

Publications issued from ICDP-related research (2005-2012)

(Swiss science community members in **bold**; older references used to develop ICDP projects in grey)

Abrantes, F., Voelker, A., Sierro, F., Naughton, F., Rodriguez, T., Cacho, I., **Ariztegui, D.**, Brayshaw, D., Sicre, M-A & Batista, L., 2012, Paleoclimate variability in the Mediterranean region (chapter 1). In P. Lionello (edt.), The Climate of the Mediterranean Region-From the past to the future (1st Edition). Elsevier (ISBN: 9780124160422), 592p.

Albrecht, A., **Vogel, H.**, Hauffe, T., Wilke, T., 2010, Sediment core fossils in ancient Lake Ohrid: testing for faunal change since the Last Interglacial. *Biogeosciences*, 7, 3435-3446.

Al Lawati, W.M. Rizoulis, A., Eiche, E., Boothman, C., Polya, D.A., Lloyd, J.R., **Berg, M.**, Vasquez-Aguilar, P., van Dongen, B.E., 2012, Characterisation of organic matter and microbial communities in contrasting arsenic-rich Holocene and arsenic-poor Pleistocene aquifers, Red River Delta, Vietnam. *Applied Geochemistry* 27, 315-325 (doi:10.1016/j.apgeochem.2011.09.030).

Anselmetti, F.S., Drescher-Schneider, R., **Furrer, H.**, **Graf, H.-R.**, **Lowick, S.**, **Preusser, F.** and **Riedi, M.A.**, 2010, A ~180'000 years sedimentation history of a perialpine overdeepened glacial valley (Wehntal, N-Switzerland): *Swiss Journal of Geosciences* 103, 345-361. DOI: 10.1007/s00015-010-0041-1.

Anselmetti, F.S., **Ariztegui, D.**, De Batist, M., Gebhardt, C., Haberzettl, T., Niessen, F., Ohlendorf, C. and Zolitschka, B., 2009, Environmental history of southern Patagonia unravelled by the seismic stratigraphy of Laguna Potrok Aike: *Sedimentology* 56, 873-892.

Anselmetti, F.S., **Ariztegui, D.**, **Haug, G.**, **Kipfer, R.** and **Sturm, M.**, 2008, Kontinentale Tiefbohrungen mit Internationaler Zusammenarbeit: *Geosciences Actuel* 2, 26-28.

Anselmetti, F.S., **Ariztegui, D.**, Brenner, M., Hodell, D., and Rosenmeier, M.F., 2007, Quantification of soil erosion rates related to ancient Maya deforestation: *Geology* 35, 915-918.

Anselmetti, F.S., **Ariztegui, D.**, Hodell, D.A., Hillesheim, M., Brenner, M., **Gilli, A.**, **McKenzie, J.A.**, **Mueller, A.D.**, 2006, Late Quaternary climate-induced lake level variations in Lake Petén Itzá, Guatemala, inferred from seismic stratigraphic analysis: *Palaeogeography, Palaeoclimatology, Palaeoecology*, 230, 52-69.

Ariztegui, D., **Gilli, A.**, **Anselmetti, F.S.**, Goñi, R., Belardi, J.B. & Espinosa, S., 2010, Lake level changes in central Patagonia (Argentina): Crossing environmental thresholds for Late Glacial and Holocene human occupation. *Journal of Quaternary Science* 25/7, 1092-1099 (doi:10.1002/jqs.1352).

Ariztegui, D., **Anselmetti, F. S.**, **Gilli, A.** & **Waldmann, N.**, 2008, Late Pleistocene environmental changes in Patagonia and Tierra del Fuego - A limnogeological approach. In: J. Rabassa (Ed.), *The Late Cenozoic of Patagonia and Tierra del Fuego. Developments in Quaternary Sciences Series* 11, 241-253. ISSN 1571-0866. Elsevier Science.

Ariztegui, D., Bianchi, M. M., Masaferro, J., Lafargue, E. & Niessen, F., 1997, Interhemispheric synchrony of Late-glacial climatic as recorded in proglacial Lake Mascardi, Argentina. *Journal of Quaternary Sciences* 12/4, 333-338.

