

# Curriculum vitae Tobias Dolch

since July 2011:

- Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI), Wadden Sea Station Sylt
- Research associate in coastal ecology

Main interests

- analysis of habitat changes in the Wadden Sea, survey and assessment of the ecological status of coastal habitats and ecosystems, research on the effects of climate change on coastal habitats and ecosystems including adjacent dunes

Long-term projects:

- LLUR-Project "Monitoring of seagrass beds to assess the ecological status of the Schleswig-Holstein Wadden Sea"
- LKN-NPV project "Area-wide surveys of the occurrences of macro algae and seagrass in the Schleswig-Holstein Wadden Sea National Park"

October 2017 - April 2018:

- Friedrich-Alexander University Erlangen-Nuremberg (FAU), Department of Education - Institute of Educational Sciences
- Teacher and crew member in the school project "Classroom under Sails"

October 2011 - September 2017 and October 2018 - March 2020:

- Christian-Albrechts University Kiel (CAU), Department of Geography
- Lecturer

October 2012 - February 2013:

- Helmholtz-Zentrum Geesthacht (HZG) - Centre for Materials Research and Coastal Research
- Research associate in the project "The Knowledge-based Sustainable Management for Europe's Seas (KNOWSEAS)"

February 2010 - May 2011:

- Christian-Albrechts-Universität Kiel (CAU), Institute for Geosciences, Sedimentology, Coastal and Shelf Geology
- Research associate in the KFKI (Kuratorium für Forschung im Küsteningenieurwesen)-Project "Development of integrated model systems for the analysis of long-term morphodynamics in the German Bight (AufMod)"

March 2004 - January 2010:

- Alfred Wegener Institute for Polar and Marine Research (AWI), Wadden Sea Station Sylt
- Research associate in coastal ecology (including PhD studies)

September 2002 - February 2004:

- Leibniz Institute for Baltic Sea Research Warnemünde (IOW)
- Research associate in the EU project “Characterization of Baltic Ecosystems (CHARM) “ and in the EU INTERREG III B project “BaltCoast - Integrated Coastal Zone Development in the Baltic Sea Region“

October 1995 - August 2002:

- Rheinische Friedrich-Wilhelms-University Bonn - Department of Geography,  
Monash University, Melbourne / Australia
- Studies of geography with focus on “Ecology and Environment“

