

# **11<sup>th</sup> International Conference on Gas in Marine Sediments**

**4-7 September 2012**

**Nice, France**

Congress Schedule  
Information, and Abstracts

## **Host**

The conference is hosted by the Centre National de la Recherche Scientifique (CNRS), France.

## **Local Organizing Committee**

Catherine Pierre

Giovanni Aloisi

Ioanna Bouloubassi

Sébastien Duperron

Jeffrey Poort

Jean Mascle

Sébastien Migeon

Stéphanie Dupré

Germain Bayon

Karine Olu-Le Roy

Laurent Toffin

The GIMS11 conference will be held at “la Maison du Séminaire”  
 29 Boulevard Franck Pilatte, 06300 Nice (http:www.maisonduseminaire.eu)



### Programme overview

	Morning	Afternoon	Evening
<b>Tuesday September 4</b>	09:00-10:00 Registration 10:00-10:30 Welcoming address 10:30-11:00 Coffee break <b>11:00-12:30 Talks</b> 12:30-14:00 Lunch	<b>14:00-15:45 Talks</b> 15:45-16:15 Coffee break <b>16:15-18:00 Talks</b>	19:00-20:00 Ice breaker
<b>Wednesday September 5</b>	<b>09:00-10:30 Talks</b> 10:00-10:30 Coffee break <b>10:30-12:30 Talks</b> 12:30-14:00 Lunch	<b>14:00-16:00 Talks</b> 16:00-16:30 Coffee break <b>16:15-18:00 Posters</b>	19:00-20:00 Aperitif
<b>Thursday September 6</b>	<b>09:00-10:30 Talks</b> 10:00-10:30 Coffee break <b>10:30-12:30 Talks</b> 12:30-14:00 Lunch	<b>14:00-15:45 Talks</b> <b>15:45-16:15 General discussion</b> 16:15-16:45 Coffee break <b>16:45-18:00 Posters</b>	20:00 Conference dinner
<b>Friday September 7</b>	09:00-18:00 Visit to the Monaco Oceanographic Museum (12:30-14:00 lunch at the panoramic restaurant of the Museum)		

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**Program**

**Lists of oral and poster presentations**

# Program of the conference

## Tuesday 4<sup>th</sup> September 2012

9h00-10h00 Registration of participants

10h00-10h15 welcoming address

10h15-10h30 commemoration of Michael Ivanov by John Woodside

10h30-11h00 coffee break

11h00-12h30 **session: geophysical and geological expression of gas structures**

conveners: Jean Mascle and Daniel Praeg

11h00-11h30 **Invited talk: David Scholl**

**Scholl D, Wood W, Barth GA, Childs JR**: THE BERING SEA BASIN: NEW DRILLING AND GEOPHYSICAL OBSERVATIONS AND EVIDENCE FOR AN IMPORTANT CONTRIBUTION OF THERMOGENIC METHANE TO INTERSTITIAL DEPOSITS OF METHANE HYDRATE

11h30-11h45 **Gafeira J, Long D, Diaz-Doce D** : WHAT CAN WE FOUND OUT FROM THE SEMI-AUTOMATED CHARACTERISATION OF 4150 POCKMARKS WITHIN THE WITCH GROUND BASIN (CENTRAL NORTH SEA)?

11h45-12h00 **Ho S, Imbert P, Cartwright J**: A CASE STUDY OF FLUID VENTING STRUCTURES AND AMPLITUDE ANOMALIES AS INDICATORS HYDROCARBON LEAKAGE IN INTERPLAY WITH GEOLOGICAL SETTING, NEOGENE-QUATERNARY INTERVAL OF LOWER CONGO BASIN

12h00-12h15 **Veloso M, De Batist M, Mienert J, Greinert J** : SPATIAL DISTRIBUTION ANALYSIS AND HYDROACOUSTIC MONITORING OF A GAS SEEP AREA OFFSHORE SVALBARD (~ 78 N)

12h15-12h30 **García-Gil S, Muñoz Sobrino C, Martínez-Carreño N, de Blas E** : SHALLOW GAS AND STRATIGRAPHIC ARCHITECTURE OF THE SEDIMENTARY RECORD FROM AN ENCASED VALLEY: RIA DE VIGO

