

## Biographic Sketch

Till J.J. Hanebuth, Ph.D.

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*Associate Professor*

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### Appointments

- Since 02/2018 Tenured Associate Professor, School of Coastal and Marine System Science, Coastal Carolina University, Conway, SC, U.S.A.
- 2014 – 2018 Associate Professor, School of Coastal and Marine System Science, Coastal Carolina University, Conway, SC, U.S.A.
- Affiliated Scientist, MARUM – Center for Marine Environmental Sciences, University of Bremen, Germany
- 2013 – 2014 Guest Investigator, Coastal Systems Group, Dept. of Geology and Geophysics, Woods Hole Oceanographic Institution, Woods Hole, MA, U.S.A. (12 months)
- 2010 – 2014 DFG Heisenberg Fellow, Head of Marine Sedimentation Systems Group, MARUM – Center for Marine Environmental Sciences, University of Bremen, Germany
- 2008 – 2010 Senior Scientist, Sedimentology/Palaeoceanography Group, Faculty of Geosciences, University of Bremen, Germany
- 2002 – 2008 Assistant Professor (*Wissenschaftlicher Assistent*), Sedimentology/Palaeoceanography Group, Faculty of Geosciences, University of Bremen, Germany
- 2001 – 2002 A.v.Humboldt Fellow (Feodor-Lynen/STA), Urban and Coastal Geology Group, Geological Survey of Japan, Tsukuba, Japan (18 months)
- 2000 – 2001 Postdoc fellow at the DFG-Graduate School Dynamics of Global Cycles within the System Earth, GEOMAR, Christian-Albrechts-University Kiel, Germany (8 months)

### Professional Preparation

Ph.D.	Chr.-Albrechts-University Kiel, Germany	Geology-Paleontology	1996-2000
M.Sc.	Philipps-University Marburg, Germany	Geology-Paleontology	1993-1996
B.Sc.	University of Hamburg, Germany	Geology-Paleontology	1990-1993

### Pre-Academic Preparation

Military service	Radio operator, German Navy	1988-1990
Academic diploma	Gelehrtenschule des Johanneums, Hamburg, Germany	1988

## Career Achievement and Expertise in Brief

<b>Scientific Interests</b>	Geology, Sedimentology, Geochemistry, Paleoceanography, Stratigraphy. Sediment- and hydrodynamic processes in river, coast, shelf, continental-slope systems; Environmental control on sediment dynamics: climate, oceanography, sea level, coastal dynamics; Human impact: coastal modifications, contamination, bottom trawling
<b>Publications</b>	82 international peer-reviewed articles; 3 submitted; 18 further publications. H-index: 25
<b>Teaching</b>	Since 2002; Bachelor, Master's, and Postgraduate levels Diversity of courses around coastal and marine geological topics and issues; various field trainings (Alps, Denmark, central Germany; coastal Carolinas, Appalachians, US east coast)
<b>Supervision</b>	<b>Germany:</b> 11 PhD, 17 Master's, 12 Bachelor students <b>USA:</b> 1 PhD, 5 Master's, 3 Bachelor students (399/499)
<b>Interdisciplinary Lab</b>	Collaboration with seismo-acoustics, oceanography and hydrodynamics, inorganic/isotopic/organic geochemistry, palaeoceanography, palaeoclimatology, archaeology, geomagnetics, micro-palaeontology and ecology
<b>Cruise Expeditions</b>	14 extended ship expeditions, 5 of these as chief scientist (South China Sea, NW Spain, Mauritania, Uruguay/Argentina, Brazil, Barents Sea)
<b>Field Expeditions</b>	5 land expeditions, 3 of these as chief scientist (Vietnam, Bangladesh)
<b>Intl' Cooperation</b>	<b>Europe:</b> Uni Vigo, Uni Barcelona, OGS/Trieste, Uni Poznan, Uni Granada, Geol. Survey of Spain/Madrid, Uni Cologne, , IFREMER/Brest, Uni Kiel, GEOMAR/Kiel, AWI/Bremerhaven, MARUM/Uni Bremen, HZG/Geesthacht <b>N America:</b> Wood Hole Oceanographic Institution, USGS (Woods Hole/MA, San Diego/CA), SC State Geological Survey, Uni North Carolina Wilmington, Uni South Carolina <b>S America:</b> Uni Sao Paulo, Uni Montevideo/Rocha, Hydrographic Survey Buenos Aires <b>Asia:</b> Geological Survey of Japan/Tsukuba, Uni Tokyo, Nat'l Uni Taiwan, Vietnamese Acad. Science and Tech., Geol. Survey Bangladesh, Uni Dhaka
<b>Current projects</b>	SanteeAGES – <i>Anthropogenic, geological and ecological imprints in the Santee River Delta, SC</i> SanteeMap – <i>Mapping the nearshore and offshore region off the Winyah Bay/Santee Delta region</i> GEORGETOWN SILTING – <i>Analyzing and modeling the silting and contamination issues around the GTown harbor and Sampit River</i> GALIOMAR – <i>Sediment structures and critical ocean interfaces on the Galician margin (NW Iberian Peninsula)</i> CADISED – <i>Sediment depocenters in the northern Gulf of Cadiz (S' Spain)</i> NAP-GEOSEDEX & "SAMSEC" – <i>South-eastern South American Continental Shelf: Sedimentary, Environmental, and Climatic Changes</i> SUNDARBANS 2016 – <i>Subsidence estimates for SW' coastal Bangladesh</i>
<b>Memberships</b>	AGU, GSA, IAS, SEPM, GV, DHV, Pedeciba

