

NICOLAS WALDMANN

Geologist

Charney School of Marine Sciences
Department of Marine Geosciences
University of Haifa
31905 Mt. Carmel, Israel
+972-52-5891077 (Mobile)
nwaldmann@univ.haifa.ac.il / nicolas.waldmann@gmail.com

SCHOLARLY POSITIONS AND EDUCATION

ASSISTANT PROFESSOR, Charney School of Marine Science, University of Haifa, Israel. Conducting and managing research projects, tutoring students and teaching courses at M.Sc. and Ph.D. level.	2011-present
	2009-2011
POST-DOCTORAL research scientist, University of Bergen, Norway. Conducting research projects about the geological control, characterization and quantification of natural gas hydrate off-shore Norway.	
DOCTORAL (Ph.D., Geology) Earth Sciences Section, University of Geneva, Switzerland. Dissertation topic: "Late Quaternary environmental changes in Lago Fagnano, Tierra del Fuego (54°S): Reconstructing sedimentary processes, natural hazards and paleoclimate". Advisors: Dr. D. Ariztegui & Prof. F. Anselmetti.	2004-2008
MASTER OF SCIENCE, Geology Institute of Earth Sciences, Hebrew University, Jerusalem, Israel. Thesis topic: "The Geology of the Samra Formation in the Dead Sea Basin". Advisors: Dr. M. Stein & Prof. A. Starinsky.	1999-2003
BACHELOR OF SCIENCE, Geology Institute of Earth Sciences, Hebrew University, Jerusalem, Israel.	1995-1999

PROFESSIONAL EXPERIENCE AT SEA

- 2012: Co-chief Scientist, *R/V Etziona*. 2D seismic profiling, Eastern Mediterranean, Israel.
2012: Co-chief Scientist, *R/V Shikmona*. 2D seismic profiling and gravity coring, Eastern Mediterranean, Israel.
2011: Chief Scientist, 2D seismic profiling and piston coring in Lake Chad, Chad and Cameroon.
2010: Scientist, *E/V Nautilus*. Side scan sonar & ROV sampling, East Mediterranean, Israel.
2010: Scientist, *R/V G.O Sars*. 2D seismic profiling and piston coring, West Svalbard & Knipovitch ridge, Norway.
2010: Scientist, *R/V G.O Sars*. 2D seismic profiling, gravity coring and multibeam, Troms county fjords, Norway.
2009: Scientist, *R/V Jan Mayen*. 3D seismic profiling and piston coring, Barents Sea, Norway.
2007: Chief Scientist, *R/V Neecho*. Limnological sampling, Lago Fagnano, Tierra del Fuego, Argentina.
2006: Scientist, *R/V Neecho*. Piston coring, Lago Fagnano, Tierra del Fuego, Argentina.
2005: Scientist, *R/V Neecho*. 2D seismic profiling, Lago Fagnano, Tierra del Fuego, Argentina.

PUBLICATIONS LIST (11 of 20 peer-reviewed manuscripts, only three last years)

- 11) Esteban, F.D., Tassone, A., Lodolo, A. Menichetti, M., Lippai, H., **Waldmann, N.**, Darbo, A., Baradello, L., Vilas, J. F. (2014). Basement geometry and sediment thickness of Lago Fagnano (Tierra del Fuego). *Andean Geology*, 41, 293-313.
- 10) **Waldmann, N.**, Borromei, A.M., Recasens, C., Olivera, D., Martinez, Maidana, N.I., Ariztegui, D., M.A., Austin Jr., J.A., Anselmetti, F.S., Moy, C.M., 2014. Integrated reconstruction of Holocene millennial-scale environmental changes in Tierra del Fuego, southernmost South America. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 399, 294-309.
- 9) Vasskog, K., **Waldmann, N.**, Bondevik, S., Nesje, A., Chapron, E., Ariztegui, D., 2013. Evidence for Storegga tsunami run-up at the head of Nordfjord, western Norway. *Journal of Quaternary Science*, 28(4), 391-402.
- 8) Schattner, U., Lazar, M., Harari, D., **Waldmann, N.**, 2012. Active gas venting system offshore northern Israel. *Continental Shelf Research, Continental Shelf Research*, 48, 167-172.
- 7) Vasskog, K., Nesje, A., Støren, E.N., **Waldmann, N.**, Chapron, E., Ariztegui, D., 2011. A Holocene record of snow- avalanche and flood activity reconstructed from a lacustrine sedimentary sequence in Oldevatnet, western Norway. *The Holocene*, 21/4, 597-614.