12h30-14h00 lunch

14h00-15h45 **Session: imaging subseafloor gas structures by seismic studies**

conveners: Marc De Batist and David Scholl

14h00-14h30 **Invited talk: Jean Mascle**

**Mascle J, Mascle G, Camera L, Brosolo L** : MUD VOLCANOES AND FLUID SEEPAGE IN THE MEDITERRANEAN DOMAIN

14h30-14h45 **Gafeira S, Long D, Diaz-Doce D** : SEMI-AUTOMATED CHARACTERISATION OF SEABED POCKMARKS FROM MULTIBEAM BATHYMETRIC DATASETS

14h45-15h00 **Wenau S, Spiess V, Fekete N**: SEISMIC AND ACOUSTIC INVESTIGATION OF ACTIVE GAS SEEPAGE SITES CONTROLLED BY SALT TECTONICS IN THE LOWER CONGO BASIN

15h00-15h15 **Klaucke I, Bialas J, Klaeschen D, Zander T, Papenberg C, Dumke I, Koch S** : SUBSURFACE FLUID-FLOW PATTERNS WITHIN THE GAS-HYDRATE STABILITY ZONE OF THE BLACK SEA

- 15h15-15h30 **Pattier P, Loncke L, Gaullier V, Basile C, Lacoste A, Vendeville BC, Roest WR, Maillard A** : SEAFLOOR FLUID EMISSIONS IN THE FRENCH GUIANA PASSIVE TRANSFORM MARGIN (DEMERARA PLATEAU)
- 15h30-15h45 **Praeg D, Migeon S, Mascle J, Ketzer J, Augustin AH, Dano A, Diviacco P, Geletti R, Wardell N, Rodrigues LF, Unnitham V** : MULTI-DISCIPLINARY INVESTIGATIONS OF GAS HYDRATES AND FLUID SEEPS ON THE NILE FAN
- 15h45-16h15 coffee break
- 16h15-18h00 **Session: seafloor emissions to the water column and the atmosphere**  
conveneers: Ingo Klaucke and Soledad Garcia Gil
- 16h15-16h45 **Invited talk: Louis Géli**  
**Géli L and Marmara-DM group**: SUBMARINE INVESTIGATIONS OF THE SUBMERGED SECTION OF THE NORTH ANATOLIAN FAULT WITHIN THE SEA OF MARMARA OPENS NEW PERSPECTIVES FOR THE DEEP SEAFLOOR MONITORING OF EARTHQUAKE HAZARDS
- 16h45-17h00 **Hsu SK, Liao YC, Wang SY, Yang TF, Tsai TF, Chen SC**: MECHANISM OF GAS EMISSIONS OFF SW TAIWAN
- 17h00-17h15 **Egorov AV, Nigmatulin RI, Rimsky-Korsakov NA, Rozhkov AN, Sagalevich AM, Chernyaev ES** : TRANSFORMATION OF DEEP-WATER METHANE BUBBLES INTO HYDRATE POWDER AND HYDRATE FOAM
- 17h15-17h30 **Dupré S, Scalabrin C, Géli L, Henry P, Grall C, Çagatay N, Imren C and the MARMESONET Scientific Party Team** : WIDESPREAD GAS EMISSIONS IN THE SEA OF MARMARA, RESULTS FROM SYSTEMATIC SHIP-BORNE MULTIBEAM ECHOSOUNDER WATER COLUMN IMAGERIES
- 17h30-17h45 **Leifer I, Solomon E, Levine J, Kastner M, Rehder G** : DEEP SEEP BUBBLES REACH FOR THE SKIES: GROWING EVIDENCE OF BUBBLE-MEDIATED METHANE/HYDROCARBON TRANSFER FROM DEEP WITHIN THE HYDRATE STABILITY FIELD TO THE ATMOSPHERE
- 17h45-18h00 **Ulyanova M, Sivkov V, Kanapatskiy T, Pimenov N** : METHANE DIFFUSIVE FLUX IN THE SHALLOW LAGOONS OF THE SE BALTIC SEA
- 19h00-20h00 ice breaker