## Publications

- Dolch, T. (2019): „Mehr ist besser“ - Seegras als Indikator für den Zustand von Küstengewässern. In: ESKP (Earth System Knowledge Platform) - Themenspezial IV: Biodiversität im Meer und an Land – Vom Wert biologischer Vielfalt, <https://themenspezial.eskp.de/biodiversitaet-im-meer-und-an-land/inhalt/ueberduengung/seegras-zeigt-wasserqualitaet/>  
(title: *More is better - seagrass as an indicator for the environmental status of coastal waters*)
- Osswald, F., Dolch, T. and Reise, K. (2019): Remobilizing stabilized island dunes for keeping up with sea level rise? *Journal of Coastal Conservation*, <https://doi.org/10.1007/s11852-019-00697-9>
- van Beusekom, J., Carstensen, J., Dolch, T., Grage, A., Hofmeister, R., Kerimoglu, O., Kolbe, K., Lenhart, H., Pätsch, J., Rick, J., Rönn, L. and Ruitter, H. (2019): Wadden Sea Eutrophication: Long-Term Trends And Regional Differences. *Frontiers in Marine Science*, Section Marine Ecosystem Ecology, <https://doi.org/10.3389/fmars.2019.00370>
- Schürch, M., Dolch, T., Bisgwa, J. and Vafeidis, A.T. (2018): Changing sediment dynamics of a mature backbarrier salt marsh in response to sea-level rise and storm activity. *Frontiers in Marine Science* 5: Artikel 155, doi: 10.3389/fmars.2018.00155
- Eschweiler, N., Dolch, T. and Buschbaum, C. (2018): Regional awareness on sea level rise effects – What do we know about the south-eastern North Sea coast? In Krause, G. (Ed.): *Building Bridges at the Science-Stakeholder Interface: Towards Knowledge Exchange in Earth System Science*, 19–29, [https://doi.org/10.1007/978-3-319-75919-7\\_4](https://doi.org/10.1007/978-3-319-75919-7_4)
- Dolch, T., Buschbaum, C. and Reise, K. (2018): Deich und Seegras - Eignen sich Seegräser als Modellorganismus für den ökologischen Erfolg alternativer Küstenschutzmaßnahmen? State Agency for Agriculture, Environment and Rural Areas, Flintbek, Germany  
(title: *Dikes and seagrass – is seagrass a suitable model organisms for the ecological success of alternative coastal protection measures*)
- *Annual reports from 2008 to 2010 and since 2012:*  
Dolch, T., Buschbaum, C. and Reise, K.: Seegras-Monitoring im Schleswig-Holsteinischen Wattenmeer - Forschungsbericht zur Bodenkartierung von Seegrasbeständen in ausgewählten Gebieten. State Agency for Agriculture, Environment and Rural Areas, Flintbek, Germany  
(title: *Seagrass Monitoring in the Schleswig-Holstein Wadden Sea - Research report on field surveys of seagrass stocks in selected areas*)
- *Annual reports since 2016:*  
Dolch, T., Buschbaum, C. and Reise, K.: Vorkommen von Grünalgen und Seegras im Nationalpark Schleswig-Holsteinisches Wattenmeer. Schleswig-Holstein's Government-Owned Company for Coastal Protection, National Parks and Ocean Protection – National Park Administration, Tönning, Germany  
(title: *Occurrence of green algae and seagrass in the Schleswig-Holstein Wadden Sea National Park*)
- Dolch, T., Folmer, E.O., Frederiksen, M.S., Herlyn, M., van Katwijk, M.M., Kolbe, K., Krause-Jensen, D., Schmedes, P. and Westerbeek, E.P. (2017): Seagrass. In: *Wadden Sea Quality Status Report 2017*. Eds.: Klöpffer, S. et al., Common Wadden Sea Secretariat, Wilhelmshaven, Germany. Last updated 21.12.2017. Downloaded 26th September 2018. <https://qsr.waddensea-worldheritage.org/reports/seagrass>
- Folmer, E., van Beusekom, J.E.E., Dolch, T., Gräwe, U., van Katwijk, M.M., Kolbe, K. and Philippart, C.J.M. (2016): Consensus Forecasting of Intertidal Seagrass Habitat in the Wadden Sea. *Journal of Applied Ecology*, doi: 10.1111/1365-2664.12681
- Schumacher, J., Dolch, T. and Reise, K. (2014): Transitions in sandflat biota since the 1930s: Effects of sea level rise, eutrophication and biological globalization in the tidal bay Königshafen, northern Wadden Sea. *Helgoland Marine Research* 68, 289-298

