

<b>RELEVANT PUBLICATIONS ON PEER-REVIEW JOURNALS AND BOOKS</b>
--

---

**2012**


---

Lodolo, E., Baradello, L., Darbo, A., Caffau, M., Tassone, A., Lippai, H., Lodolo, A., De Zorzi, G., Grossi, M.  
Occurrence of shallow gas in the easternmost Lago Fagnano (Tierra del Fuego)  
(2012) *Near Surface Geophysics*, 10, pp.161-169, doi:10.3997/1873-0604.2011040.

Lodolo, E., Civile, D., Zanolta, C., Geletti, R.  
Magnetic signature of the Sicily Channel volcanism  
(2012) *Marine Geophysical Research*, pp. 1-12.

---

**2011**


---

Tassone, A., Santomauro, M.G., Menichetti, M., Cerredo, M.E., Lodolo, E., Remesal, M.B., Lippai, H., Hormaechea, J.L., Vilas, J.F.  
ERT imaging of a shallow basin: Eastern Lago Fagnano, Tierra del Fuego, Argentina  
(2011) *Bollettino di Geofisica Teorica ed Applicata*, 52 (1), pp. 9-21.

Zanolta, C., Lodolo, E., Lippai, H., Tassone, A., Menichetti, M., Baradello, L., Grossi, M., Hormaechea, H.L.  
Bathymetric map of Lago Fagnano (Tierra del Fuego Island)  
(2011) *Bollettino di Geofisica Teorica ed Applicata*, 52 (1), pp. 1-8.

Petrucione, E., Tassone, A., Nardi, G., Lodolo, E., Iorio, M.  
Middle Mesozoic to Present Geological Evolution of the Central-northern Sector of the Falkland/Malvinas Plateau as Inferred From Seismic Data  
(2011) Roma, November 2011 - ISSN 2239-5172 *Marine Research @ CNR. Volume DTA/06-2011*, pp. 761-772.

---

**2010**


---

Tassone, A., Santomauro, M., Menichetti, M., Cerredo, M.E., Remesal, M.B., Lippai, H., Lodolo, E., Vilas, J.F.  
Imaging subsurface lithological and structural features by resistivity tomography: North Beagle Channel (Tierra del Fuego, Argentina) [Imagen de los rasgos litológicos y estructurales del subsuelo por medio de tomografía de resistividad: Norte del Canal Beagle (Tierra del Fuego, Argentina)]  
(2010) *Revista Mexicana de Ciencias Geológicas*, 27 (3), pp. 562-572.

Civile, D., Lodolo, E., Accettella, D., Geletti, R., Ben-Avraham, Z., Deponte, M., Facchin, L., Ramella, R., Romeo, R.  
The Pantelleria graben (Sicily Channel, Central Mediterranean): An example of intraplate 'passive' rift  
(2010) *Tectonophysics*, 490 (3-4), pp. 173-183.

Lodolo, E., Tassone, A.  
Gateways and climate: The Drake passage opening  
(2010) *Bollettino di Geofisica Teorica ed Applicata*, 51 (2-3), pp. 77-88.

Lodolo, E., Civile, D., Vuan, A., Tassone, A., Geletti, R.  
The Scotia-Antarctica plate boundary from 35°W to 45°W  
(2010) *Earth and Planetary Science Letters*, 293 (1-2), pp. 200-215.

---

**2009**


---

Argnani, A., Brancolini, G., Bonazzi, C., Rovere, M., Accaino, F., Zgur, F., Lodolo, E.  
The results of the Taormina 2006 seismic survey: Possible implications for active tectonics in the Messina Straits  
(2009) *Tectonophysics*, 476 (1-2), pp. 159-169.

Lodolo, E., Menichetti, M., Guzmán-Speziale, M., Giunta, G., Zanolta, C.  
Deep structural setting of the North American-Caribbean plate boundary in eastern Guatemala  
(2009) *Geofisica Internacional*, 48 (3), pp. 263-277.

---

**2008**


---

Argnani, A., Brancolini, G., Rovere, M., Accaino, F., Zgur, F., Grossi, M., Fanzutti, F., Visnovic, P., Sorgo, D., Lodolo, E., Bonazzi, C., Mitchell, N.  
Hints on active tectonics in the southern Messina Straits: Preliminary results from the TAORMINA-2006 seismic cruise  
(2008) *Bollettino di Geofisica Teorica ed Applicata*, 49 (2), pp. 163-176.