### Wednesday 5<sup>th</sup> September 2012

- 9h00-10h30 **Session: subsurface fluid flow, cold seeps, geochemical and thermal gradients**  
conveneers: Jeffrey Poort and Elena Suetnova
- 9h00-9h30 **Invited talk: Tatiana Pogodaeva**  
**Pogodaeva T, Zemskaya TI, Khlystov OM** : PRELIMINARY ESTIMATE OF DISSOLVED COMPONENTS FLOWING THROUGH WATER-BOTTOM INTERFACE AT SITES OF OIL AND GAS DISCHARGE IN LAKE BAIKAL
- 9h30-9h45 **Villar-Muñoz L, Behrmann J, Villinger H, Karsten J, Klaeschen D, Diaz-Naveas J** : SPATIAL VARIATION OF THE HEAT FLOW AND BSR ON THE SOUTH-CENTRAL CHILEAN FOREARC
- 9h45-10h00 **Lavrenova E, Kruglyakova M, Gorbuniv A** : DISTRIBUTION OF LIGHT HYDROCARBONS IN MARINE SEDIMENTS (RESULTS OF REGIONAL STUDIES, SOUTH RUSSIA)

10h00-10h15	<b>Malakhova T</b> : METHANE DYNAMICS IN SEVASTOPOL BAY (BLACK SEA)
10h15-10h30	<b>Imbert P</b> : GAS IN MARINE SEDIMENTS: WHAT MAKES IT DIFFERENT ?
10h30-11h00	coffee break
11h00-12h30	<b>session: regional studies on gas and gas hydrate distribution and quantification</b> <u>conveners</u> : Patrice Imbert and José Mogollon
11h00-11h30	<b>Invited talk: Joerg Bialas</b>  <b>Bialas J and teams of cruises SO-191 and SO-214</b> : 3D SEISMIC AND MULTIDISCIPLINARY INVESTIGATIONS OF COLD SEEPS ALONG THE HIKURANGI MARGIN, NORTH ISLAND, NEW ZEALAND
11h30-11h45	<b>Cheng WB, Shih TY, Lin SS, Chen WSC</b> : VELOCITY STRUCTURE AND GAS HYDRATE SATURATION ESTIMATION ON ACCRETIONARY PRISM OFF SW TAIWAN INFERRED FROM P-S CONVERTED PHASES
11h45-12h00	<b>Matsumoto R, Ochiai H, Tomaru H, Hiromatsu M, Oi T</b> : FREE GASES IN GAS HYDRATE MOUNDS AS MEASURED BY TDR, JOETSU BASIN, EASTERN MARGIN OF JAPAN SEA
12h00-12h15	<b>Yang TF, Chuang PC, Chen CW, Chen NC, Lin S, Wang Y, Chung SH, Chen PC</b> : GAS COMPOSITION OF CORED SEDIMENTS FROM GAS HYDRATE POTENTIAL AREA OFFSHORE SW TAIWAN
12h15-12h30	<b>Casenave V, Imbert P, Gay A</b> : THE DISTRIBUTION OF BOTTOM-SIMULATING REFLECTORS IN THE LOWER CONGO BASIN: IMPLICATIONS ON HYDRATES FORMATION PROCESSES AND RELATIONSHIPS WITH DEEPER STRUCTURES
12h30-14h00	lunch
14h00-16h00	<b>Session: regional studies on gas and gas hydrate distribution and quantification</b> <u>conveners</u> : Ryo Matsumoto and Ewa Burwicz
14h00-14h30	<b>Invited talk: Hitoshi Shoji</b>  <b>Shoji H, Takahashi N, Jin YK, Obzhairov A, Baranov B</b> : INTERNATIONAL COLLABORATION EFFORTS OF SUBMARINE GAS HYDRATE STUDIES OFFSHORE SAKHALIN, OKHOTSK SEA
14h30-14h45	<b>Nengkoda N, Prasetyo I, Suryono S, Amijaya H, Tohidi B</b> : POTENTIAL RISK IDENTIFICATION FROM GAS HYDRATE PRODUCTION: CASE STUDY INDONESIA
14h45-15h00	<b>Fukumoto A, Sato T</b> : STUDY ON MORPHOLOGY OF THE METHANE HYDRATE IN POROUS MEDIA
15h00-15h15	<b>Chernyavski V</b> : GAS RELEASE FROM SATURATED FLUID DURING FILTRATION IN A PORE; LABORATORY EXPERIMENT AND IMPLICATION TO NATURAL ENVIRONMENT OF MARINE SEDIMENTS
15h15-15h30	<b>Suetnova E</b> : PECULIARITY OF GAS HYDRATE ACCUMULATION HISTORY CAUSED BY DIFFERENCE IN RHEOLOGICAL PROPERTIES OF MARINE SEDIMENTS
15h30-15h45	<b>Monteys X, Garcia R, Hung P, Evans R, Szpak M, O'Reilly S, Kelleher B, Garcia-Gil S</b> : ACOUSTIC SEDIMENT CHARACTERIZATION IN NEAR SEABED GAS ENVIRONMENTS AROUND THE IRISH COAST
15h45-16h0	<b>Presentation of the poster session</b>
16h00-16h30	coffee break