- Schürch, M., Dolch, T., Reise, K. and Vafeidis, A.T. (2014): Unravelling the interactions between salt marsh evolution and sedimentary processes in the Wadden Sea (southeastern North Sea). *Progress in Physical Geography* 38 (6), 691–715
- Varjopuro, R., Andrulewicz, E., Blenckner, T., Dolch, T., Heiskanen, A.-S., Pihlajamäki, M., Steiner Brandt, U., Valman, M., Gee, K., Potts, T. and Psuty, I. (2014): Coping with persistent environmental problems - Systemic delays in reducing eutrophication of the Baltic Sea. *Ecology and Society* 19(4), Article Number: 48
- Dolch, T., Buschbaum, C. and Reise, K. (2014): Guidelines for seagrass monitoring and the Ecological Quality Assessment of the Schleswig-Holstein Wadden Sea. State Agency for Agriculture, Environment and Rural Areas, Flintbek, Germany
- *annual reports from 2012 to 2015:*  
Reise, K., Buschbaum, C. and Dolch, T.: Vorkommen von Grünalgen und Seegras im Nationalpark Schleswig-Holsteinisches Wattenmeer. Schleswig-Holstein's Government-Owned Company for Coastal Protection, National Parks and Ocean Protection – National Park Administration, Tönning, Germany  
(*title: Occurrence of green algae and seagrass in the Schleswig-Holstein Wadden Sea National Park*)
- Dolch, T., Buschbaum, C. and Reise, K. (2013): Persisting intertidal seagrass beds in the northern Wadden Sea since the 1930s. *Journal of Sea Research* 82, 134–141
- Dolch, T. (2010): Coarsening of tidal flat sediments - long-term mud depletion in a tidal bay in the northern Wadden Sea (SE North Sea). In: Schwarzer, K., Schrottke, K. and Stattegger, K. (Eds.): *From Brazil to Thailand – New Results, Coastline Reports* 16, 59-62
- Thieltges, D.W., Dolch, T., Krakau, M. and Poulin, R. (2010.): Salinity gradient shapes distance decay of similarity among parasite communities in three marine fishes. *Journal of Fish Biology* 76, 1806–1814
- Dolch, T. and Reise, K. (2010): Long-term displacement of intertidal seagrass and mussel beds by expanding large sandy bedforms in the northern Wadden Sea. *Journal of Sea Research* 63, 93–101
- Dolch, T. (2010): Analysis of long-term changes of a sandy shoreline utilising high-resolution aerial photography. In: Green, D.R. (Eds.): *Coastal and Marine Geospatial Technologies, Coastal Systems and Continental Margins* 23, 187-196
- van der Graaf, S., Jonker, I., Herlyn, M., Kohlus, J., Fogh Vinther, H., Reise, K., de Jong, D., Dolch, T., Bruntse, G. and de Vlas, J. (2009): Seagrass. Thematic Report No. 12. In: Marencic, H. & Vlas, J. de (Eds.), 2009. *Quality Status Report 2009. WaddenSea Ecosystem No. 25. Common Wadden Sea Secretariat, Trilateral Monitoring and Assessment Group, Wilhelmshaven*
- Dolch, T. (2008): High-resolution spatial analysis of morphodynamics and habitat changes in the Wadden Sea (SE North Sea), Dissertation, Christian-Albrechts University Kiel (CAU)
- Dolch, T. and Hass, H.C. (2008): Long-term changes of intertidal and subtidal sediment compositions in a tidal basin in the northern Wadden Sea (SE North Sea). *Helgoland Marine Research*, 62, 3-11
- Dolch, T. (2007): Erfassung und Quantifizierung morphologischer Langzeitveränderungen im Wattenmeer mit GIS. In: Traub, K. P. and Kohlus, J. (Eds.): *Geoinformationen für die Küstenzone*, 207–216  
(*title: Recording and quantification of morphological long-term changes in the Wadden Sea with GIS*)
- Dolch, T. (2007): Remote sensing of dynamic shores. *Coastline*, 16 (1), 13
- Löbl, M., Dolch, T. and van Beusekom, J.E.E. (2007): Annual dynamics of pelagic primary production and respiration in a shallow coastal basin. *Journal of Sea Research*, 58 (4), 269-282
- Dolch, T. (2006): The use of high-resolution aerial photographs and Digital Elevation Models for spatial analyses and 3D-quantification of coastline changes at dynamic shores. *Forschungszentrum Terramare Berichte*, 16, 16–21

