

POSTER SESSION

MARINE GEOLOGY

- 1 **Reconstruction of geomagnetic paleosecular variation on the continental margin of northwestern Barents Sea**, *C. Caricchi, L. Sagnotti, P. Macri, R.G. Lucchi*, and the scientific party of the project and cruise CORIBAR
- 2 **Extreme Meltwater events in the Arctic: the marine sedimentary record of Meltwater Pulse 1a**, *R.G. Lucchi, L. Sagnotti, A. Camerlenghi, P. Macri, M. Rebesco, G. Giorgetti*
- 3 **Lithostratigraphic reconstruction of a nearly 20 m-long piston core collected in the sediment drift area West of Svalbard**, *R.G. Lucchi, C. Caricchi, P. Del Carlo, A. Di Roberto, P. Macri, L. Sagnotti*
- 4 **The sedimentary system South of Svalbard: environmental impact of extreme glacimarine sedimentation after LGM**, *R.G. Lucchi, A. Camerlenghi, M. Rebesco, L. Sagnotti, R. Melis, C. Morigi, G. Giorgetti, G. Villa, D. Persico, P. Macri, A. Caburlotto*, and OGS international partners of SVAIS, EGLACOM, CORIBAR, and ARCA projects
- 5 **Clay mineral analyses in Post Last Glacial Maximum sediments recovered South of Svalbard (NW Barents Sea, Arctic)**, *M.E. Musco, G. Giorgetti, R.G. Lucchi, A. Caburlotto* and CORIBAR Scientific Party
- 6 **Evolution of the Kveithola sediment drift inside a glacially-carved trough (NW Barents Sea)**, *M. Rebesco, A. Özmaral, R. Urgeles, D. Accettella, R.G. Lucchi, D. Rütther, M. Winsborrow, J. Llopart, A. Caburlotto, H. Lantzsch, T.J.J. Hanebuth*
- 7 **Drilling glacial deposits in offshore polar regions**, *T.J.J. Hanebuth, M. Rebesco, R. Urgeles, R.G. Lucchi, T. Freudenthal*
- 8 **Grounding Zone Wedges, Kveithola Trough (NW Barents Sea)**, *M. Rebesco, R. Urgeles, A. Özmaral* and Coribar Scientific Party (*T.J.J., Hanebuth, H. Lantzsch, A. Caburlotto, T. Hörner, J. Llopart, R.G. Lucchi, L.S. Nicolaisen, G. Osti, A. Sabbatini*)
- 9 **Facies and stratigraphic architecture of high-frequency shelf sequences in highlatitude settings**, *M. Zecchin, O. Catuneanu, M. Rebesco*
- 10 **Buried iceberg-keel scouring on the Southern Spitsbergenbanken (NW Barents Sea)**, *M. Zecchin, M. Rebesco, R.G. Lucchi, M. Caffau, H. Lantzsch, T.J.J. Hanebuth*
- 11 **Fine scale correlation between palaeoclimatic polar data and isotopic composition of speleothems from Corchia Cave (Central Italy)**, *I. Isola, G. Zanchetta, E. Regattieri, R.N. Drysdale, J. Hellstrom*
- 12 **Downslope and alongslope sedimentary processes on NW Barents Sea continental margin: new results**

- 13 **Modeling the post-LGM deglaciation of the Scandinavian-Barents Sea Ice Sheet: a model intercomparison approach**, *M. Petrini, N. Kirchner, F. Colleoni, A. Camerlenghi, M. Rebesco, R.G. Lucchi, R. Noormets, E. Forte, R.R. Colucci*
- 14 **Downslope and alongslope sedimentary processes on a high latitude continental margin: NW Barents Sea**, *L. Rui, M. Rebesco, A. Caburlotto, J.L. Casamor, R.G. Lucchi, A. Camerlenghi, R. Urgeles, K. Andreassen, T.J.J. Hanebuth, A. Özmaral, D. Accettella*
- 15 **Italian Hydrographic Institute and OGS Arctic Surveying and Mapping**, *R. Ivaldi, M. Rebesco*

ATMOSPHERE

- 16 **Atmospheric Observations at Amundsen Nobile Climate Change Tower**, *A.P. Viola, M. Mazzola, F. Tampieri, A. Pelliccioni, M. Schiavon, C. Lanconelli, A. Lupi, V. Vitale*
- 17 **Aerosol vertical profiles in the Arctic**, *M. Mazzola, M. Busetto, L. Ferrero, A.P. Viola, D. Cappelletti*
- 18 **Multi-seasonal ultrafine aerosol particle number concentration measurements at the Gruvebadet observatory**, *A. Lupi, M. Busetto, M. Mazzola, B. Petkov, C. Lanconelli, F. Giardi, R. Udisti, S. Becagli, A.P. Viola*
- 19 **Individual particle characterization of long range transported wildfire aerosols in the Arctic region**, *B. Moroni, S. Crocchianti, M. Mazzola, S. Becagli, R. Traversi, L. Caiazzo, R. Udisti, D. Cappelletti*
- 20 **Variability features of the ozone column and surface UV irradiance observed over Svalbard**, *B. Petkov, V. Vitale, M. Mazzola, A. Lupi, C. Lanconelli, A.P. Viola, M. Busetto*
- 21 **Surface radiation budget and role of clouds during the 2016 Study of the water VApour in the polar AtmosPhere (SVAAP) campaign at Thule, Greenland**, *D. Meloni, T. Di Iorio, A. Di Sarra, A. Iaccarino, G. Pace, G. Mevi, G. Muscari, M. Cacciani, J. Gröbner*
- 22 **First measurements of the new 22 GHz water vapour spectrometer VESPA-22 obtained during the SVAAP campaign at Thule, Greenland**, *G. Mevi, G. Muscari, M. Mari, D. Meloni, T. Di Iorio, A. Di Sarra, G. Pace, M. Cacciani*

