIT, G., SCHMIDT, S., FONTIJN, K., HEIRMAN, K., VANDOORNE, W., VAN ACKER, J., WOLFF, C., PINO, M., URRUTIA, R., ROBERTS, S., VINCZE, L. & DE BATIST, M., 2014. The 600 yr eruptive history of Villarrica Volcano (Chile) revealed by annually laminated lake sediments. *Bulletin of the Geological Society of America*, 126(3-4), 481-498.
- VAN DAELE, M., VERSTEEG, W., PINO, M., URRUTIA, R. & DE BATIST, M., 2013. Widespread deformation of basin-plain sediments in Aysén fjord (Chile) due to impact by earthquake-triggered, onshore-generated mass movements. *Marine Geology*, 337, 67-79.
- VANNESTE, K., WILS, K. & VAN DAELE, M., 2018. Probabilistic evaluation of fault sources based on paleoseismic evidence from mass-transport deposits: the example of Aysén Fjord, Chile. *Journal of Geophysical Research – Solid Earth*, 123(11), 9842-9865.
- WIEMER, G., MOERNAUT, J., STARK, N., KEMPF, P., DE BATIST, M., PINO, M., URRUTIA, R., LADRÓN DE GUEVARA, B., STRASSER, M. & KOPF, A., 2015. The role of sediment composition and behavior under dynamic loading conditions on slope failure initiation: a study of a subaqueous landslide in earthquake-prone South-Central Chile. *International Journal of Earth Sciences*, 104(5), 1439-1457.
- WILS, K., VAN DAELE, M., LASTRAS, G., KISSEL, C., LAMY, F. & SIANI, G., 2018. Holocene Event Record of Aysén Fjord (Chilean Patagonia): an Interplay of Volcanic Eruptions, Crustal and Megathrust Earthquakes. *Journal of Geophysical Research – Solid Earth*, 123(1), 324-343.