- Schernewski, G. and Dolch, T. (Eds.) (2004): Geographie der Meere und Küsten – Ergebnisse der 22. Jahrestagung des Arbeitskreises „Geographie der Meere und Küsten“ in Warnemünde, 28th – 30th April 2004, Coastline Reports, 1  
(title: *Geography of seas and coasts - Results of the 22nd annual meeting of the working group "Geography of seas and coasts"*)
- Schernewski, G. and Dolch, T. (Eds.) (2004): The Oder Estuary - against the background of the European Water Framework Directive, Meereswissenschaftliche Berichte, 57
- Dolch, T. (2004): Die Auswirkungen der Wasserqualität auf den Tourismus - Eine Studie am Beispiel des Oderästuars. In: Schernewski, G. and Dolch, T. (Eds.): The Oder Estuary - against the background of the European Water Framework Directive, Meereswissenschaftliche Berichte, 57, 223-288  
(title: *The impact of water quality on tourism – a case study at the Oder Estuary*)
- Dolch, T. and Schernewski, G. (2003): Hat Wasserqualität eine Bedeutung für Touristen? Eine Studie am Beispiel des Oderästuars. In: Daschkeit, A. and H. Sterr (Eds.): Berichte, Forschungs- und Technologiezentrum Westküste der Universität Kiel – Aktuelle Ergebnisse der Küstenforschung. 20. AMK-Tagung Kiel, 30th May – 1st June 2002, Nr. 28, Büsum, 197-205  
(title: *Does water quality have a significance for tourists? – a case study at the Oder Estuary*)
- Dolch, T. and Schernewski, G. (2002): Eutrophication by the Odra River: implications for tourism and sustainable development of the coastal zone. In Bernardini, F. et al. (Eds.): Sustainable Management of Transboundary Waters in Europe - The Second International Conference, UNECE, 21st – 24th April 2002. Miedzzydroje, Poland, 449-452

## Presentations

- Dolch, T., Buschbaum, C. and Reise, K. (2019): Die Auswirkungen der Eutrophierung auf das Vorkommen und die Entwicklung der Seegrasbestände im Wattenmeer. Referent im Meeresschutzseminar des BUNDCampus at Christian-Albrechts University Kiel (CAU), 07th December 2019, Kiel, Germany  
*(Title: The effects of eutrophication on the occurrence and development of seagrass stocks in the Wadden Sea. Part of the BUNDCampus seminar on marine protection)*
- Dolch, T., Buschbaum, C. and Reise, K. (2019): Subsequent shift in seagrass species composition through seagrass recovery in the northern European Wadden Sea. 25th Biennial CERF (Coastal & Estuarine Research Federation) Conference, 05th November 2019, Mobile, Alabama, USA
- Dolch, T., Buschbaum, C. and Reise, K. (2019): *Zostera* als Indikator im Wattenmeer. Symposium of the State Agency for Agriculture, Environment and Rural Areas, 05th March 2019, Flintbek, Germany  
*(title: Zostera as an indicator in the Wadden Sea)*
- Dolch, T., Buschbaum, C. und Reise, K. (2019): Seegras-Monitoring im Auftrag von LLUR und LKN-NPV. Workshop „Exchange of expertise on seagrass“ at the State Agency for Agriculture, Environment and Rural Areas, 31st January 2019, Flintbek, Germany  
*(title: Seagrass monitoring on behalf of the State Agency for Agriculture, Environment and Rural Areas and the Schleswig-Holstein's Government-Owned Company for Coastal Protection, National Parks and Ocean Protection – National Park Administration)*
- Dolch, T., Buschbaum, C. and Reise, K. (2019): Seagrass and dikes. Workshop „Exchange of expertise on seagrass“ at the State Agency for Agriculture, Environment and Rural Areas, 31st January 2019, Flintbek, Germany
- Dolch, T., Buschbaum, C. and Reise, K. (2018): The monitoring of seagrass and its development in the Schleswig-Holstein Wadden Sea. International Workshop „Seagrass in North-Western Europe“ at Christian-Albrechts University Kiel (CAU), 03rd December 2018, Kiel, Germany
- Dolch, T., Buschbaum, C. and Reise, K. (2018): Vorkommen und Entwicklung der Seegrasbestände im Schleswig-Holsteinischen Wattenmeer. Referent im Fortbildungsseminar des Bundesfreiwilligendienstes, 24th September 2018, Hallig Hooge, Germany  
*(title: Occurrence and development of seagrass stocks in the Schleswig-Holstein Wadden Sea. Part of a further training seminar of the Federal Voluntary Service)*
- Dolch, T., Buschbaum, C. and Reise, K. (2017): Seagrass recovery in the Wadden Sea - a prime example of a successful science-stakeholder cooperation. Annual Meeting of „Polar region And Coasts in the changing Earth System“ (PACES II), 15th – 16th February 2017, Hamburg, Germany
- Dolch, T., Buschbaum, C. and Reise, K. (2016): To the limit - Recovery of intertidal seagrass beds reaches its optimum in the northern Wadden Sea (coastal North Sea). 12th International Seagrass Biology Workshop, 16th – 21st October 2016, Nant Gwrtheyrn, UK
- Dolch, T., Buschbaum, C. and Reise, K. (2016): Complementary monitoring methods for large-area surveys of intertidal seagrass beds. GEOHAB 2016 – Marine Geological and Biological Habitat Mapping, 02nd – 06th May 2016, Winchester, UK
- Dolch, T., Buschbaum, C. and Reise, K. (2016): Die langfristige Seegrassituation im Schleswig-Holsteinischen Wattenmeer aus der Vogelperspektive. Symposium of the State Agency for Agriculture, Environment and Rural Areas, 08th March 2016, Flintbek, Germany  
*(title: Long-term situation of seagrass in the Schleswig-Holstein Wadden Sea from a bird's eye view)*
- Dolch, T., Buschbaum, C. and Reise, K. (2015): Veränderungen der intertidalen Seegrassvorkommen im Grenzgebiet Nordfriesland-Dithmarschen. Symposium of the State Agency for Agriculture, Environment and Rural Areas, 05th March 2015, Flintbek, Germany  
*(title: Changes in intertidal seagrass beds in the border region Northfrisian-Dithmarscher Wadden Sea)*