## Publications in peer-review journals

### 2018

1. **Hanebuth** TJJ, King ML, Mendes I, Lebreiro S, Lobo FJ, Oberle FK, Antón L, Ferreira PA, Reguera MI (**accepted**) Hazard potential of widespread but hidden historic offshore heavy metal (Pb, Zn) contamination (Gulf of Cadiz, Spain). *Science of the Total Environment* 637-638, 561-567. Doi 10.1016/j.scitotenv.2018.04.352.
2. Mena A, Francés G, Pérez-Arlucea M, **Hanebuth** TJJ, Bender VB, Nombela MÁ (**accepted**) Evolution of the Galicia Interior Basin during the past 60 ka: Sedimentation processes and palaeoceanographic significance. *Journal of Quaternary Science*. Doi 10.1002/jqs.3032.
3. Caricchi C, Lucchi RG, Sagnotti L, Macrì P, Morigi C, Melis R, Caffau M, Rebesco M, **Hanebuth** TJJ (**2018**) Paleomagnetism and rock magnetism in sediments along a continental shelf-to-slope transect in the NW Barents Sea: implications for geomagnetic and depositional changes during the past 15 thousand years. *Global and Planetary Change* 160, 10-27. Doi 10.1016/j.gloplacha.2017.11.007.

### 2017

4. Lantzsich H, **Hanebuth** TJJ, Horry J, Grave M, Rebesco M, Schwenk T (**2017**) Deglacial to Holocene history of ice-sheet retreat and bottom current strength on the western Barents Sea. *Quaternary Science Reviews* 173, 40-57. Doi 10.1016/j.quascirev.2017.08.016.
5. Mahiques MM, **Hanebuth** TJJ, Nagai RN, Bícigo MC, Figueira RCL, Sousa SHM, Burone L, Franco-Fraguas P, Taniguchi S, Salaroli AB, Dias GP, Prates DM, Freitas MEF (**2017**) Inorganic and organic geochemical fingerprinting of sediment sources and ocean circulation on a complex continental margin (São Paulo Bight, Brazil). *Ocean Science* 13, 209-222. Doi 10.5194/os-13-209-2017.