Bakke, J., Lie, Ø., Heegaard, E., Dokken, T., **Haug, G.H.**, Birks, H.H., Dulski, P. & Nilsen, T., 2009, Rapid oceanic and atmospheric changes during the Younger Dryas cold period. *Nature Geoscience* 2, 202-205

Berg, M., **Trang, P.T.K.**, **Stengel, C.**, **Buschmann, J.**; Viet, P.H., **Giger, W.**, Stüben, D., 2008, Hydrological and Sedimentary Controls Leading to Arsenic Contamination of Groundwater in the Hanoi Area, Vietnam: The Impact of Iron-Arsenic Ratios, Peat, River Bank Deposits, and Excessive Groundwater Abstraction: *Chemical Geology* 249, 91-112.

Bianchi, M.M. & **Ariztegui, D.**, 2012, Vegetation history of the Río Manso Superior catchment area, Northern Patagonia (Argentina), since the last deglaciation. *The Holocene* 22/11, 1283-1295 (doi:10.1177/0959683611405083).

Brauer, A., **Haug, G.H.**, Dulski, P., Sigman, D.M. & Negendank J.F.W., 2008, An abrupt wind shift in western Europe at the onset of the Younger Dryas cold period. *Nature Geoscience* 1, 520-523.

Brennwald, M. S., Peeters, F., Imboden, D. M., Giralt, S., Hofer, M., Livingstone, D. M., Klump, S., Strassmann, K., and Kipfer, R., 2004, Atmospheric noble gases in lake sediment pore water as proxies for environmental change. *Geophysical Research Letters* 31, L04202.

Buschmann, J. and Berg, M., 2009, Impact of sulfate reduction on the scale of arsenic contamination in groundwater of the Mekong, Bengal and Red River deltas: *Appl. Geochem.*, 24, 1278-1286.

Bush, M.B., Correa-Metrio, A., Hodell D.A., Brenner, M., **Anselmetti, F.S., Ariztegui, D., Mueller, A.D.**, Curtis, J.H., Grzesik, D., Burton, C., and **Gilli, A.**, 2009, Re-evaluation of climate change in lowland Central America during the Last Glacial Maximum using new sediment cores from Lake Petén Itzá, Guatemala: in Vimeux, F., Sylvestre, F. and Khodri, M. (eds.), *Past Climate Variability in South America and Surrounding Regions: Developments in Paleoenvironmental Research*, Springer, 14, 113-126.

Cusminsky, G., Schwalb, A., Perez, A., Pineda, D., Viehberg, F., Whatley, R., Markgraf, V., **Gilli, A., Ariztegui, D. & Anselmetti, F.S.**, 2011. Late Quaternary environmental changes in Patagonia as inferred from lacustrine fossil and extant ostracodes. *Biological Journal of the Linnean Society* 103, 397-408.

Dehnert A., Lowick S.E., Preusser F., Anselmetti F.S., Drescher-Schneider R., Graf H.R., Heller F., Horstmeyer H., Kemna H.A., Nowaczyk N.R., Züger A., Furrer H., 2012, Evolution of an overdeepened trough in the northern Alpine Foreland at Niederweningen, Switzerland: *Quaternary Science Reviews* 34, 127-145. DOI: 10.1016/j.quascirev.2011.12.015.

Dupuy D. 2006. Etude des sédiments quaternaires, de la Molasse et sa tectonique, dans le Grand Lac (Léman) à partir de données sismiques 2D et 3D. Faculté des géosciences et de l'environnement. Université de Lausanne, Lausanne, p. 239.

Escobar, J., Hodell, D.A., Brenner, M., Curtis, J.H., **Gilli, A., Mueller, A.D., Anselmetti, F.S., Ariztegui, D.**, Grzesik, D.A., Pérez, L., Schwalb, A., Guilderson, T. J., 2012, A 43-ka record of paleoenvironmental change in the Central American lowlands inferred from stable isotopes of lacustrine ostracods. *Quaternary Science Reviews* 37, 92-104 (doi:10.1016/j.quascirev. 2012.01. 020).

