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DGS UNMIG

The Directorate General for Safety National Mining Office for Hydrocarbons and Georesources is accountable for the activities of technical management, monitoring, supervision and environmental safety of upstream activities.

To carry out this mission the Directorate General for safety deploys a rich heritage of technical, administrative and policy know-how in the hydrocarbon sector that in 2017 celebrates its 60th anniversary from its foundation. Such commitment delivers excellent results in the field of prevention by the UNMIG Sections on Italian territory along with Chemical and Mineralogical Analysis Laboratories.

A renewed momentum in skills has reached a milestone in 2015 when DGRME (Directorate General for Mineral Resources and Energy) was transformed in the Directorate General for Safety- UNMIG - as a result of the transposition of DIRECTIVE 2013/30 / EU for safety of offshore activities, with the ultimate objective of integrating environmental and socio-economic aspects in the management of the underground mineral and energetic resources: hydrocarbon, raw materials and geothermy. In this framework the Directorate is committed to continuous action ind monitoring safety objectives and sustainable development of upstream activities in Italy, in international relations to guarantee an exchange of best practices and in the development of regulations and cutting edge policy. In this renewed role, alongside traditional activities, also the dialogue with stakeholders, communities and citizens, statistical analysis, open data and applied scientific research have become strategic. From 2014, the Directorate created and coordinates a network of national research centres and universities specialized in the various aspects of safety and of relevant strategic sector.

Ministry of Economic Development
Directorate General for Safety of Mining and Energy Activities
National Mining Office for Hydrocarbons and Georesources

Palazzo Piacentini Ph (+39) 06 4705 2859 Fax (+39) 06 4788 7802 Email dgsunmig@segreteria@mise.gov.it PEC dgsunmig.dg@pec.mise.gov.it Web: http://unmig.mise.gov.it



60° UNMIG 1957-2017

GEOTHERMAL ENERGY: THE CURRENT SITUATION AND FUTURE DEVELOPMENTS



31th MARCH 2017 9.00 a.m. - 1.00 p.m

Ravenna, Pala DeAndrè - Arena (Hall 4)

GEOTHERMAL ENERGY: THE CURRENT SITUATION AND FUTURE DEVELOPMENTS



In terms of energy, sustainable development requires the use of advanced technologies, in order to avoid environmental pollution problems. With this event, the DIRECTORATE GENERAL FOR SAFETY OF MINING AND ENERGY ACTIVITIES- National Mining Office for Hydrocarbons and Georesources intends to take stock of the situation in Italy and in other European countries, in relation to a prime source of energy, such as geothermal heat. In Italy at the moment there are a number of plants for the production of electricity from geothermal heat, of the traditional type. At the same time some small experimental plant projects are being approved at the Ministry of Economic Development. With these systems we will test a new type of production process, without polluting emissions. These projects require cutting-edge technologies for the plants, and new well completion techniques, in order to optimize the underground multiphase reinjection, which is the most challenging aspect of the program.

REGISTRATION 9.00 am 9.30 am **OPENING SPEECH** Franco Terlizzese Director General for Safety National Mining for Hydrocarbons and Georesources Ministry of Economic Development THE CURRENT SITUATION IN ITALY AND IN FUROPE 9.45 am Federica Fratoni Concillor for the Environment and Soil Conservation Tuscany Region Marcello Saralli Director National Mining Office for Hydrocarbons and Georesources Section of Rome Ministry of Economic Development **Fabio Moia** Expert in Geothermal Energy Directorate General for Safety of Mining and energy activities Ministry of Economic Development Ruggero Bertani President EGEC (European Geothermal Energy Council) **Katiuscia Eroe** Responsible Energy Legambiente Italy 10.40 am KMT INFRASTRUCTURE FOR INTERNATIONAL RESEARCH **Paolo Papale** Director of Research, INGV - Istituto Nazionale di Geofisica e Vulcanologia, Italy COFFF BRFAK 11 00 am

11.15 am Innovative Tecnologies **Angelo Calderoni**

Vice President Research And Development Drillmec SpA

Bodo von Düring, CEO CloZEd Loop Energy AG, **Lorenz Ueing**, Project Manager CloZEd Loop Energy AG

Joseph Bonafin

Sales Leader, Geothermal Division Turboden SpA

Marco Paci

Head of Geothermal Environmental Technology

Implementation, Technical Support Geothermal Italy O&M, Enel Green Power Spa

Roberto Bonciani

Head of Technical Support Geothermal Italy O&M

Enel Green Power Spa

12.15 pm EXPERIMENTAL PLANTS

Fausto Batini

Chief Technical Officer Magma Energy Italia S.r.l.

Matteo Ceroti

Business Development Manager Sorgenia SpA

Franco Barberi

President of the Scientific Committee Itw Lkw

Geotermia Italia SpA

Roberto Troncarelli

Scientific director Geothermal Pilot Project

Latera Sviluppo S.r.l

12.55 pm CONCLUSIONS

Pietro Cavanna

President Hydrocarbons and Geothermal

Sector Assomineraria