### 2016

6. Zecchin M, Rebesco M, Lucchi RG, Caffau M, Lantzsich H, **Hanebuth** TJJ (**2016**) Buried iceberg-keel scouring features in the southern Spitsbergenbanken, NW Barents Sea. *Marine Geology* 382, 68-79. Doi 10.1016/j.margeo.2016.10.005.
7. Rebesco M, Özmaral A, Urgeles R, Accettella D, Lucchi RG, Rütther D, Winsborrow M, Llopart J, Caburlotto A, Lantzsich H, **Hanebuth** TJJ (**2016**) Evolution of a high-latitude sediment drift inside a glacially-carved trough based on high-resolution seismic stratigraphy (Kveithola, NW Barents Sea). In: PAST Gateways (Palaeo-Arctic Spatial and Temporal Gateways), Ó Cofaigh C, Briner JP, Kirchner N, Lucchi RG and Meyer H (eds). *Quaternary Science Reviews* 147, 178-193. Doi 10.1016/j.quascirev.2016.02.007.
8. Löwemark LA, Chao WS, Gyllencreutz R, **Hanebuth** TJJ, Chiu PY, Yang TN, Su CC, Chuang CK, León Dominguez DC, Jakobsson M (**2016**) Variations in glacial and interglacial marine conditions over the last two glacial cycles off northern Greenland. In: PAST Gateways (Palaeo-Arctic Spatial and Temporal Gateways), Ó Cofaigh C, Briner JP, Kirchner N, Lucchi RG and Meyer H (eds). *Quaternary Science Reviews* 147, 164-177. Doi 10.1016/j.quascirev.2015.10.035.
9. Zhang W, Cui Y, Santos A, **Hanebuth** TJJ (**2016**) Storm-driven bottom sediment transport on a high-energy narrow shelf (NW Iberia) and development of mud depocenters. *Journal of Geophysical Research – Oceans* 121(8), 5751-5772. Doi 10.1002/2015JC011526.
10. Hernández-Molina FJ, Wåhlin A, Bruno M, Ercilla G, Llave E, Serra N, Roson G, Puig P, Rebesco M, Van Rooij D, Roque D, González-Pola C, Sanchéz F, Gómez F, Preu B, Schwenk T, **Hanebuth** TJJ, Sánchez Leal RF, García-Lafuente J, Brackenridge RE, Juan C, Stow DAV, Sánchez-González JM (**2016**) Oceanographic processes and products around the Iberian margin: a new multidisciplinary approach. In: Van Rooij D, Campbell C, Rueggeberg A, Wåhlin A (eds) "The contourite log-book: significance for palaeoceanography, ecosystems and slope instability". *Marine Geology* 378, 127-156. Doi 10.1016/j.margeo.2015.12.008.

11. Zhang W, **Hanebuth** TJJ, Stöber U (2016) Short-term sediment dynamics on a meso-scale contourite drift (off NW Iberia): impacts of multi-scale oceanographic processes deduced from the analysis of mooring data and numerical modelling. In: Van Rooij D, Campbell C, Rueggeberg A, Wåhlin A (eds) "The contourite log-book: significance for palaeoceanography, ecosystems and slope instability". *Marine Geology* 378, 81-100. Doi 10.1016/j.margeo.2015.12.006.
12. Oberle FKJ, Storlazzi CD, **Hanebuth** TJJ (2016) What a drag: Quantifying the global impact of chronic bottom trawling on continental shelf sediment. *Journal of Marine Sciences* 159, 109-119. Doi 10.1016/j.jmarsys.2015.12.007.
13. Oberle FKJ, Swarzenski P, Reddy C, Nelson B, Baasch B, **Hanebuth** TJJ (2016) Deciphering the lithological consequences of bottom trawling to sedimentary habitats on the shelf. *Journal of Marine Sciences* 159, 120-131. Doi 10.1016/j.jmarsys.2015.12.008.
14. de Mahiques MM, **Hanebuth** TJJ, Martins CC, Montoya-Montes I, Alcántara-Carrío J, Figueria RCL, Bicego MC (2016) Mud depocenters on the continental shelf – a neglected sink for anthropogenic contaminants released in the coastal zone. *Environmental Earth Sciences* 75, 44. Doi 10.1007/s12665-015-4782-z.
15. Perez L, García-Rodríguez F, **Hanebuth** TJJ (2016) Variability in terrigenous sediment supply offshore of the Rio de la Plata (Uruguay) recording the continental climatic history over the past 1200 years. *Climate of the Past* 12, 623-634. Doi 10.5194/cp-12-1-2016.