Gebhardt A.C., Ohlendorf, C. Niessen, F., De Batist, M., **Anselmetti, F.S., Ariztegui, D.**, Kliem, P., Wastegard, S., Zolitschka, B., 2012, Seismic evidence of up to 200 m lake-level change in Southern Patagonia since Marine Isotope Stage 4: *Sedimentology* 59, 1087-1100.

Gebhardt A.C., De Batist, M., Niessen, F., **Anselmetti, F.S., Ariztegui, D.**, Haberzettl, T., Kopsch. C., Ohlendorf, C. and Zolitschka, B., 2011, Deciphering lake and maar geometries from seismic refraction and reflection surveys in Laguna Potrok Aike (southern Patagonia, Argentina): *Journal of Volcanology and Geothermal Research* 201, 357-363.

Gilli, A., Ariztegui, D., Anselmetti, F. S., McKenzie, J. A., Markgraf, V., Hajdas, I. & McCulloch, R. D., 2005. Mid-Holocene strengthening of the southern westerlies in South America – Sedimentological evidences from Lago Cardiel, Argentina (49°S). *Global and Planetary Change* 49, 75-93.

Girardclos S., Hilbe M., Corella J.P., Loizeau J.-L., Kremer K., DelSontro T., Arantegui A., Moscariello A., Arlaud F., Akhtman Y, Anselmetti F.S. and Lemmin U. 2012. Searching the Rhone delta channel in Lake Geneva since François-Alphonse Forel. *Archives des Sciences* 65: 103-118.

Girardclos S., Rachoud-Schneider A.-M., Fiore J. and Brutsch N., 2010. Rhone glacier last deglaciation in western Lake Geneva from seismic reflection and sedimentary data. AGU Fall meeting, San Francisco (USA), pp. PP21A-1666.

Girardclos S., 2009. Traversée du Petit-Lac: Acquisition de données par sismique réflexion haute résolution. Mandat pour De Cerenville SA et DCTI Office de génie civil Etat de Genève. Institut F.-A. Forel, Versoix, p. 34.

Haberzettl, T., **Anselmetti, F.S.**, Bowen, S.W., Fey, M., Mayr, C., Zolitschka, B., **Ariztegui, D.**, Mauz, B., Ohlendorf, C., Kastner, S., Lücke, A., Schäbitz, F. and Wille, M., 2009, Late Pleistocene dust deposition in the Patagonian steppe - extending and refining the paleoenvironmental and tephrachronological record from Laguna Potrok Aike back to 55 ka: *Quaternary Science Reviews* 28, 2927-2939.

Haberzettl, T., Kück, B., **Anselmetti, F.S., Ariztegui, D.**, Fey, M., Janssen, A., Lücke, A., Mayr, C., Ohlendorf, C., Schäbitz, F., Schleser, G.H., Wille, M., Wulf, S. and Zolitschka, B., 2008, Hydrological variability in southeastern Patagonia and explosive volcanic activity in the southern Andean Cordillera during Oxygen Isotope Stage 3 and the Holocene inferred from lake sediments of Laguna Potrok Aike, Argentina: *Palaeogeography, Palaeoclimatology, Palaeoecology* 259, 213-229.