- Dolch, T., Buschbaum, C. and Reise, K. (2014): Development and management of the last migrating inland sand dunes on the island of Sylt (SE coastal North Sea). Littoral 2014 – Facing Present and Future Coast Challenges, 22nd – 26th September 2014, Klaipeda, Lithuania
- Dolch, T., Buschbaum, C. and Reise, K. (2014): Langzeitveränderungen intertidaler Seegrasbestände im Schleswig-Holsteinischen Wattenmeer und darüber hinaus. Symposium of the State Agency for Agriculture, Environment and Rural Areas, 26th March 2014, Flintbek, Germany  
(*title: Long-term development of intertidal seagrass beds in the Schleswig-Holstein Wadden Sea and beyond*)
- Dolch, T., Buschbaum, C. and Reise, K. (2014): Down and up – Long-term development of intertidal seagrass beds in the central and northern Wadden Sea (coastal North Sea) since the 1930s. Seagrasses in Europe – Threats, Responses and Management, 4th – 6th March 2014, Olhão, Portugal
- Dolch, T., Buschbaum, C. and Reise, K. (2013): Die Entwicklung intertidaler Seegrasbestände im nördlichen Wattenmeer in den letzten 80 Jahren. 31st annual symposium of the research group 'Geography of Oceans and Coasts', 18th – 21st April 2013, Cologne, Germany  
(*title: Development of intertidal seagrass beds in the northern Wadden Sea in the last 80 years*)
- Dolch, T., Buschbaum, C. and Reise, K. (2013): Schleswig-Holstein Wadden Sea Assessment of Phytobenthos (SHWAP) – die ersten 6 Jahre. Symposium of the State Agency for Agriculture, Environment and Rural Areas, 19th March 2013, Flintbek, Germany  
(*title: Schleswig-Holstein Wadden Sea Assessment of Phytobenthos (SHWAP) – the first 6 years*)
- Dolch, T., Buschbaum, C. and Reise, K. (2013): Die Beständigkeit eulitoraler Seegraswiesen im nördlichen Wattenmeer seit den 1930er Jahren. Einladung zum Dialog: Küstenforschung, Küstennutzung und Küstenschutz, 4th – 6th March 2013, Hamburg, Germany  
(*title: Persistency of intertidal seagrass beds in the northern Wadden Sea since the 1930s*)
- Dolch, T., Buschbaum, C. and Reise, K. (2012): Monitoring von Seegras und Grünalgen zur Bewertung des Schleswig-Holsteinischen Wattenmeeres, Symposium of the State Agency for Agriculture, Environment and Rural Areas, 15th March 2012, Flintbek, Germany  
(*title: Monitoring of seagrass and macro algae for an assessment of the Schleswig-Holstein Wadden Sea*)
- Dolch, T., Buschbaum, C. and Reise, K. (2011): Persisting intertidal seagrass beds in the northern Wadden Sea since the 1930s, International Symposium on the Ecology of the Wadden Sea, 10th – 14th October 2011, Texel, Netherlands
- Dolch, T. and Schwarzer, K. (2011): Sediment distribution pattern and sorted bedforms on the North Sea shelf offshore the island of Sylt. 29th annual symposium of the research group 'Geography of Oceans and Coasts', 28th – 30th April 2011, Bremen, Germany
- Dolch, T. and Reise, K. (2010): The impact of large sandy bedforms on intertidal mussel beds, Workshop Mosselwad, 11th – 12th March 2010, Texel, Netherlands
- Dolch, T., Buschbaum, C. and Reise, K. (2010): Makrophytenmonitoring und Bewertung im Wattenmeer, Symposium of the State Agency for Agriculture, Environment and Rural Areas, 9th March 2010, Flintbek, Germany  
(*title: Monitoring and assessment of macrophytes in the Wadden Sea*)
- Dolch, T. and Reise, K. (2009): Long-term spatial development of large sandy bedforms and intertidal seagrass beds in the northern Wadden Sea, Coastal Ecology Workshop, 19th – 21st November 2009, Westerhever, Germany
- Dolch, T. (2009): Seagrass monitoring in the Schleswig-Holstein Wadden Sea, International Workshop on Research on Tropical and Temperate Seagrass Ecosystems, 28th September – 1st October 2009, List / Sylt, Germany
- Dolch, T. (2008): Long-term spatial development pattern of intertidal seagrass beds in the Wadden Sea (SE North Sea), Littoral 2008, 25th – 28th November 2008, Venice, Italy