## 2015

16. **Hanebuth** TJJ, Lantzsch H, Nizou J (2015) Mud depocenters on continental shelves – appearance, initiation times, and growth dynamics. *Geo-Marine Letters* 35 (6), 487-503. Doi 10.1007/s00367-015-9422-6.
17. Hernández-Molina FJ, Wåhlin A, Bruno M, Ercilla G, Llave E, Serra N, Roson G, Puig P, Rebesco M, Van Rooij D, Roque D, González-Pola C, Sanchéz F, Gómez F, Preu B, Schwenk T, **Hanebuth** TJJ, Sánchez Leal RF, García-Lafuente J, Brackenridge RE, Juan C, Stow DAV, Sánchez-González JM (2015) Oceanographic processes and products around the Iberian margin: a new multidisciplinary approach. In: "Geological processes at the Iberian Continental Margin". *Boletín Geológico & Minero* 126 (2-3), 279-326. ISSN 0366-0176.
18. Zhang W, Schneider R, Kolb J, Teichmann T, Dudzinska-Nowak J, Harff J, **Hanebuth** TJJ (2015) Land–sea interaction and morphogenesis of coastal foredunes — A modeling case study from the southern Baltic Sea coast. *Coastal Engineering* 99, 148-166. Doi 10.1016/j.coastaleng.2015.03.005.
19. **Hanebuth** TJJ, Zhang W, Hofmann AL, Löwemark LA, Schwenk T (2015) Oceanic density fronts steering bottom-current induced sedimentation deduced from a 50-ka contourite drift record and numerical modelling (off NW Spain). *Quaternary Science Reviews* 112, 207-225. Doi 10.1016/j.quascirev.2015.01.027.
20. Marrero A, Tudurí A, Pérez L, Cuña C, Muniz P, Figueira RCL, de Mahiques MM, Pittauerova D, **Hanebuth** TJJ, García-Rodríguez F (2015) Historical changes in terrigenous river supply from the Rio de la Plata basin to the inner shelf of Uruguay (in Spanish). *Latin American Journal of Sedimentology and Basin Analysis* 21 (2), 166-179. ISSN 1851-4979.

## 2014

21. Oberle F, Storlazzi C, **Hanebuth** TJJ (2014) Wave-driven sediment mobilization on a storm-controlled continental shelf (Northwest Iberia). *Journal of Marine Sciences* 139, 362-372. Doi 10.1016/j.jmarsys.2014.07.018.
22. Ai F, Preu B, **Hanebuth** TJJ, Krastel-Gudegast S, Strasser M, Kopf A (2014) New constraints on oceanographic vs. seismic control on submarine landslide initiation: a geotechnical approach off Uruguay and northern Argentina. *Geo-Marine Letters* 34, 399-417. Doi 10.1007/s00367-014-0373-3.

23. **Hanebuth** TJJ, Rebesco M, Urgeles U, Lucchi RG, Freudenthal T (2014). Drilling Glacial Deposits in Off-shore Polar Regions. *EOS* 95 (31), 277-278.
24. Lantzsich H, **Hanebuth** TJJ, Chiessi CM, Schwenk T, Violante R (2014) A high-supply sedimentary system controlled by strong hydrodynamic conditions (the continental margin off the Plata Estuary during the late Quaternary). *Quaternary Research* 81, 339-354. Doi 10.1016/j.yqres.2014.01.003.
25. **Hanebuth** TJJ, Kudrass, HR (2014) Historische Salzsiedeöfen und Wurzelhorizonte als Anzeiger für ein rapides Absinken der Küste von Bangladesch. *Spektrum der Wissenschaft*, März, 12-14.
26. Oberle FKJ, **Hanebuth** TJJ, Baasch B, Schwenk T (2014) Volumetric budget calculation of sediment and carbon storage and export for a late Holocene mid-shelf mudbelt system (NW Iberia). *Continental Shelf Research* 76, 12-24. Doi 10.1016/j.csr.2013.12.012.