- Hodell, D.A., Turchyn, A.V., Wiseman, C.J., Escobar, J., Curtis, J.H., Brenner, M., **Gilli, A.**, **Mueller, A.D.**, **Anselmetti, F.S.**, **Ariztegui, D.** and Brown, E., 2012, Late Glacial temperature and precipitation changes in the lowland Neotropics by tandem measurements of δ O18 in biogenic carbonate and gypsum hydration water: *Geochimica et Cosmochimica Acta* 77, 352-368.
- Hodell, D.A., **Anselmetti, F.S.**, **Ariztegui, D.**, Brenner, M., Curtis, J.H., Escobar, J., **Gilli, A.**, Grzesik, D.A., Guilderson, T.J., Kutterolf, S. and **Müller, A.D.**, 2008, An 85-ka record of climate change in lowland Central America: *Quaternary Science Reviews* 27, 1152-1165.
- Hodell, D., **Anselmetti, F.S.**, Brenner, M., **Ariztegui, D.** and the PISDP Scientific Party, 2006a, The Lake Petén Itzá Scientific Drilling Project: *Scientific Drilling* 3, 25-29.
- Hodell, D., **Anselmetti, F.S.**, **Ariztegui, D.**, Brenner, M., Curtis, J., and the PISDP Scientific Party, 2006b, 1.3 km of sediment recovered by the Lake Petén Itzá Scientific Drilling Project: *DOSECC News* 4/1, 1-2.
- Hodell, D., **Anselmetti, F.S.**, **Ariztegui, D.**, Brenner, M., Curtis, J., and the PISDP Scientific Party, 2006c, Preliminary results of the Lake Petén Itzá Scientific Drilling Project: *DOSECC News* 4/2, 5-6.
- Hofer, M., Peeters, F., **Aeschbach-Hertig, W.**, **Brennwald, M.**, Holocher, J., **Livingstone, D. M.**, Romanovski, V., and **Kipfer, R.**, 2002, Rapid deep-water renewal in Lake Issyk-Kul (Kyrgyzstan) indicated by transient tracers. *Limnology and Oceanography* 47, 1210-1216.
- Holtvoeth, J., **Vogel, H.**, Wagner, B., Wolff, G.A., 2010, Lipid biomarkers in Holocene and glacial sediments from ancient Lake Ohrid (Macedonia, Albania). *Biogeosciences*, 7, 3473-3489.
- Holzner, C. P., **Tomonaga, Y.**, Stöckli, A., Denecke, N., and **Kipfer, R.**, 2012, Using noble gases to analyze the efficiency of artificial aeration in Lake Hallwil, Switzerland. *Water Resour. Res.*, 48, W09531.
- Huguet, C., S. Fietza, N. Moraleda, **M. Stockhecke, F.S.** **Anselmetti, M.** **Sturm**, Litt, T., Heumann, G. and Rosell-Melé, A., 2012, A seasonal cycle of terrestrial inputs in Lake Van, Turkey: *Environmental Science and Pollution research* 19, 8, 3628-3635.
- Huguet, C., Fietz, S., **Stockhecke, M.**, **Sturm, M.**, **Anselmetti, F.S.**, and Rosell-Mele, A., 2011, Biomarker seasonality study in Lake Van, Turkey: *Organic Geochemistry* 42, 1289-1298.