- Dolch, T. and Hass, H. C. (2007): Change of intertidal and subtidal sediments monitored in time-series investigations from the Königshafen (Sylt, SE North Sea), Workshop on long-term ecological change in the Northern Wadden Sea, 12th – 23rd February 2007, List / Sylt, Germany
- Dolch, T. (2006): Der Einsatz von GIS zur Erfassung und Quantifizierung von morphologischen Langzeit-Veränderungen im Wattenmeer. Geo information for the coastal zone, 28th – 29th November 2006, HafenCity University Hamburg, Germany  
(*title: The use of GIS for the detection and quantification of long-term changes in the Wadden Sea*)
- Dolch, T. and Hass, H.C. (2006): High-resolution spatial analysis of morphodynamics and habitat changes in the North Sea. Midterm evaluation of the Alfred Wegener-Institute, Helmholtz Centre for Polar and Marine Research, 22nd – 23rd May 2006, Bremerhaven, Germany
- Dolch, T. (2006): Hochauflösende Analyse der Veränderung der Küstenlinie im Wattenmeer. 24th annual symposium of the research group 'Geography of Oceans and Coasts', 27th – 29th April 2006, Wilhelmshaven, Germany  
(*title: High-resolution analysis of coastline changes in the Wadden Sea*)
- Dolch, T. (2006): High-resolution analysis of coastline changes in the south-eastern North Sea. Coast symposium of the Helmholtz research program MARCOPOLI, 16th – 17th February 2006, Hamburg, Germany
- Dolch, T. (2005): High-resolution analysis of coastal changes in the south-eastern North Sea. CoastGIS'05, 21st – 23rd July 2005, Aberdeen, UK
- Dolch, T. (2005): Development of a sandy barrier island. Ecology between the tides VI (workshop), 16th – 18th March 2005, List / Sylt, Germany
- Dolch, T. (2004): High-resolution spatial analysis of morphodynamics and habitat changes in the Wadden Sea. Ecology between the tides V (workshop), 24th – 27th March 2004, List / Sylt, Germany