- 6) Moy, C., Dunbar, R., Guilderson, T.P., **Waldmann, N.**, Mucciarone, D.A., Recasens, C., Ariztegui, D., Austin Jr., J.A., Anselmetti, F.S., 2011. A geochemical and sedimentary record of high southern latitude Holocene climate evolution from Lago Fagnano, Tierra del Fuego. *Earth and Planetary Science Letters*, 302, 1-13.
- 5) **Waldmann , N.**, Anselmetti, F.S., Ariztegui, D., Austin Jr., J.A., Pirouz, M., Moy, C.M., 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(2), 171-190.
- 4) **Waldmann , N.**, Ariztegui, D., Anselmetti, F.S., Austin Jr., J.A., Moy, C.M., Stern, C., Recasens, C., Dunbar, R., 2010. Holocene Climatic Fluctuations and Positioning of the Southern Hemisphere Westerlies in Tierra del Fuego (54°S), Patagonia. *Journal of Quaternary Sciences*, 25(7), 1063-1075.
- 3) **Waldmann, N.**, Torfstein, A., Stein, M., 2010. Northward intrusions of low- and mid-latitude storms across the Saharo-Arabian belt during past interglacials. *Geology*, 38, 567-570.
- 2) **Waldmann, N.**, Ariztegui, D., Anselmetti, F.S., Coronato, A., Austin Jr., J.A., Moy, C.M., Dunbar, R., 2010. Evidence for Multiple Glacier Advances and Retreats in the Seismic Stratigraphy of Lago Fagnano, Tierra del Fuego. *Quaternary Science Reviews*, 29, 1188-1200.
- 1) **Waldmann, N.**, Stein M., Ariztegui, D., Starinsky A., 2009. Stratigraphy, depositional environments and lake level reconstruction of the last interglacial Lake Samra in the Dead Sea basin. *Quaternary Research*, 72, 1-15.

PROFESSIONAL SERVICES

Reviewed manuscripts for: *The Holocene*, *Brazilian Journal of Oceanography*, *Boreas*, *Marine Geology*, *Basin Research*, *Quaternary Science Reviews*, *International Journal of Earth Sciences*.

Reviewed proposals for: National Geographic Society, the National Center for Scientific Research (France), the Israeli Ministry of Infrastructure, the International Union for Conservation of Nature and UNESCO.

AWARDS AND ACKNOWLEDGEMENTS

- 2013- The Wolf Foundation **Krill Prize** for excellence in scientific achievements.
- 2012- **Invited session chair** (two sessions) at the American Geophysical Union annual meeting, San Francisco, USA.
- 2012- **Invited speaker** at the Cyprus presidency: Marie Curie Actions in horizon 2020. Nicosia, Cyprus.
- 2012- FP7- European Research Council – **CIG Marie Curie Fellowship**.
- 2011- **Invited keynote speaker** at the IAS Conference. Zaragoza, Spain.
- 2011- **Invited keynote speaker** at the ESF-MedCLIVAR Conference. Lecce, Italy.
- 2010- The Centre of Integrated Petroleum Research (**CIPR**) and Statoil grant for scientific achievements. Bergen, Norway.
- 2009- The Centre of Integrated Petroleum Research (**CIPR**) and Statoil grant for scientific achievements. Bergen, Norway.
- 2009- **Outstanding presentation award** at the AGU meeting. San Francisco, USA.
- 2008- The Ernst & Lucie Schmidheiny Foundation grant for scientific achievements.
- 2007- **Keynote speaker** at the 4th International Limnogeology Congress. Barcelona, Spain.
- 2007- «La Société de Physique et d'Histoire Naturelle de Genève» **scientific award**.
- 2003- The Israel Geological Society scientific **award** in honor of Dr. Peretz Grader.
- 2000- The **Margarethe und Walter Lichtenstein Stiftung** grant for scientific achievements.

ONGOING RESEARCH PROJECTS AND GRANTS

- 2012-2013: Mitigation of hydrocarbon-related operational failures in the East Mediterranean. 900,000£ (Wolfson Family Charitable Trust). Co-PI with Dr. Uri Schattner and Dr. Dan Tchernov (University of Haifa).
- 2012-2013: Grant for 19 licenses for Petrel software at the Seismic Interpretation Lab. 3,000,000\$ (Schlumberger). PI.
- 2012-2014: Gas seeps and submarine slides in the eastern Mediterranean: toward comprehensive geohazard prevention. 120,000€ (FP7-Marie Curie fellowship). PI.
- 2011-2014: Insight into paleoenvironmental reconstruction of the last interglacial in the Dead Sea and Jordan Valley regions. 30,000€ (Swiss National Science Foundation). Co-PI with Prof. Eric Verrecchia (University of Lausanne).
- 2010-2012: Lake Chad seismic stratigraphy (LASTRAT). 20,000€ (INSU). Co-PI with Dr. Florence Sylvestre (CEREGE).
- 2010-2014: Dead Sea International Continental Scientific Drilling Program (ICDP). 150,000 NOK (University of Bergen). Co-PI with Prof. Rob Petersen (University of Bergen).

PERSONAL DETAILS

Languages: **Spanish** mother tongue. **English** and **Hebrew** fluent spoken and written. **French** fluent spoken, proficient written. **Italian** and **Norwegian** beginner.

Date of birth: 4 February 1974