- Klump, S., **Kipfer, R.**, Cirpka, O. A., Harvey, C. F., Brennwald, M. S., Ashfaque, K. N., Badruzzaman, A. B. M., Hug, S. J., and Imboden, D. M., 2006, Groundwater Dynamics and Arsenic Mobilization in Bangladesh Assessed using Noble Gases and Tritium. *Environmental Science & Technology* 40, 243-250.
- Ledru M-P, Mourguia P, Riccomini C 2009. Related changes in biodiversity, insolation and climate in the Atlantic rainforest since the last interglacial. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 271, 140-152.
- Ledru M-P, Rousseau DD, Cruz JFW, Karmann I, Riccomini C, Martin L 2005. Paleoclimate changes during the last 100 ka from a record in the Brazilian Atlantic rainforest region and interhemispheric comparison. *Quaternary Research*, 64, 444-450.
- Leng, M., Baneschi, I., Zanchetta, G., Jex, C.N., Wagner, B., **Vogel, H.**, 2010, Late Quaternary palaeoenvironmental reconstruction from Lakes Ohrid and Prespa (Macedonia/Albania border) using stable isotopes. *Biogeosciences*, 7, 3109-3122.
- Lindhorst, K., **Vogel, H.**, Hilgers, A., Zander, A., Krastel, S., Wagner, B., Wessels, M., Daut, G., 2010, Stratigraphic analysis of lake level fluctuations in Lake Ohrid: an integration of high resolution hydro-acoustic data and sediment cores. *Biogeosciences*, 7, 3531-3548.
- Litt, T., **Anselmetti, F.S.**, Baumgarten, H., **Beer, J.**, Cagatay, N., Cukur, D., Damci, E., Glombitza, C., **Haug, G.**, Heumann, G., Kallmeyer, J., **Kipfer, R.**, Krastel, S., **Kwiecien, O.**, Meydan, A.F., Orcen, S., Pickarski, N., **Randlett, M.-E.**, Schmincke, H.-U., **Schubert, C.J.**, **Sturm, M.**, Sumita, M., **Stockhecke, M.**, **Tomonaga, Y.**, Vigliotti, L., Wonik, T. and the PALEOVAN scientific team, 2012, 500'000 years of environmental history in Eastern Anatolia: The PALEOVAN drilling project: *Scientific Drilling* 14, 18-29.
- Litt, T., **Anselmetti, F.S.**, Cagatay, M.N., **Kipfer, R.**, Krastel, S. and Schmincke, H.-U., 2011, A 500,000-year-long sedimentary archive drilled in Eastern Anatolia: *Eos* 92, 477-479.
- Litt, T., Krastel, S., **Sturm, M.**, **Kipfer, R.**, Örcen, S., Heumann, G., Franz, S. O., Ülgen, U. B., and Niessen, F., 2009, 'PALEOVAN', International Continental Scientific Drilling Program (ICDP): site survey results and perspectives. *Quaternary Science Reviews* 28, 1555-1567.