POSTER SESSION

ICE AND SNOW

- 23 **Unmanned continuous reflectance monitoring of snowed surfaces**, *R. Salvatori, R. Salzano, G. Esposito, C. Lanconelli, M. Giusto, M. Montagnoli, M. Mazzola, A.P. Viola, V. Vitale*
- 24 **Chemical evolution of the surface and subsurface Svalbard annual snow**, *A. Spolaor, E. Barbaro, J.M. Christille, T. Kirchgeorg, F. Giardi, D. Cappelletti, C. Turetta, A. Bernagozzi, M.P. Björkman, E. Bertolini, C. Barbante*
- 25 **Snow atmospheric fluxes of reactive nitrogen species in the European high Arctic**, *A. Ianniello, F. Spataro, R. Salvatori, M. Valt, G. Esposito, M. Montagnoli*
- 26 **Exchange of Water Soluble Organic Compounds (WSOC) between aerosol and snow layers: investigation for new climate change markers**, *E. Barbaro, A. Spolaor, C. Turetta, T. Kirchgeorg, R. Zangrando, A. Gambaro, C. Barbante*

GLACIOLOGY

- 27 **Principal results of INGV Radio Glaciology group**, *J.A. Baskaradas, L. Cafarella, M. Serafini, I.E. Tabacco, S. Urbini, A. Zirizzotti*
- 28 **Water geochemistry of cryoconites in Eqip Sermia Glacier, Greenland: preliminary data**, *L. Sanna, A. Romeo*
- 29 **A subglacial lake at South-Spitzbergen, Svalbard: could it be possible?**, *D. Mansutti, E. Bucchignani, P. Glowacki*
- 30 **Isotopic and physical-chemical monitoring of glacial drainages and sea water in the Ny-Ålesund area, Svalbard**, *M. Doveri, M. Lelli, I. Baneschi, A. Provenzale*

FJORD SYSTEM

- 31 **Seawater properties and Ocean Heat Content in Kongsfjorden, Svalbard**, *S. Aliani, R. Sciascia, A. D'Angelo, F. Del Bianco, F. Giglio, L. Langone, S. Miserocchi*
- 32 **Temporal variability of particle fluxes in Kongsfjorden, Svalbard**, *A. D'Angelo, F. Giglio, L. Langone, S. Miserocchi, S. Aliani*
- 33 **Temporal variability of particle fluxes and bottom density-driven currents on the Storfjorden continental slope (Svalbard)**, *L. Langone, S. Aliani, A. D'Angelo, F. Giglio, S. Miserocchi, M. Bensi, V. Kovacevic, M. Rebesco, L. Ursella, D. Deponte, A. Wåhlin*
- 34 **Modern sediment distribution and composition within the Kongsfjorden, Svalbard Islands**, *S. Miserocchi, A. D'Angelo, F. Del Bianco, F. Giglio, L. Langone, T. Tesi, S. Aliani*

- 35 **Preliminary results of the oceanographic features of the bottom density-driven currents on the Storfjorden continental slope (Svalbard)**, *M. Bensi, V. Kovacevic, M. Rebesco, L. Ursella, D. Deponte, L. Langone, S. Aliani, S. Miserocchi, A. Wåhlin, T. Soltwedel, I. Goszczko, R. Skogseth*
- 36 **Unmanned vehicles for autonomous sensing and sensing**, *Ga. Bruzzone, A. Argentieri, Gi. Bruzzone, M. Caccia, M. Giacobelli, A. Odetti, E. Spirandelli, P. Soria, M. Azzaro, G. Caruso, G. Zappalà*

MARINE AND TERRESTRIAL ECOSYSTEM

- 37 **The effects of interaction of biotic and abiotic factors on CO₂ fluxes in polar environments**, *A. Augusti, N. Cannone, E. Pallozzi, F. Malfasi, C. Calfapietra, E. Brugnoli*
- 38 **Microbial community dynamics in the Arctic Kongsfjorden: changes in abundances, activity and composition**, *M. Azzaro, G. Caruso, C. Caroppo, S. Miserocchi, F. Azzaro, F. Decembrini, R. Zaccone, M. Leonardi, R. Paranhos, A. Lo Giudice, G. Zappalà, Ga. Bruzzone, F. Crisafi, R. Denaro, R. La Ferla*

DATA MANAGEMENT

- 39 **INGV data management system in ARCA project**, *U. Apponi, V. Romano, L. Spogli, G. De Franceschi, S. Longo, A.P. Viola, C. Elefante*
- 40 **The Italian Arctic Data Center (IADC) - a digital infrastructure for managing data acquired in the Arctic region**, *S. Longo, A.P. Viola, C. Elefante, M. Mazzola*