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Arbeitsbereich/ Field of work

- Regional Climate Modeling
- Climate Variability and Impact Assessment

CV / Lebenslauf

Jan 2010 - present	ZAMG, Climate Modeling
Apr 2006 – Dec 2009	Environmental Software and Services GmbH, Gumpoldskirchen, Austria Research Assistant, Scientific Software Developer
Mar 2002 - Feb 2005	Christian Albrechts University of Kiel, Institute for Geosciences, Germany Scientific Assistant, PhD Student in Ocean Gateways Climate Modeling group PhD Thesis: "Modelling of the Indonesian Throughflow on glacial-interglacial timescales" Final Certification: "Dr. rer. nat"
Sept 1996 - Feb 2002	University of Zagreb, Faculty of Natural Sciences and Mathematics, Croatia Student of Physics/Geophysics Diploma Thesis: "Winter thermohaline circulation and quasi-geostrophic flow of the Adriatic Sea" Final Certification: "Diplom-Ingenieur"

Publications / Publikationen

Peer reviewed literature

Kuhnt, W., Holbourn, A., Hall, R., Zuvela, M., and Käse, R. (2004): Neogene history of the Indonesian throughflow. In Clift, P.D., Wang, P., Hayes, D., and Kuhnt, W. (Eds.), *Continent-Ocean Interactions in the East Asian Marginal Seas*. Am. Geophys. Union, Geophys. Monogr., 149.

Schmittner, A., M. Sarnthein, H. Kinkel, G. Bartoli, T. Bickert, M. Crucifix, D. Crudeli, J. Groeneveld, F. Kösters, U. Mikolajewicz, C. Millo, J. Reimer, P. Schäfer, D. Schmidt, B. Schneider, M. Schulz, S. Steph, R. Tiedemann, M., Weinelt, M., Žuvela, M. (2004): Global Impact of the Panamanian Seaway Closure, EOS, 85, 526.

Grey literature

Žuvela-Aloise, M. (2005): Ph.D. thesis: Modelling of the Indonesian Throughflow on glacial-interglacial timescales, Institute for Geosciences, University of Kiel.

Fedra, K., Kubat, M. and Zuvela-Aloise, M. (2007): Web-based water resources management: economic valuation and participatory multi-criteria optimization. WATER RESOURCES MANAGEMENT 2007, IASTED Conference on Water Resources Management, August 2007, Honolulu, Hawaii, USA.

Fedra, K., and Zuvela-Aloise, M. (2009): Climate Change Scenarios and regional impacts: a case for robust adaptation strategies. Presented at the COSMOS General Assembly/MedCLIVAR workshop, FUB, Berlin, June 15-17, 2009.

Presentations / Präsentationen

Talks / Vorträge

Žuvela, M., Käse, R., Schulz, M., Schmittner, A. (2007): Impact of glacial sea-level changes on the Indonesian Throughflow. LDEO oceanography seminar, University of Columbia, New York, USA, November 17, 2004

Žuvela, M. (2005): Impact of glacial sea-level changes on the Indonesian Throughflow. Research Unit Ocean Gateways Seminar, Institute for Geosciences, Kiel, Germany, January 14, 2005

Žuvela, M., Käse, R., Schulz, M., Schmittner, A., Kösters, F. (2005): Impact of glacial sea-level changes on the Indonesian Throughflow. SFB 460 Seminar, Leibniz Institute of Marine Sciences, IFM-GEOMAR, Kiel, Germany, January 31, 2005

Žuvela, M. (2008): GIS and Environmental Management Systems, Seminar/Workshop, Faculty of Physics, University of Split, Split, Croatia, August 7, 2008 - invited

Posters / Poster

Žuvela, M., Käse, R., Schulz, M., Paul, A., Schäfer-Neth, C. (2003): Indonesian Throughflow during the Last Glacial Maximum in High-Resolution Model Simulations. EGS-AGU-EUG Joint Assembly, Nice, France, April 6-11, 2003

Žuvela, M., Käse, R., Schulz, M., Schmittner, A. (2004): Impact of sea-level changes on the Indonesian Throughflow. EGU 1st General Assembly, Nice, France, April 26-30, 2004

Žuvela, M., Käse, R., Schulz, M. (2004): Impact of glacial sea-level changes on the Indonesian Throughflow. ICP8, Biarritz, France, September 5-10, 2004

Projects / Projekte

ongoing / laufend

DATAPHEN (see ZAMG webpage)

DISTURBANCE (see ZAMG webpage)

STADTKLIMAMODELLIERUNG (see ZAMG webpage)

completed / abgeschlossen

DFG (German Research Foundation) Research Unit *Ocean Gateways* www.passagen.uni-kiel.de

Scientific Activities / Wissenschaftliche Aktivitäten

Member of COSMO-CLM Community www.clm-community.eu