16h30-18h00 **Poster session**

19h00-20h00 aperitif

**Thursday 6<sup>th</sup> septembre 2012**

9h00-10h30 **Session: gas hydrates modeling, biogeochemical processes**

conveneers: Giovanni Aloisi and Vladimir Chernyavski

9h00-9h30 **Invited talk: Ewa Burwicz**

**Burwicz E, Rüpke LH, Wallmann K** : A NEW NUMERICAL REACTION-TRANSPORT MODEL OF MARINE GAS HYDRATE DEPOSITS

9h30-9h45 **Sa JH, Lee KH** : INFLUENCE OF HYDROPHOBICITY ON THE PERFORMANCE OF INHIBITORS FOR CARBON DIOXIDE HYDRATE FORMATION

9h45-10h00 **Lin S, Kalmychkov V, Cheng W, Hsu CW, Lim Y, Yang TF, Pogodaeva T** : SULFUR ISOTOPIC VARIATION AND ROLE OF SULFATE IN THE FRESHWATER METHANE RICH LAKE BAIKAL CARBON/SULFUR CYCLING

10h00-10h15 **Mogollón JM, Kasten S** : CONSTRAINING THE METHANE CYCLE THROUGH CARBON ISOTOPE MODELS

10h15-10h30 **De Prunelé A, Ruffine L, Peters CA, Guyader V, Donval JP, Bollinger C, Sultan N, Bohrmann G, Pape T, Géli L, Cauquil E** : GEOCHEMISTRY OF PORE FLUIDS FROM A CLUSTER OF HYDRATE-BEARING POCKMARKS, OFFSHORE NIGERIA

10h30-11h00 coffee break

11h00-12h30 **Session: biogeochemical processes, authigenic carbonates**

conveneers: Sylvie Gaudron and Karine Olu

11h00-11h30 **Invited talk: Ivano Aiello**

**Aiello IW, Zabel M, Hinrichs KU, Teske A, Goldhammer T, Elvert M, Heuer S**: AN EXPANDED SEAFLOOR IN THE BRINE LAKE OF THE URANIA BASIN: A NEW DEEP-WATER MARINE ENVIRONMENT

11h30-11h45 **Blouet J, Imbert P, Ho S** : MORPHOLOGY VARIATIONS OF METHANOGENIC CARBONATES IN RELATIONSHIP WITH THEIR GENESIS MECHANISMS, VOCONTIAN BASIN, FRANCE: A MULTIDISCIPLINARY STUDY

11h45-12h00 **Capozzi R, Dinelli E, Negri A, Montagna P, Oppo D, Picotti V, Scarponi D, Taviani M** : SHALLOW-WATER HYDROCARBON SEEPAGES IN THE PLEISTOCENE ARGILLE AZZURRE FORMATION: THE CHIMNEYS FIELD OF ENZA RIVER, NORTHERN APENNINES, ITALY

12h00-12h15 **Pierre C, Bayon G, Blanc-Valleron MM, Mascle J, Dupré S** : AUTHIGENIC CARBONATES FROM CHEOPS MUD VOLCANO - MENES CALDERA (NILE DEEP SEA FAN-EASTERN MEDITERRANEAN)