## Posters

- Dolch, T., Buschbaum, C. and Reise K. (2020): Die Entwicklung von Seegraswiesen im Wattenmeer und ihre Bedeutung im Klimawandel. Im Rahmen des Fachgesprächs der Grünen Bundestagsfraktion zum Thema: Moore, Wälder, Seegraswiesen - Ökosysteme und ihre Rolle im Kampf gegen die Klimakrise, 10th February 2020, Berlin, Germany  
*(title: The development of seagrass beds in the Wadden Sea and their significance for climate change. Part of the discussion of the Green parliamentary group on the topic: Moors, forests, seagrass beds - ecosystems and their role in the fight against the climate crisis)*
- Dolch, T., Buschbaum, C. and Reise K. (2019): 80 years of up-and-down-development of location-loyal intertidal seagrass beds in the Northern Wadden Sea. As part of the Institute's tour for Ms Gesine Meißner (MEP) and her delegation at the Wadden Sea Station Sylt, 15th March 2019, List / Sylt, Germany
- Dolch, T., Buschbaum, C. and Reise K. (2013): Decline, recovery, and site persistence of intertidal seagrass beds in the Northern Wadden Sea (SE North Sea) since the 1930s. European Geosciences Union - General Assembly 2013, 07th – 12th April 2013, Vienna, Austria
- Dolch, T. (2009): Coarsening of tidal flat sediments - long-term mud depletion in a tidal bay in the northern Wadden Sea (SE North Sea). 27th annual symposium of the research group 'Geography of Oceans and Coasts', 24th – 26th April 2009, Kiel, Germany
- Dolch, T. (2009): The loss of an island – GIS-based analysis of the fate of Jordsand. 12th International Scientific Wadden Sea Symposium – Science for Nature Conservation and Management, 30th March – 3rd April 2009, Wilhelmshaven, Germany
- Dolch, T. and Reise K. (2008): The last migrating sand dunes on the island of Sylt. Trilateral Conference on Dune Management (National Park Administration Lower Saxon Wadden Sea and the Common Wadden Sea Secretariat), 28th August 2008, Wilhelmshaven, Germany
- Dolch, T. and Hass, H. C. (2007): Time-series observations of tidal sediments indicate hydrodynamic change in the northern Wadden Sea (SE North Sea). 97th Annual GV Meeting and International Conference of the Geological Association, 01st – 5th October 2007, Bremen, Germany
- Hass, H. C., Betzler, C., Dolch, T., Gebhardt, C., Grundmann, J., Kopsch, C., Lindhorst, S. and Niessen, F. (2007): A multidisciplinary geoscientific approach to investigate sediment dynamics in the Sylt-Rømø tidal basin (SE North Sea). 2nd International Alfred Wegener Symposium, 30th October – 2nd November 2007, Bremerhaven, Germany
- Dolch, T. and Hass, H. C. (2004): Development of a dynamic barrier island (Sylt, eastern North Sea) based on high-resolution aerial photographs and GIS, AGU Fall Meeting, 13th – 17th December 2004, San Francisco, USA
- Dolch, T. and Schernewski, G. (2002): Hat Wasserqualität eine Bedeutung für Touristen? Eine Studie am Beispiel des Oderästuars. 20th annual symposium of the research group 'Geography of Oceans and Coasts', 30th May – 01st June 2002, Kiel, Germany  
*(title: Does water quality have a significance for tourists? – a case study at the Oder Estuary)*
- Dolch, T. and Schernewski, G. (2002): Eutrophication by the Odra River: implications for tourism and sustainable development of the coastal zone. International Conference 'Sustainable Management of Transboundary Waters in Europe', UNECE, 21st – 24th April 2002, Miedzyzdroje, Poland