Civile, D., Lodolo, E., Tortorici, L., Lanzafame, G., Brancolini, G.  
Relationships between magmatism and tectonics in a continental rift: The Pantelleria Island region (Sicily Channel, Italy)  
(2008) *Marine Geology*, 251 (1-2), pp. 32-46.

Tassone, A., Lodolo, E., Menichetti, M., Yagupsky, D., Vilas, J.F.  
Seismostratigraphic and structural setting of the Malvinas Basin and its southern margin (Tierra del fuego Atlantic offshore)  
(2008) *Geologica Acta*, 6 (1), pp. 55-67.

Menichetti, M., Lodolo, E., Tassone, A.  
Structural geology of the Fuegian Andes and Magallanes fold-and-thrust belt - Tierra del Fuego Island

(2008) *Geologica Acta*, 6 (1), pp. 19-42.

### 2007

Lodolo, E., Lippai, H., Tassone, A., Zanolla, C., Menichetti, M., Hormaechea, J.L.  
Gravity map of the Isla Grande de Tierra del Fuego, and morphology of Lago Fagnano  
(2007) *Geologica Acta*, 5 (4), pp. 307-314.

Bartole, R., Morelli, D., Tomasi, L., Lodolo, E., Menichetti, M., Cuppari, A.  
Seismostratigraphy and structural evolution of the Lago de Izabal Basin, Eastern Guatemala [Sismostratigrafia ed evoluzione strutturale del bacino del Lago de Izabal (Guatemala orientale)]  
(2007) *Rendiconti della Società Geologica Italiana*, 4, pp. 141-144.

Argnani, A., Brancolini, G., Rovere, M., Accaino, F., Zgur, F., Bonazzi, C., Grossi, M., Fanzutti, F., Visnovic, P., Sorgo, D., Lodolo, E., Mitchell, N.  
Hints on active tectonics in the Messina Straits and surroundings: Preliminary results from the geophysical cruise Taormina-2006 [Indizi di tettonica attiva nello Stretto di Messina e nelle aree adiacenti: Risultati preliminari della campagna geofisica Taormina-2006]  
(2007) *Rendiconti della Società Geologica Italiana*, 4, pp. 138-139.

Menichetti, M., Lodolo, E., Tassone, A., Hormaechea, J.L., Lippai, H.  
The geology of Lago Fagnano area in Tierra del Fuego (South America) [Geologia dell'area del Lago Fagnano in Terra del Fuoco (Sud America)]  
(2007) *Rendiconti della Società Geologica Italiana*, 4, pp. 251-254.

### 2006

Ben-Avraham, Z., Woodside, J., Lodolo, E., Gardosh, M., Grasso, M., Camerlenghi, A., Vai, G.B.  
Eastern Mediterranean basin systems  
(2006) *Geological Society Memoir*, 32, pp. 263-276.

Cenni, M., Menichetti, M., Mattioli, M., Lodolo, E., Tassone, A.  
Meso- and microstructural analysis of the Magallanes-Fagnano transform fault in the Andean Cordillera of the Tierra del Fuego-Argentina [Analisi meso-microstrutturale lungo la faglia trascorrente Magellano-Fagnano nella Cordigliera delle Ande in Terra del Fuoco-Argentina]  
(2006) *Rendiconti della Società Geologica Italiana*, 2, pp. 121-124.

Schreider, A.A., Schreider, A.A., Bulychev, A.A., Lodolo, E., Kashintsev, G.L.  
Transension of the Romanche transform fault  
(2006) *Oceanology*, 46 (5), pp. 683-691.

Lodolo, E., Donda, F., Tassone, A.  
Western Scotia Sea margins: Improved constraints on the opening of the Drake Passage  
(2006) *Journal of Geophysical Research B: Solid Earth*, 111 (6), art. no. B06101.

### 2005

Menichetti, M., Lodolo, E.  
The Motagua-Polochic transform fault systems and their related structures in Eastern Guatemala  
(2005) *Rendiconti della Società Geologica Italiana*, 1, pp. 132-133.

Tassone, A., Lippai, H., Lodolo, E., Menichetti, M., Comba, A., Hormaechea, J.L., Vilas, J.F.  
A geological and geophysical crustal section across the Magallanes-Fagnano fault in Tierra del Fuego  
(2005) *Journal of South American Earth Sciences*, 19 (1 SPEC. ISS.), pp. 99-109.