### 2013

27. Szcuzciński W, Jagodziński R, **Hanebuth** TJJ, Statterger K, Wetzel, A., Mitreğa M, Unverricht D, Phung Van Phach (2013) Modern sedimentation and sediment dispersal pattern on the continental shelf off the Mekong River delta, South China Sea. *Global and Planetary Change* 110, 195-213. Doi 10.1016/j.gloplacha.2013.08.019.
28. **Hanebuth** TJJ, Mersmeyer H, Kudrass, HR, Westphal H (2013) Aeolian to shallow-marine shelf architecture off a major desert since the Late Pleistocene (Northern Mauritania). *Geomorphology* 203, 132-147. Doi 10.1016/j.geomorph.2013.08.031.
29. Preu B, Schwenk T, Hernández-Molina FJ, Strasser M, Huppertz T, **Hanebuth** T, Violante R, Krastel-Gudegast S, Henrich R, Lindhorst K, Meyer M, Spiess V (2013) Interaction between a contourite depositional system and the Mar del Plata canyon off Argentina and Uruguay. *Geo-Temas* 11, 139-140.
30. Bender VB, **Hanebuth** TJJ, Chiessi CM (2013) Holocene shifts of the Subtropical Shelf Front off southeastern South America controlled by high and low latitude forcing. *Paleoceanography* 28, 1-10. Doi 10.1002/palo.20044.
31. **Hanebuth** TJJ, Kudrass HR, Linstädter J, Islam B, Zander AM (2013) Rapid coastal subsidence in the central Ganges-Brahmaputra Delta (Bangladesh) since the 17<sup>th</sup> century deduced from submerged salt-producing kilns. *Geology* 41 (9), 987-990. Doi 10.1130/G34646.1.
32. Voigt I, Henrich R, Preu B, Piola AR, **Hanebuth** TJJ, Schwenk T, Chiessi CM (2013) A submarine canyon as climatic archive – Interaction of the Antarctic Intermediate Water with the Mar del Plata Canyon (Southwest Atlantic). *Marine Geology* 341, 46-57. Doi 10.1016/j.margeo.2013.05.002.

### 2012

33. Löwemark L, O'Regan M, **Hanebuth** TJJ, Jakobsson M (2012) Late Quaternary spatial and temporal variability in Arctic deep-sea bioturbation and its relation to Mn cycles. *Palaeogeography, Palaeoclimatology, Palaeoecology* 365-366, 192-208. Doi 10.1016/j.palaeo.2012.09.028.
34. Wilhelms-Dick D, Westerhold T, Röhl U, Vogt C, **Hanebuth** TJJ, Römmermann R, Kriews M, Kasten S (2012) A comparison of mm scale resolution techniques for element analysis in sediment cores. *Journal of Analytical Atomic Spectrometry* 9, 1574-1584. Doi 10.1039/C2JA30148B.
35. **Hanebuth** TJJ, Proske U, Saito Y, Nguyen VL, Ta, TKO (2012). Early growth stage of a large delta – transformation from estuarine-platform to deltaic-progradational conditions (the northeastern Mekong River Delta, Vietnam). *Sedimentary Geology* 261-262, 108-119. Doi 10.1016/j.sedgeo.2012.03.014.
36. Bender VB, **Hanebuth** TJJ, Mena A, Baumann KH, Frances G, v Dobeneck T (2012) Control of sediment supply, palaeoceanography and morphology on late Quaternary sediment dynamics at the Galician continental slope. *Geo-Marine Letters* 32 (1), 313-335. Doi 10.1007/s00367-012-0282-2.