- Mann, M., **Beer, J.**, Steinhilber, F., and Christl, M., 2012, ¹⁰Be in lacustrine sediments - a record of solar activity? *Journal of Atmospheric and Solar-Terrestrial Physics* 80, 92-99.
- Matter, M., Anselmetti, F.S.**, Jordanoska, B., Wagner, B., Wessels, M. and **Wüest, A.**, 2010. Carbonate sedimentation and effects of eutrophication observed at the Kališta subaqueous springs in Lake Ohrid (Macedonia). *Biogeosciences* 7, 3755-3767.
- Matzinger, A., Schmid, M.**, Veljanoska-Sarafiloska, E., Patceva, S., Guseska, D., Wagner, B., **Muller, B., Sturm, M., and Wuest, A.**, 2007, Eutrophication of ancient Lake Ohrid: global warming amplifies detrimental effects of increased nutrient inputs: *Limnol. Oceanogr.* 52, 338–353.
- Matzinger, A.**, Spirkovski, Z., Patceva, S., and **Wuest, A.**, 2006, Sensitivity of ancient Lake Ohrid to local anthropogenic impacts and global warming: *J. Great Lakes Res.*, 32, 158–179.
- Melles, M., Brigham-Grette, J., Minyuk, P.S., Nowaczyk, N.R., Wennrich, V., DeConto, R.M., Anderson, P.M., Andreev, A.A., Coletti, A., Cook, T.L., Haltia-Hovi, E., Kukkonen, M., Lozhkin, A.V., Rosén, P., Tarasov, P., **Vogel, H.**, Wagner, B., 2012, 2.8 Million Years of Arctic Climate Change from Lake El'gygytgyn, NE Russia. *Science* 337, 315-320.
- Moy, C., Dunbar, R., Guilderson, T. H., **Waldmann, N.**, Mucciarone, D., **Recasens, C.**, **Ariztegui, D.**, Austin Jr., J. A. & **Anselmetti, F. S.**, 2011. A Geochemical sedimentary record of high southern latitude Holocene climate evolution from lago Fagnano, Tierra del Fuego. *Earth and Planetary Science Letters* 32, 1-13 (doi:10.1016/j.epsl.2010.11.011).
- Mueller, A.D., Anselmetti, F.S., Ariztegui, D.A.,** Brenner, M., Hodell, D.A., Curtis, J.H., Escobar, J., **Gilli, A.**, Grzesik, D., Guilderson, T.P., Kutterolf, S., **Plotze, M.L.**, 2010a, Late Quaternary paleoenvironment of Northern Guatemala: evidence from deep drill cores and seismic stratigraphy of Lake Petén Itzá: *Sedimentology* 57, 1220-1245.
- Mueller, A.D., Islebe, G.A., Anselmetti, F.S., Ariztegui, D.,** Brenner, M., Hodell, D.A., **Hajdas, I., Hamann, Y., Haug, G.H.**, Kennett, D.J., 2010b, Recovery of the forest ecosystem in the tropical lowlands of northern Guatemala after disintegration of Classic Maya polities: *Geology* 38, 523-526.
- Mueller, A.D., Islebe, G.A., Hillesheim, M.B., Grzesik, D.A., Anselmetti, F.S., Ariztegui, D.,** Brenner, M., Curtis, J., Hodell, D., Venz, K.A., 2009, Climate drying and associated forest decline in the lowlands of northern Guatemala during the late Holocene: *Quaternary Research* 71, 133-141.
- Ndiaye, M., Davaud, E., Ariztegui, D.** & Fall, M., 2012, A Semi Automated Method for Laminated Sediments Analysis. *International Journal of Geosciences* 3, 206-210 (doi:10.4236/ijg.2012.31023).
- Piovano, E.P., **Ariztegui, D.**, Córdoba, F., Cioccale, M. & Sylvestre, F., 2009, Hydrological variability in South America below the Tropic of Capricorn (Pampas and eastern Patagonia, Argentina) during the last 13.0 ka. In: Vimeux, F., Sylvestre, F. and Khodri, M. (edts.) *Past climate variability from the Last Glacial Maximum to the Holocene in South America and Surrounding regions, Developments in Paleoenvironmental Research* 14, Springer Science and Business Media B. V., 323-351 (doi:10.1007/978-90-481-2672-9_14).
- Peeters, F., Finger, D., **Hofer, M.**, **Brennwald, M.**, **Livingstone, D. M.**, and Kipfer, R., 2003. Deep-water renewal in Lake Issyk-Kul driven by differential cooling. *Limnology and Oceanography* 48, 1419-1431.
- Recasens, C., Ariztegui, D.**, Gebhardt, C., Gogorza, C., Habersetl, T., Hahn, A., Kliem, P., Lisé-Pronovost, A., Lücke, A., Maidana, N. I., Mayr, C., Ohlendorf, C., Schäabitz, F., St-Onge, G., Wille, M., Zolitschka, B. and the PASADO Science Team, 2012, New insights into hydrological changes in Laguna Potrok Aike, Southern Patagonia, since the Late Pleistocene: the PASADO multiproxy record. *The Holocene* 22/11, 1323-1335 (doi: 10.1177/0959683611429833).
- Reed, J.M., Cvetkoska, A., Levkov, Z., **Vogel, H.**, Wagner, B., 2010, The last glacial-interglacial cycle in Lake Ohrid (Macedonia/Albania): testing diatom response to climate. *Biogeosciences*, 7, 3083-3094.
- Rosselli A. and Olivier R. 2003. Modélisation gravimétrique 2.5D et cartes des isohypses au 1:100'000 du substratum rocheux de la Vallée du Rhône entre Villeneuve et Brig (Suisse). *Eclogae Geologicae Helvetiae* 96: 21-30.
- Stein, M., Goldstein, S., Agnon, A., **Ariztegui, D.**, Brauer, A., **Haug, G.**, Ito, E. & Yasuda, Y., 2011a, Deep Drilling at the Dead Sea. *Scientific Drilling* 11, 46-47 (doi:10.2204/iodp.sd.11.04.2011).