Geletti, R., Lodolo, E., Schreider, A.A., Polonia, A.  
Seismic structure and tectonics of the Shackleton Fracture Zone (Drake Passage, Scotia Sea)  
(2005) *Marine Geophysical Researches*, 26 (1), pp. 17-28.

Vuan, A., Lodolo, E., Panza, G.F., Sauli, C.  
Crustal structure beneath Discovery Bank in the Scotia Sea from group velocity tomography and seismic reflection data  
(2005) *Antarctic Science*, 17 (1), pp. 97-106.

### 2003

Lodolo, E., Menichetti, M., Bartole, R., Ben-Avraham, Z., Tassone, A., Lippai, H.  
Magallanes-Fagnano continental transform fault (Tierra del Fuego, southernmost South America)  
(2003) *Tectonics*, 22 (6), pp. 15-1 - 15-26.

### 2002

Lodolo, E., Camerlenghi, A., Madrussani, G., Tinivella, U., Rossi, G.  
Assessment of gas hydrate and free gas distribution on the South Shetland margin (Antarctica) based on multichannel seismic reflection data  
(2002) *Geophysical Journal International*, 148 (1), pp. 103-119.

Lodolo, E., Menichetti, M., Tassone, A., Geletti, R., Sterzai, P., Lippai, H., Hormaechea, J.-L.  
 Researchers target a continental transform fault in Tierra del Fuego  
 (2002) *Eos*, 83 (1), pp. 1+5-6.

Lodolo, E., Menichetti, M., Tassone, A., Sterzai, P.  
 Morphostructure of the central-eastern Tierra del Fuego Island from geological data and remote-sensing images  
 (2002) *EGS Stephan Mueller Special Pub. Series*, vol. 2, pp. 1-16.

---

### 2000

---

Tinivella, U., Lodolo, E.  
 The Blake Ridge bottom-simulating reflector transect: Tomographic velocity field and theoretical model to estimate methane hydrate quantities  
 (2000) *Proceedings of the Ocean Drilling Program: Scientific Results*, 164, pp. 273-281.

Coren, F., Lodolo, E., Ceccone, G.  
 Age constraints for the evolution of the northern Powell basin  
 (2000) *Boll. Geof. Teorica ed Applicata*, 41 (3-4), pp. 193-205.

Lodolo, E., Camerlenghi, A.  
 The occurrence of BSRs on the Antarctic Margin  
 (2000) In: M.D. Max (Ed.): *Natural Gas Hydrate in Oceanic and Permafrost Environments*, Kluwer Ac. Pub., pp. 199-212.

---

### 1999

---

Trukhin, V.I., Bagin, V.I., Bagina, O.L., Zhilyaeva, V.A., Bulychev, A.A., Gilod, L.A., Liggi, M., Lodolo, E., Sciuto, F., Tomilin, E.F., Shreider, A.A.  
 Magnetism of the Bouvet mid-ocean ridge, South Atlantic  
 (1999) *Izvestiya - Physics of the Solid Earth*, 35 (1), pp. 1-15.

Lodolo, E., Coren, F., Zanolla, C.  
 The Osservatorio Geofisico Sperimentale marine magnetic surveys in the Antarctic Seas  
 (1999) *Annali di Geofisica*, 42 (2), pp. 211-214.

---

### 1998

---

Tinivella, U., Lodolo, E., Camerlenghi, A., Boehm, G.  
 Seismic tomography study of a bottom simulating reflector off the South Shetland Islands (Antarctica)  
 (1998) *Geological Society Special Publication*, (137), pp. 141-151.

Maldonado, A., Zitellini, N., Leitchenkov, G., Balanyá, J.C., Coren, F., Galindo-Zaldívar, J., Lodolo, E., Jabaloy, A., Zanolla, C., Rodríguez-Fernández, J., Vinnikovskaya, O.  
 Small ocean basin development along the Scotia-Antarctica plate boundary and in the northern Weddell Sea  
 (1998) *Tectonophysics*, 296 (3-4), pp. 371-402.