12h15-12h30 **Crémière A, Bayon G, Ponzevera E, Pierre C** : PALEO-ENVIRONMENTAL CONTROLS ON METHANE-DERIVED CARBONATES AUTHIGENESIS IN THE SEA OF MARMARA

12h30-14h00 Lunch

14h00-16h00 **Session: biogeochemical processes, biology, microbiology**

conveneers: Ioanna Bouloubassi and Ivano Aiello

- 14h00-14h30      **Invited talk: Sébastien Duperron**
- Duperron S, Rodrigues C, Cunha M, Olu K, Gaudron S** : SYMBIOSES BETWEEN BIVALVES AND CHEMOSYNTHETIC BACTERIA ON EUROPEAN AND AFRICAN MARGINS: SUMMARY AND RECENT PROGRESS
- 14h30-14h45      **Olu K, Caprais JC, Marcon Y, Ondréas H, De Prunelé A, Ruffine L, Bayon G, and the WACS cruise scientific party** : VARIABILITY OF CHEMOSYNTHETIC ASSEMBLAGES AMONG AND WITHIN POCKMARKS OF GULF OF GUINEA
- 14h45-15h00      **Gaudron S, Rodrigues C, Maros F, Laming S, Pierre C, Duperron S** : COLONIZATION OF ARTIFICIAL SUBSTRATES (CHEMECOLIS) IN DEEP-SEA EUROPEAN REDUCING HABITATS: BIODIVERSITY, SYMBIOSIS AND GEOLOGICAL FACTORS
- 15h00-15h15      **Dachnova M, Kruglyakova R, Zheglova T, Mozhegova S, Shevtsova N** : THE EXAMPLE OF HIGH MOLECULAR WEIGHT HYDROCARBONS STUDY BY SURFACE GEOCHEMICAL EXPLORATION WITHIN OFFSHORE AREAS (BLACK SEA, YENISEISK AND KHATANGA GULFS OF ARCTIC SEAS)
- 15h15-15h30      **Chevalier N, Birgel D, Stadnitskaia A, Taphanel MH, Sinninghe Damsté J, Bouloubassi I** : MICROBIAL METHANE OXIDATION AT COLD SEEP SEDIMENTS FROM THE NORWEGIAN MARGIN AND THE MARMARA SEA
- 15h30-15h45      **Lomakina AV, Morozov IV, Pogodaeva TV, Zemskaya TI**: STUDY ON DIVERSITY OF BACTERIA PARTICIPATING IN CYCLES OF METHANE AND AMMONIUM AT SITES OF HYDROCARBON DISCHARGE IN LAKE BAIKAL
- 15h45-16h15      **General discussion- propositions for the location of the next conference GIMS12**
- 16h15-16h45      coffee break
- 16h45-18h00      **Poster session**
- 20h00              Conference dinner at “la Maison du Séminaire”
- Friday 7th September 2012**
- 9h00-18h00      Excursion to the Monaco Oceanographic Museum



Lists of oral and poster presentations  
(alphabetic order)

# Oral presentations

**Aiello IW, Zabel M, Hinrichs KU, Teske A, Goldhammer T, Elvert M, Heuer S:** AN EXPANDED SEAFLOOR IN THE BRINE LAKE OF THE URANIA BASIN: A NEW DEEP-WATER MARINE ENVIRONMENT

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**Shoji H, Takahashi N, Jin YK, Obzhirov A, Baranov B :** INTERNATIONAL COLLABORATION EFFORTS OF SUBMARINE GAS HYDRATE STUDIES OFFSHORE SAKHALIN, OKHOTSK SEA

**Suetnova E :** PECULIARITY OF GAS HYDRATE ACCUMULATION HISTORY CAUSED BY DIFFERENCE IN RHEOLOGICAL PROPERTIES OF MARINE SEDIMENTS