### 2011

37. Gröger J, Proske U, **Hanebuth TJJ**, Hamer K (2011) Cycling of trace metals and rare earth elements (REE) in acid sulphate soils in the Plain of Reeds, Vietnam. *Chemical Geology* 288 (3-4), 162-177. Doi 10.1016/j.chemgeo.2011.07.018.
38. Henkel S, Strasser M, Schwenk T, Winkelmann D, **Hanebuth TJJ**, Formolo M, Riedinger N, Tomasini J, Arnold GL, Krastel S, Kasten S (2011) Geochemical constraints on a submarine mass-transport deposit at the continental margin off Uruguay. *Geochemistry, Geophysics, Geosystems* 12, Q08009. Doi 10.1029/2011GC003669.
39. Mena A, Francés G, Pérez-Arlucea M, **Hanebuth TJJ**, Nombela MA (2011) Sedimentary evolution of the Galicia Inner Basin during the last 70 kyr. *Geo-Temas* 11, 125-126.
40. Krastel S, Wefer G, **Hanebuth TJJ**, Antobreh A, Freudenthal T, Preu B, Schwenk T, Strasser M, Violante R, Winkelmann D, and M78/3 shipboard scientific party (2011) Sediment dynamics and geohazards off Uruguay and the de la Plata River region (northern Argentina and Uruguay). *Geo-Marine Letters* 31 (4), 271-283. Doi 10.1007/s00367-011-0232-4.
41. Nizou J, **Hanebuth TJJ**, Vogt C (2011) Deciphering signals of late Holocene fluvial and aeolian supply from a shelf sediment depocentre off Senegal (NW-Africa). *Journal of Quaternary Science* 26 (4), 41-21. Doi 10.1002/jqs.1467.
42. Proske U, **Hanebuth TJJ**, Gröger J, Diem BP (2011) Late Holocene sedimentary and environmental development of the northern Mekong River Delta, Vietnam. In: Switzer A, Saito Y, Yokoyama Y, Catto N (eds) "Quaternary sea level and paleo-environmental reconstructions in the coastal zone of East and Southeast Asia". *Quaternary International* 230, 57-66. Doi 10.1016/j.quaint.2009.11.032.
43. **Hanebuth TJJ**, Voris HK, Yokoyama Y, Saito Y, Okuno J (2011) Formation, fate, and implications of depocentres along the sedimentary pathway on the Sunda Shelf (Southeast Asia) over the past 140 ka. *Earth-Science Reviews* 104, 92-110. Doi 10.1016/j.earscirev.2010.09.006.

## 2010

44. Nizou J, **Hanebuth TJJ**, Heslop D, Schwenk T, Palamenghi L, Stuut J-B, Henrich R (2010) The Senegal River mud belt: a high-resolution archive of paleoclimatic change and coastal evolution. *Marine Geology* 278 (1-4), 150-164. Doi 10.1016/j.margeo.2010.10.002.
45. Proske U, **Hanebuth TJJ**, Behling H, Nguyen VL, Ta TKO, Diem BP (2010) The north-eastern Mekong River Delta since the mid-Holocene: Palaeoecological history and implications for prehistoric settlements. *The Holocene* 20 (8), 1257-1268. Doi 10.1177/0959683610374884.
46. Violante RA, Hernández-Molina FJ, Paterlini M, Bozzano G, Krastel S, **Hanebuth TJJ**, Preu B, Laprida C (2010). Contouritic terraces on the Northern Argentina middle continental slope (southwestern Atlantic). *Geo-Temas* 11, 183-184.
47. Lantzsich H, **Hanebuth TJJ**, Henrich R (2010) Sediment recycling and adjustment of deposition during deglacial drowning of a low accumulation shelf (NW Iberia). *Continental Shelf Research* 30, 1665-1679. Doi 10.1016/j.csr.2010.06.013.
48. Pierau R, **Hanebuth TJJ**, Krastel S, Henrich R (2010) Late Quaternary climatic and sea level changes recorded in turbidite activity, Dakar Canyon, NW-Africa. *Quaternary Research* 73 (2), 385-392. Doi 10.1016/j.yqres.2009.07.010.

## 2009

49. Lantzsich H, **Hanebuth TJJ**, Bender V (2009) Holocene evolution of mid-shelf mud-belt depocentres on a high-energy, low-accumulation shelf (NW Iberia). *Quaternary Research* 72 (3), 325-336. Doi 10.1016/j.yres.2009.07.009.

50. Michel J, Westphal H, **Hanebuth TJJ (2009)** Sediment partitioning and winnowing in a mixed eolian-marine system (Mauritanian shelf). *Geo-Marine Letters* 29 (4), 221-232. Doi 10.1007/s00367-009-0136-8.
51. Lantzsich H, **Hanebuth TJJ**, Bender VB, Krastel S (2009) Late Quaternary history of the NW Iberian sedimentary shelf system. *Marine Geology* 259, 47-58. Doi 10.1016/j.margeo.2008.12.008.
52. **Hanebuth**, TJJ, Stattegger K, Bojanowski A (2009) Termination of the Last Glacial Maximum sea-level lowstand: The Sunda sea-level record revisited. In: Camoin G, Droxler A, Miller K and Fulthorpe C (eds) "Records of Quaternary sea-level changes". *Global Planetary Change* 66, 76-84. Doi 10.1016/j.gloplacha.2008.03.011.
53. Mena A, Francés G, **Hanebuth TJJ (2009)** Asociaciones de foraminíferos planctónicos, paleotemperatureas y eventos de Heinrich en el talud continental de Galicia. *Paleolusitana* 1, 277-285.
54. **Hanebuth**, TJJ, Henrich R (2009) Recurrent decadal-scale dust events over Holocene western Africa and their control on canyon turbidite activity (Mauritania). *Quaternary Science Reviews* 28, 261-270. Doi 10.1016/j.quascirev.2008.09.024.