Bulychev, A.A., Gasperini, L., Gilod, D.A., Zitellini, N., Kulikov, E.Yu., Lodolo, E., Ligi, M., Mazarovich, A.O., Sokolov, S.Yu., Shreider, A.A.  
 Spreading in the eastern part of the Southwest Indian ridge from the data of detailed geomagnetic studies in the region of Bouvet island  
 (1998) *Oceanology*, 38 (3), pp. 404-410.

Trukhin, V.I., Bagin, V.I., Bagina, O.L., Zhilyaeva, V.A., Bulychev, A.A., Gilod, D.A., Lidgi, M., Lodolo, E., Sciuto, F., Shreider, A.A.  
 Ocean bottom magnetism of the southern Mid-Atlantic Ridge  
 (1998) *Izvestiya - Physics of the Solid Earth*, 34 (4), pp. 295-306.

Lodolo, E., Tinivella, U., Pellis, G., O.G.S.-Explora  
 Seismic investigation of Bottom Simulating Reflectors on the South Shetland margin  
 (1998) *Terra Antarctica Rept*, 2, pp. 71-74.

---

### 1997

---

Lodolo, E., Coren, F., Schreider, A.A., Ceccone, G.  
 Geophysical evidence of a relict oceanic crust in the southwestern Scotia Sea  
 (1997) *Marine Geophysical Researches*, 19 (5), pp. 439-450.

Bonatti, E., Bulychev, A.A., Gilod, D.A., Zitellini, N., Kulikov, E.Yu., Ligi, M., Lodolo, E., Shreider, A.A.  
 Comprehensive geomagnetic research on the Triple Junction near Bouvet Island  
 (1997) *Oceanology*, 37 (6), pp. 809-820.

Coren, F., Ceccone, G., Lodolo, E., Zanolla, C., Zitellini, N., Bonazzi, C., Centonze, J.  
 Morphology, seismic structure and tectonic development of the Powell Basin, Antarctica  
 (1997) *Journal of the Geological Society*, 154 (5), pp. 849-862.

Lodolo, E., Coren, F.  
 A Late Miocene plate boundary reorganization along the westernmost Pacific-Antarctic ridge

(1997) *Tectonophysics*, 274 (4), pp. 295-305.

Davey, F.J., Henrys, S., Lodolo, E.

A seismic crustal section across the East Cape convergent margin, New Zealand  
(1997) *Tectonophysics*, 269 (3-4), pp. 199-215.

King, E., Leitchenkov, G., Galindo-Zaldivar, J., Maldonado, A., Lodolo, E.

Crustal structure and sedimentation in Powell Basin

(1997) In: Cooper, A.K. and Barker, P. (Eds): *Geology and Seismic Stratigraphy of the Antarctic Margins*, part 2, AGU Antarctic Research Series, vol. 71, pp. 75-93.

## 1996

Lodolo, E., Schreider, A.A., Coren, F.

Sea-floor spreading in the easternmost Indian Ocean reveals cyclicity in ocean crust accretion (0-36 Ma)  
(1996) *Marine Geology*, 134 (3-4), pp. 249-261.

ODP Leg 164 Science Party

(1996) Methane gas hydrate drilled at Blake Ridge. *EOS Trans. AGU*, 77(23), 219

Paull, C.K., Matsumoto, R., Wallace, P.J., Black, N.R., Borowski, W.S., Collett, T.S., Damuth, J.E., Dickens, G.R., Egeberg, P.K., Goodman, K., Hesse, R.F., Hiroki, Y., Holbrook, S.W., Hoskins, H., Ladd, J., Lodolo, E., Loreson, T.D., Musgrave, R.J., Nahr, T., Okada, H., Pierre, C., Ruppel, C., Satoh, M., Thiery, R., Watanabe, Y., Wehner, H., Winters, W.J., Wood, W.T.

Gas hydrate sampling on the Blake Ridge and Carolina Rise sites 991-997

(1996) *Proceedings of the Ocean Drilling Program, Initial Reports*, 164, pp. 99-318.

## 1995

Davey, F.J., Lodolo, E.

Crustal seismic study of an ensialic back-arc basin (Bay of Plenty, New Zealand)

(1995) *Bollettino di Geofisica Teorica ed Applicata*, 37 (145), pp. 25-37.

Boehm, G., Camerlenghi, A., Lodolo, E., Vesnaver, A.

Tomographic analysis and geological context of a bottom simulating reflector on the South Shetland Margin (Antarctic Peninsula)

(1995) *Bollettino di Geofisica Teorica ed Applicata*, 37 (145), pp. 3-23.