**Ulyanova M, Sivkov V, Kanapatskiy T, Pimenov N :** METHANE DIFFUSIVE FLUX IN THE SHALLOW LAGOONS OF THE SE BALTIC SEA

**Veloso M, De Batist M, Mienert J, Greinert J :** SPATIAL DISTRIBUTION ANALYSIS AND HYDROACOUSTIC MONITORING OF A GAS SEEP AREA OFFSHORE SVALBARD (~ 78 N)

**Villar-Muñoz L, Behrmann J, Villinger H, Karsten J, Klaeschen D, Diaz-Naveas J :** SPATIAL VARIATION OF THE HEAT FLOW AND BSR ON THE SOUTH-CENTRAL CHILEAN FOREARC

**Wenau S, Spiess V, Fekete N:** SEISMIC AND ACOUSTIC INVESTIGATION OF ACTIVE GAS SEEPAGE SITES CONTROLLED BY SALT TECTONICS IN THE LOWER CONGO BASIN

**Yang TF, Chuang PC, Chen CW, Chen NC, Lin S, Wang Y, Chung SH, Chen PC :** GAS COMPOSITION OF CORED SEDIMENTS FROM GAS HYDRATE POTENTIAL AREA OFFSHORE SW TAIWAN

## Poster presentations

**Blanc-Valleron MM, Paillès C, Crémière A, Boudouma O, Pierre C, Harwood D:** A NEW DIATOM SPECIES WITHIN THE SEDIMENTS OF A POCKMARK ALONG THE NORTH ANATOLIAN FAULT (MARMARA SEA)

**Brodecka A, Bolalek J :** METHANE CONCENTRATION AND SULFATE-METHANE TRANSITION IN SEDIMENTS OF THE SOUTHERN GDAŃSK BASIN (BALTIC SEA)

**Brumby PE, Sato T, Jiro Nagao J, Temma N, Narita H :** A SIMULATION STUDY OF EROSION AT GRANULAR AND PORE SCALES IN MARINE SEDIMENTS USING COUPLED LBM AND DEM CODES

**Capozzi R, Negri A, Taviani M:** CARBONATE CONDUITS LINKED TO HYDROCARBONS ENRICHED SEEPAGES

**Chen NC, Yang TF, Hong WL, Chuang PC, Chen HC, Lin S, Matsumoto R, Hiruta A, Jiang SY, Chung SH, Wang YS :** CARBON AND HYDROGEN ISOTOPE AND RELATED BIOGEOCHEMISTRY FROM GAS HYDRATE POTENTIAL AREA OFFSHORE SW TAIWAN

**Chen SC, Hsu SK, Tsai CH, Wang Y, Chung SH, Chen PC, Liu CS, Yang TF :** ACTIVE MUD VOLCANOES AND GAS SEEPS IN THE NEAR SHORE OF SW TAIWAN

**Couillard M, Berndt C, Dumke I, Gay A, Imbert P :** GEOPHYSICAL CHARACTERIZATION OF A GIANT FLUID PIPE IN THE NORWAY BASIN

**Crémière A, Aloisi G, Pierre C :** A MODELLING APPROACH FOR A BETTER UNDERSTANDING OF FACTORS CONTROLLING THE CARBON ISOTOPIC COMPOSITION OF AUTHIGENIC CARBONATES

**de Blas E, Martínez-Carreño N, Muñoz Sobrino C, García-Gil S :** ASSESSMENT OF THE SULFATE-METHANE TRANSITION ZONE (SMTZ) ALONG A LONGITUDINAL TRANSECT IN RÍA DE VIGO (NW SPAIN)

**Duleba W, Teodoro AC, Silas Gubitoso S, Braga Silva J, Rocha-Campos AC :** SEDIMENT GEOCHEMISTRY AND BENTHIC FORAMINIFERA DISTRIBUTION IN AN ACTIVE METHANE SEEP ENVIRONMENT, BAIJA DE BERTODANO, SEYMOUR (MARAMBIO) ISLAND, ANTARTIC: PRELIMINARY RESULTS

**Dupré S, Foucher JP, Woodside J, Loubrieu B, Alexandri M, Pierre C, Ioakim C, Olu K, Sarrazin J :** HIGH-RESOLUTION GEOPHYSICAL IMAGERY OF THE ACTIVE AMSTERDAM MUD VOLCANO (ANAXIMANDER MOUNTAINS, EASTERN MEDITERRANEAN)