## 2008

55. **Hanebuth TJJ**, Lantzsich H (2008) A Late Quaternary sedimentary shelf system under hyperarid conditions: Unravelling climatic, oceanographic and sea-level controls (Golfe d'Arguin, Mauritania, NW Africa). *Marine Geology* 256, 77-89. Doi 10.1016/j.margeo.2008.10.001.
56. Steinke S, Vogt C, **Hanebuth TJJ**, Stattegger K (2008) Sea level induced variations in clay mineral composition in the southwestern South China Sea over the past 17,000 years. *Marine Geology* 250 (3-4), 199-210. Doi 10.1016/j.margeo.2008.01.005.
57. Proske U, Heslop D, **Hanebuth TJJ (2008)** Salt production in pre-Funan Vietnam: archaeomagnetic reorientation of briquetage fragments. *Journal of Archaeological Science* 36, 84-89. Doi 10.1016/j.jas.2008.07.012.
58. Zühlsdorff C, **Hanebuth TJJ**, Henrich R (2008) Persistent periodic turbidite activity off Saharan Africa controlled by climate cyclicity. *Geo-Marine Letters* 28 (2), 87-95. Doi 10.1007/s00367-007-0092-0.
59. Henrich R, **Hanebuth TJJ**, Krastel S, Wynn RB, Schulz HD (2008) Morphostructure and sediment dynamics of the Mauritania Slide Complex. *Marine and Petroleum Geology* 25, 17-33. Doi 10.1016/j.marpetgeo.2007.05.008.
60. Proske U, **Hanebuth TJJ**, Meggers H., Leroy S (2008) Tidal flat history during the last millennium in the northern area of Tidra Island, Banc d'Arguin, Mauritania. *Journal of African Earth Sciences* 50, 37-48. Doi 10.1016/j.jafrearsci.2007.09.002.
61. Mena A, Francés G, **Hanebuth T (2008)** Registro paleoclimático de los 50.000 años en el talud continental de Galicia. *Geo-Temas* 10, 544-548.

## Before 2007

62. Krastel S, Wynn RB, **Hanebuth TJJ**, Henrich R, Holz C, Meggers H, Kuhlmann H, Georgiopoulou A, Schulz HD (2006) Mapping of seabed morphology and shallow sediment structure of the Mauritania continental margin, Northwest Africa: some implications for geohazard potential. *Norwegian Journal of Geosciences* 86, 163-176.
63. Tanabe S, Saito Y, Quang LV, **Hanebuth TJJ**, Quang LN, Kitamura A (2006) Holocene evolution of the Song Hong (Red River) delta system, northern Vietnam. *Sedimentary Geology* 187 (1-2), 29-61. Doi 10.1016/j.sedgeo.2005.12.004.
64. **Hanebuth TJJ**, Saito Y, Tanabe S, Quang LV, Quang TN (2006) Sea levels during late marine isotope stage 3 (or older?) reported from the Red River delta (northern Vietnam) and adjacent regions. In: Yim W-S,

- Antonioli F, **Hanebuth** TJJ, Shaw J (eds) "Quaternary sea-level changes: Contributions from the 32<sup>nd</sup> IGC". *Quaternary International* 145-146, 119-134. Doi 10.1016/j.quaint.2005.07.008.
65. Reinecke A, **Hanebuth** TJJ (2005) Auf der Suche nach der früheren Meeresküste in Südvietnam. *Annalen der Hamburger Vietnamistik* 1, 49-61.
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