Davey, F.J., Henrys, S.A., Lodolo, E.

Asymmetric rifting in a continental back-arc environment, North Island, New Zealand

(1995) *Journal of Volcanology and Geothermal Research*, 68 (1-3), pp. 209-238.

## 1994

Sartori, R., Torelli, L., Zitellini, N., Peis, D., Lodolo, E.

Eastern segment of the Azores-Gibraltar line (central-eastern Atlantic): an oceanic plate boundary with diffuse compressional deformation

(1994) *Geology*, 22 (6), pp. 555-558.

Lodolo, E., Coren, F.

The westernmost Pacific-Antarctic plate boundary in the vicinity of the Macquarie Triple Junction

(1994) *Terra Antarctica*, 1, pp. 158-161.

Camerlenghi, A., Lodolo, E.

Bottom simulating reflector on the South Shetland margin (Antarctic Peninsula) and implications for the presence of gas hydrates

(1994) *Terra Antarctica*, 1, pp. 154-157.

## 1993

Marchetti, A., Baroni, C., Brancolini, G., Lodolo, E., Orombelli, G., Stefanon, A.

Sea bottom morphologies of the Ross Sea area (Antarctica)

(1993) *Bollettino di Geofisica Teorica ed Applicata*, 35 (137-138), pp. 203-218.

Buseti, M., Camerlenghi, A., Carta, A., Lodolo, E., Sauli, C.

The Ross Sea (Antarctica): a review of the geological and geophysical exploration

(1993) *Bollettino di Geofisica Teorica ed Applicata*, 35 (137-138), pp. 245-263.

Lodolo, E., Camerlenghi, A., Brancolini, G.

A bottom simulating reflector on the South Shetland margin, Antarctic Peninsula

(1993) *Antarctic Science*, 5 (2), pp. 207-210.

## 1991

Brancolini, G., Gantar, C., Lodolo, E., Marchetti, A.

Acquisition, processing and preliminary results of the 1988/89 Antarctic Geophysical Survey

(1991) *Mem. Soc. Geol. It.*, 46, pp. 543-560.

## SCIENTIFIC DIVULGATION

### Articles in Italian magazines

- Lodolo, E. La geografia del Quaternario (2011). Darwin, 44, pp. 36-39.
- Lodolo, E. Il destino di Atlantide (2010). Darwin, 37, pp. 28-33.
- Lodolo, E. Il passato della Terra del Fuoco (2010). Darwin, 38, pp. 34-39.
- Lodolo, E., Baradello, L., Caffau, M., Grossi, M., Lippai, H., Tassone, A., Menichetti, M. I laghi: testimoni del clima del passato (2010). Geotalia, 33, pp. 18-21.
- Lodolo, E. I limiti e l'estensione delle piattaforme continentali: una "seconda rivoluzione" nella geofisica marina (2009). Geotalia, 26, pp. 13-15.
- Civile D., Lodolo E., Accetella D., Deponte M., Facchin L., Geletti R., Marchi M., Ramella R., Romeo R. Il Canale di Sicilia: estensione continentale in un ambiente collisionale (2009). Geotalia, 29, pp. 11-14.
- Lodolo, E. Relazioni tra tettonica e clima: il caso dell'Arco di Scozia (2008). Geotalia, 23, pp. 3-7.
- Lodolo, E. I gas idrati: energia per il futuro? (1998). Le Scienze, Ital. Edit. of Scientific American, 353, pp. 58-65.

### Video

- Lodolo, E, Grossi, M, Baradello, L, Tassone, A, Lippai, H (2010). The lakes of Tierra del Fuego and southern Patagonia: Archives of the past climate (VIDEO, 12 min). Regia di I. Garzia.
- Lodolo, E, Menichetti, M (2003). Il mistero del Lago Izabal (VIDEO, 27 min). Regia di T. Mercuri.
- Lodolo, E (2001). Le due Terre del Fuoco (VIDEO, 35 min). Regia di T. Mercuri.

### Articles in newspapers

- "*il Piccolo*", 17 aprile 2010: "I laghi della Patagonia raccontano il clima del passato"
- "*il Friuli*", 19 aprile 2010: "La Natura fa da se"
- "*il Gazzettino*", 26 aprile 2010: "OGS - il clima cambia ma è fisiologico"