**Feng D, Roberts H, Joye S, Heydari E :** BRINE INDUCED LOW-MAGNESIUM CALCITE FORMATION AT COLD SEEPS

**Gafeira J, Long D :** DOES SIZE MATTER? ON THE IMPORTANCE OF GRAIN SIZE IN THE MORPHOLOGY OF POCKMARKS FROM THE ATHENA SITE (CENTRAL NORTH SEA)

**Guliyev I, Huseynov D:** FLUID DYNAMICS AND SEISMICITY OF THE CASPIAN SEA

**Hachikubo A, Sakagami H, Minami H, Yamashita S, Takahashi N, Shoji H, Jin YK, Vereshchagina O, Obzhirov A :** CHARACTERISTICS OF HYDRATE-BOUND GAS AND DISSOLVED GAS IN PORE WATER OFF SAKHALIN ISLAND, SEA OF OKHOTSK

**Ho S, Imbert P, Blouet JP :** SEEP CARBONATES: SEISMIC EXPRESSION VS. OUTCROP OBSERVATIONS

**Hsu CW, Lin S, Lim YC, Yang TF, Hsieh IC :** ANAEROBIC METHANE OXIDATION AND ITS INFLUENCES ON THE SULFATE REDUCTION AND SULFUR ISOTOPIC COMPOSITIONS

**Ikegawa Y, Miyakawa K, Suzuki K, Tanaka S, Kubota K** : EXPERIMENTAL RESULTS FOR ENHANCED RECOVERY OF METHANE HYDRATE USING EXOTHERMIC HEAT OF CO<sub>2</sub> HYDRATE

**Imbert P, Ho S, Riboulot V, Cauquil E** : COLLAPSED FUNNELS OFFSHORE AUSTRALIA: EVIDENCE FOR PAST HYDRATE POCKMARKS?

**Jassim E**: NUCLEATION AND ACCUMULATION PHENOMENA OF HYDRATE IN OIL AND GAS PIPELINES

**Khlystov O, Khabuev A, Belousov O, Osipov E, Kalmychkov G, Manakov A, Shoji H, Hachikubo A, Nishio S, Naudts L, De Batist M** : AREA CLASSIFICATION OF NEAR-SURFACE ACCUMULATIONS OF GAS HYDRATES IN BOTTOM SEDIMENTS OF LAKE BAIKAL

**Khlystov O, Khabuev A, Belousov O, Nishio S**: FIRST ATTEMPTS TO MAP THE TOP OF GAS HYDRATE ACCUMULATIONS IN BOTTOM SEDIMENTS OF LAKE BAIKAL

**Khripounoff A, Caprais JC, Decker C, Essirard M, Le Bruchec J, Olu K**: GAS FLUXES THROUGH CHEMOSYNTHETIC ECOSYSTEM LIVING IN THREE AREAS OF THE GULF OF GUINEA (EQUATORIAL ATLANTIC OCEAN)

**Koch S, Crutchley G, Dumke I, Bialas J, Klaeschen D, Klaucke I, Papenberg C** : MULTISCALE STUDY OF SEEP STRUCTURES – OPOUAWE BANK, OFFSHORE NEW ZEALAND

**Leon R, Somoza L, T. Medialdea T, Vázquez JT, Gonzalez FJ** : MORPHO-STRUCTURAL FEATURES OF EPISODIC MUD VOLCANISM IN THE GULF OF CÁDIZ.

**Long D, Gafeira J, Howe J, Dove D** : VARIATION IN POCKMARKS IN COASTAL SETTINGS WEST OF SCOTLAND

**Lorenson T** : METHANE AND CARBON DIOXIDE GENERATED FROM NATURAL OFFSHORE ASPHALT SEEPAGE IN SOUTHERN CALIFORNIA

**Luis JR, García-Gil S., Sanjuán A, de Carlos A** : MICROBIAL COMMUNITIES IN THE SEDIMENTS OF THE RÍA DE VIGO, SPAIN

**Marcon Y, Allais AG, Bohrmann G, Olu K**: TEMPORAL EVOLUTION OF THE MACRO-FAUNAL DISTRIBUTION AT THE REGAB POCKMARK IN THE NORTHERN CONGO FAN, BASED ON VIDEO-MOSAIC ANALYSES