- Stein, M., Ben-Avraham, Z., Goldstein, S. and the **DSDDP science team**, 2011b, Dead Sea Deep Cores: A Window Into Past Climate and Seismicity. *Eos* 92/49, 453-464.
- Stockhecke, M., Anselmetti, F.S., Meydan A.F., Odermatt, D. and Sturm, M.**, 2012, The annual particle cycle in Lake Van (Turkey): Palaeogeography, Palaeoclimatology, Palaeoecology 333-334, 148-159.
- Sulpizio, R., Zanchetta, G., D’Orazio, G., **Vogel, H.**, Wagner, B., 2010, Tephrostratigraphy and tephrochronology of lakes Ohrid and Prespa, Balkans. *Biogeosciences*, 7, 3273-3288.
- Tomonaga, Y., Blättler, R., Brennwald, M. S., & Kipfer, R.**, 2012, Interpreting noble-gas concentrations as proxies for salinity and temperature in the world's largest soda lake (Lake Van, Turkey). *J. Asian Earth Sci.*, 59, 99–107.
- Tomonaga, Y., Brennwald, M. S., and Kipfer, R.**, 2011a, An improved method for the analysis of dissolved noble gases in the pore water of unconsolidated sediments. *Limnol. Oceanogr.: Methods*, 9, 42–49.
- Tomonaga, Y., Brennwald, M. S., and Kipfer, R.**, 2011b, Spatial distribution and flux of terrigenic He dissolved in the sediment pore water of Lake Van (Turkey). *Geochim. Cosmochim. Acta*, 75(10), 2848–2864.
- Van Geen, A., 2011, International Drilling to Recover Aquifer Sands (IDRAs) and Arsenic Contaminated Groundwater in Asia, Workshop Report. *Scientific Drilling* 12, 49-52 (doi:10.2204/iodp.sd.12.06.2011).
- Vasconcelos, C., Postec, A., Warthmann, R., McKenzie, J.A., Anselmetti, F., Ariztegui, D. and Hodell, D.**, 2006. Geomicrobiological study of sulfur nodules forming in sediments of Lake Petén Itzá, Guatemala, *EOS Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract B13B-1089.
- Vernet J.-P., Horn R., Badoux H. and Scolari G. 1974. Etude structurale du Léman par sismique réflexion continue. *Eclogae geologicae Helvetiae* 67: 515-529.
- Verschuren, D., Sinninghe Damsté, J.S., Moernaut, J., Kristen, I., Blaauw, M., Fagot, M., **Haug, G.H.** & CHALLACEA project members, 2009, Half-precessional dynamics of monsoon rainfall near the East African equator. *Nature* 462, 637-641.
- Vigliotti, L., **Ariztegui, D.**, Guilizzoni, P. & Lami, A., 2010, Reconstructing natural and human-induced environmental change in central Italy since the late Pleistocene – The multi-proxy records from maar lakes Albano and Nemi. In: Funiciello, R. & Giordano, G. (eds): The Colli Albani Volcano. Special Publications of IAVCEI 3, 245-257. Geological Society of London (1750-8207/10/ \$15.00)
- Vuillemin, A., Ariztegui, D. & the PASADO Scientific Team**, 2012, Geomicrobiological investigations in subsaline maar lake sediments over the last 1500 years. *Quaternary Science Reviews*.
- Vuillemin, A., Ariztegui, D., Vasconcelos, C.** and the PASADO Scientific Drilling Party, 2010, Establishing sampling procedures in lake cores for subsurface biosphere studies: Assessing *in situ* microbial activity. *Scientific Drilling* 10:35-39 (doi: 10.2204/iodp.sd.10.04.2010).
- Vuillemin, A., Ariztegui, D., Pawłowski, J., Poté, J., Templer, S., Vasconcelos, C., Anselmetti, F.S. & the PASADO Science Team**, 2010, Exploring the subsurface biosphere in Lake Potrok-Aike sediments: constraining the microbial role into diagenesis, a new prospect for ICDP.Terra Nostra 2010/1, 60-61.
- Vogel, H.**, Zanchetta, G., Sulpizio, R., Wagner, B., Nowaczyk, N., 2010a, A tephrostratigraphic record for the last glacial-interglacial cycle from Lake Ohrid, Albania and Macedonia. *Journal of Quaternary Science*. 25, 320-338.
- Vogel, H.**, Wagner, B., Zanchetta, G., Sulpizio, R., Rosén, P., 2010b, A paleoclimate record with tephrochronological age control for the last glacial-interglacial cycle from Lake Ohrid, Albania and Macedonia. *Journal of Paleolimnology*, 44, 295-310.
- Vogel, H.**, Wessels, M., Albrecht, C., Stich, H.-B., Wagner, B., 2010c, Spatial variability of recent sedimentation in Lake Ohrid (Albania/Macedonia). *Biogeosciences*, 7, 3333-3342.
- Wagner, B.; Francke, A.; Sulpizio, R.; Zanchetta, G.; Lindhorst, K.; Krastel, S.; **Vogel, H.**; Daut, G.; Grazhdani, A.; Lushaj, B.; Trajanovski, S. (2012). Seismic and sedimentological evidence of an early 6th century AD earthquake at Lake Ohrid (Macedonia/Albania). *Climate of the Past Discussions*, 8, 4333-4355. <http://dx.doi.org/10.5194/cpd-8-4333-2012>
- Wagner, B., **Vogel, H.**, Zanchetta, G., Sulpizio, R., 2010, Environmental change within the Balkan region during the past ca. 50 ka recorded in the sediments from lakes Prespa and Ohrid. *Biogeosciences*, 7, 3187-3198.

