

From our users: publications with the METS methane sensor

- Accepted Fukasawa et al.
"Dissolved Methane Sensor for Methane Leakage Monitoring in Methane Hydrate Production"
Proceedings Oceans06, Paper 06330-05, Boston MA, Sept 18-21, 2006
- Marinaro et al.
"Monitoring of a methane-seeping pockmark by cabled benthic observatory (Patras Gulf, Greece)"
Geo-Mat Lett.
- In press Grunwald et al.
"Tidal variations of dissolved methane in the Wadden Sea of NW Germany"
ASLO Summer Meeting, June 19-24, 2005, Santiago de Compostela
- Jian Lin, Chuanlun Zhang
"The first collaborative China-International Cruises to investigate Mid-Ocean Ridge Hydrothermal Vents"
InterRidge News
- 2006 Han X. Suess E., Petersen S.
"In-Situ detection of methane plume using METS methane sensor on the Indian Ocean Ridge"
Invited Paper, EOS Trans. AGU, 87(6), West. Pac. Geophys. Meet. Suppl., Abstract T31A-0166
- Hyodo et al
"Study on In-Situ Measurement of Dissolved Methane by Methane Sensor"
Japan Society of Engineering Geology, Vol 18(20061109) pp 299-302
- Holland C.W., Weber T.C., Etiope G.
"Acoustic Scattering from mud volcanoes and carbonate mounds"
Journal of the Acoustical Society of America, 120(6), pp 3553-3565
- Faure K et al
„Methane seepage and its relation to slumping and gas hydrate at the Hikurangi margin, New Zealand“
New Zealand Journal of Geology and Geophysics, vol 49: 503-516
- 2005 Schmid et al.
"Weak mixing in Lake Kivu: new insights indicate increasing risk of uncontrolled gas eruption"
Geochem. Geophys. Geosyst., Research Letter, 6(7), Q07009, 11p
- Nam et al.
"Application of Real-time Monitoring Buoy Systems for Physical and Biogeochemical Parameters in the Coastal Ocean around the Korean Peninsula"
Marine Technology Society Journal, 39(2) Q07009, pp 70-79
- Bussmann I
"Methane release through suspension of littoral sediment"
Biogeochemistry, Vol 74, pp283-302
- Bayon et al.
"Active pockmarks, mounds and slope instabilities on the Nile margin: In situ observations, geophysical, sedimentological and geochemical evidence"
Geophysical Research Abstracts, Vol. 7, European Geosciences Union, EGU05-A-06953

- Newman et al.
"Geophysical and geochemical evidence for methane venting at large gas blowouts along the US Mid-Atlantic shelf edge"
Fall AGU Meeting, Dec 2005, contribution OS32A-05
- 2004 Marinaro G, Etiope G, Gasparoni F, Calore D, Cenedese S, Furlan F, Masson M, Favali F, Blandin J
"GMM - A gas monitoring module for long-term detection of methane leakage from the seafloor"
Environmental Geology, 46, pp1053-1058
- Garcia M.L., Masson M
"Environmental and geologic application of solid-state methane sensors"
Environmental Geology, 46, pp1059-1063
- Camilli et al
"In-situ chemical exploration and mapping using an autonomous underwater vehicle"
Fall AGU meeting, San-Francisco, Dec. 2004, contribution OS42A-08
- Newman et al
"A detailed near-bottom survey of large gas blowout structures along the US atlantic shelf break using the autonomous underwater vehicle (AUV) SeaBED"
Fall AGU meeting, San-Francisco, Dec. 2004, contribution OS23B-1312
- Hill, J. C., M. W. Driscoll, J. K. Weissel, M. Kastner, H. Singh, M. Cormier, R. Camilli, R. Eustice, R. Lipscomb, N. McPhee, K. Newman, G. Robertson, E. Solomon, and K. Tomanka.
"A Potential Link between Fluid Expulsion and Slope Stability: Geochemical Anomalies Measured in the Gas Blowouts along the U.S. Atlantic Margin Provide New Constraints on their Formation.", pp. 13-17
Fall AGU meeting, San-Francisco, Dec. 2004, contribution OS23B-1307
- 2003 Marinaro G, Etiope G, Gasparoni F, Calore D, Masson M, Blandin J
"A Gas Monitoring Module for Seabed Methane Leakage"
XVI INQUA Congress, Reno Nevada, Contribution 23-5 (BTH 133)
- Christodoulou D, Papatheodorou G, Ferentinos G, Masson M
"The Origin of Two Pockmark Fields in Patras and Corinth Gulfs, Greece"
Geo-Marine Letters, 23:194-199
- 2002 Blandin J, Person R, Strout J.M., Briole P, Etiope G, Masson M, Golightly C.R., Lykousis V, Ferentinos G
"ASSEM: Array of Sensors for Long Term Seabed Monitoring of Geohazards"
Underwater Technology 2002 Conf, April 16-19 2002, Tokyo, Japan, Contribution P014
- Nakamura K
"Tidal Bottom Current Modulation of Chemical Environment in the Suyio Hydrothermal Site in the Izu-Ogasawara (Bonin) Arc"
EOS Trans, AGU, 83(47), Fall Meet. Suppl., Abstract V72A-1303, 2002
- da Silva M., Pereira I, Sikar E, Matvienko B, Rosa L, dos Santos M, dos Santos E, Lourenco R, Coutinho P
"Methane Concentration Depth Profiles in Hydroelectric Reservoir Water"
Int'l Symposium Reservoir Management in Tropical and Subtropical Regions, Sept. 26, 2002, Iguassu, Brazil
- Kim G, Hwang D.-W.
"Tidal Pumping of Groundwater into the Coastal Ocean Revealed from Submarine ²²²Rn and CH₄ Monitoring"
Geophysical Research Letters, vol. 29, no. 14

- 2001 Lamontagne R.A., Rose-Pehrsson S.L., Grabowski K.E., Knies D.L.
"Use of the METS Methane Sensor in the Gulf of Mexico"
Oceanography, Vol 14, No. 1
- 1999 Omlin A, Mienert J, Lukas D, Posewang J, Goelz T
"Stability of Oceanic Gas Hydrates at the Barents Sea Continental Slope: Investigations
with Deep-Sea Submersibles"
Journal of Conference Abstracts, Vol 4 (1), European Union of Geosciences-EUG 10
Conference, Strasbourg, France, March 28 - April 1 1999
- Bussell J, et al.
"Applications of the METS Methane Sensor to the In-situ Detection of Methane Over a
Range of Time Scales and Environments"
Fall AGU, San Francisco, USA, Dec. 13-17 1999