**Martínez-Carreño N, García-Gil S, de Blas E, Muñoz Sobrino C**: MONITORING POCKMARKS IN AN ENCASED VALLEY (RÍA DE VIGO, NW SPAIN)

**Minami H, Hachikubo A, Sakagami H, Yamashita S, Tatsumi K, Soramoto Y, Takahashi N, Shoji H, Pogodaeva T, Khlystov O, Zemskaya T, Grachev M, Naudts L, De Batist, M** : CHEMICAL AND ISOTOPIC COMPOSITIONS OF GAS HYDRATE WATERS RETRIEVED FROM KUKUY K-9 MUD VOLCANO IN LAKE BAIKAL, RUSSIA

**Muñoz Sobrino C, Castro Y, Martínez-Carreño N, de Blas E, García-Gil S** : RECENT RESERVOIRS OF METHANE INSIDE SAN SIMON BAY (RÍA DE VIGO, NW IBERIA): ASSESSING ITS SEDIMENTARY ENVIRONMENTS AND AGES OF FORMATION

**Pimenov N, Malakhova TV, Artemov Yu G, Kanaptsky TA, Malakhova LV** : BIOGEOCHEMICAL CHARACTERISTICS OF METHANE DISTRIBUTION IN SEDIMENT AT THE GAS SEEPAGE SITE OF SEVASTOPOL COASTAL AREA

**Poort J, Mercier de Lépinay B, Rabaute A, d'Acremont E, Migeon S, Ammar A, Le Roy P, Ercilla G, Alonso B, Vazquez JT., Lopez-Gonzalez N, Ceramicola S, Do Couto D, Gorini C, and the MARLBORO & SARAS teams** : FLUID SEEPAGE INDICES ON TOFIÑO BANK, ALBORAN SEA

**Sakagami H, Takahashi N, Hachikubo A, Minami H, Yamashita S, Shoji H, Khlystov O, Kalmychkov G, Grachev M, De Batist M** : MOLECULAR AND ISOTOPIC COMPOSITION OF HYDRATE-BOUND AND DISSOLVED GASES IN THE CENTRAL BASIN OF LAKE BAIKAL

**Sato J, Kiyono F, Sato T:** COHESION FORCE MEASUREMENT OF METHANE HYDRATE

**Szpak MT, O'Reilly S, Monteys X, Kelleher BP :** SEEPAGE AND GAS FEATURES IN DUNMANUS BAY, IRELAND

**Sztybor K, Rasmussen TL, Büinz S, Mienert J:** LONG-TERM METHANE RELEASE FROM THE SEABED: BENTHIC FORAMINIFERA RECORDS FROM THE SVALBARD MARGIN, FRAM STRAIT

**Torii H, Kano Y, Fukumoto A, Sato T :** LATTICE BOLTZMANN SIMULATION OF GAS-WATER TWO-PHASE INTERFACE AND ESTIMATION OF RELATIVE PERMEABILITY IN SPHERICAL GRAIN SEDIMENT

**Tsai CH, Lin SS, Lin SY, Hsu SK, Chen SC:** HIGH-RESOLUTION SEISMIC STRUCTURES LINKED TO AN ACTIVE MUD VOLCANO OFF SW TAIWAN

**Wenau S, Spiess V, Fekete N:** 3D MULTICHANNEL SEISMIC INVESTIGATION OF ACTIVE POCKMARKS IN THE LOWER CONGO BASIN

**Xing J, Spiess V:** INTERACTION OF GAS MIGRATION, HYDRATE FORMATION AND SEDIMENTARY PROCESSES IN THE KERCH FLARE AREA, BLACK SEA

**Zemskaya TI, Shubenkova OV, Maksimenko SY, Pogodaeva TV, Zakharenko AS, Lomakina AV, Alexeeva YM, Khlystov OM :** STRUCTURE OF JELLYLIKE BIOFILMS NEAR THE SITE OF METHANE SEEP ST. PETERBURG (CENTRAL BAIKAL