- Waldmann, N., Anselmetti, F. S., Ariztegui, D.,** Austin Jr., J. A., **Pirouz, M.,** Moy, C. & Dunbar, R., 2011, Holocene mass-wasting events in Lago Fagnano, Tierra del Fuego (54°S): Implications for paleoseismicity of the Magallanes-Fagnano transform fault. *Basin Research* 23, 171–190 (doi: 10.1111/j.1365-2117.2010.00489.x).
- Waldmann, N., Ariztegui, D., Anselmetti, F. S.,** Coronato, A. & Austin Jr., 2010, Geophysical Evidence of Multiple Glacier Advances in Lago Fagnano (54°S), Southernmost Patagonia. *Quaternary Science Reviews* (doi: 10.1016/j.quascirev.2010.01.016).
- Waldmann, N., Stein, M., Ariztegui, D. & Starinsky, A.,** 2009, Stratigraphy, depositional environments, and sedimentology of the Late Pleistocene Samra Formation in the Dead Sea basin. *Quaternary Research* 72, 1-15 (doi: 10.1016/j.yqres.2009.03.005).
- Wennrich V., Francke A., Dehnert A., Juschnus O., Leipe T., Vogt C., Brigham-Grette J., Minyuk P.S., Melles M. & the Elgygytgyn Science Party, 2012, Modern sedimentation patterns in Lake El'gygytgyn, NE Russia, derived from surface sediment and inlet streams samples: *Climate of the Past Discussions* 8, 2007-2039. DOI: 10.5194/cpd-8-2007-2012.
- Winkel, L.H.E., Trang, P.T.K, Lan, V.M., Stengel, C., Amini, M., Ha, N.T., Viet, P.H., Berg, M.,** 2011, Arsenic pollution of groundwater in Vietnam exacerbated by deep aquifer exploitation for more than a century. *P. Natl. Acad. Sci. USA (PNAS)* 108, 1246–1251 (doi:10.1073/pnas.1011915108).
- Winkel, L.; Berg, M.; Amini, M.; Hug, S.J.; Johnson, A.C.,** 2008, Predicting groundwater arsenic contamination in Southeast Asia from surface parameters: *Nature Geoscience* 8, 536-542.
- Wolff, C., **Haug, G.H.,** Timmermann, A., Sinninghe Damsté, J.S., Brauer, A., Sigman, D.M., Cane, M.A., Verschuren, D., 2011, Reduced interannual rainfall variability in East Africa during the last ice age. *Science* 333, 743-747.
- Yancheva, G., Nowaczyk, N.R., Mingram, J., Dulski, P., Schettler, G., Negendank, J.F.W., Liu, J., Sigman, D.M., Peterson, L.C. & **Haug, G.H.,** 2007, Records of winter monsoon strength. *Nature* 450, E-11.
- Zolitschka, B., **Anselmetti, F., Ariztegui, D.,** Corbella, H., Francus, P., Ohlendorf, C., Schäbitz, F. and the PASADO Scientific Drilling Team, 2009, The Laguna Potrok Aike Scientific Drilling Project PASADO (ICDP Expedition 5022): *Scientific Drilling* 8, 29-34.