

7th
Edition of

WORLD CONGRESS ON

GEOLOGY & EARTH SCIENCE



SEP 09-10,
2026



PARIS,
FRANCE



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EVENT



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7th Edition of World Congress on **GEOLOGY & EARTH SCIENCE** September 09-10, 2026, Paris-France

Scientific Program

Day 1- September 09, 2026

Meeting Hall - Paris 1

Registrations Open (08:00 - 08:45)

Welcome Ceremony (08:45-09:00)

Moderator:

Goulven G. Laruelle, *Université Libre de Bruxelles, Belgium*

Keynote Talks

Grote Katherine,
*Missouri University of
Science and Technology,
USA*

09:00 - 09:30

Title:- Soil property characterization using joint geophysical and UAV-based data sets – strategies and recommendations

Marc Legault,
UQAT, Canada

09:30 - 10:00

Title:- Vectorization towards LCT pegmatites : the case of the La Motte pluton, Abitibi Subprovince, Quebec, Canada

Lorraine Tighe,
ESRI, USA

10:00 - 10:30

Title:- Authoritative Geoscience at Scale: Connecting Data, Discovery, and Decisions

Group Photo & Refreshment Break (10:30-10:50)

Technical Session-I

Session Chairs:

Grote Katherine, *Missouri University of Science and Technology, USA*
Lorraine Tighe, *ESRI, USA*

Gaston Giuliani,
*University of Lorraine,
France*

10:50 - 11:10

Title:- Gem green garnets: What else?

Noushine Shahidzadeh,
*University of Amsterdam,
The Netherlands*

11:10 - 11:30

Title:- The surprising dynamics of multimineral salt crystallization

Gongwen Wang,
*China University of
Geosciences(Beijing),
China*

11:30 - 11:50

Title:- Multi-scale 3D modeling by machine learning and numerical simulation for potential magma conduit in the Kalatongke district, Xinjiang, China

Paul Tarabbia
*Saudi Aramco, Saudi
Arabia*

11:50-12:10

Title:- Incidence of Vugular Secondary Porosity within Upper Palaeozoic Clastic Rocks from the Northern Gondwanan Shelf

Yunwei Tang,
*International Research
Center of Big Data for
Sustainable Development
Goals, China*

12:10 - 12:30

Title:- From Earth Observation to SDG Monitoring: Innovations and Practices of SDGSAT-1

Neila Seray,
UQAT, Canada

12:30 - 12:50

Title:- Structural context and complexity of LCT pegmatites at the Shaakichiuwaanaan Project (Eeyou Istchee James Bay, Quebec).

Lunch Break @ Restaurant @ 12:50 - 14:00

Technical Session-II

Session Chairs:

Gaston Giuliani, *University of Lorraine, France*
Noushine Shahidzadeh, *University of Amsterdam, The Netherlands*

Tomas Vargas,
Universidad de Chile, Chile

14:00 - 14:20

Title:- Chloride leaching of copper ores: influence of NaCl on gangue dissolution and its effect on copper leaching kinetics

Emil Pučko,
Geological Survey of Slovenia, Slovenia

14:20 - 14:40

Title:- Identifying anthropogenic and natural sources of soil anomalies at mining sites

Xinchang Zhang,
Guangzhou University, China

14:40 - 15:00

Title:- From text-to-image to geospatial intelligence: AI large models for urban planning and design

Jasminka Alijagic,
Geological Survey of Slovenia, Slovenia

15:00 - 15:20

Title:- Advanced soil mapping techniques applied across diverse case studies

Ikram Atabekov, & Jasur Mamarakhimov,
Academy of Sciences of the Republic of Uzbekistan, Uzbekistan

15:20 - 15:40

Title:- From geodynamic modeling to artificial intelligence: earthquake forecasting in the Western Tien Shan

Refreshment Break @ 15:40 - 15:55

Mikhail Lokoshchenko,
Lomonosov Moscow State University, Russia

15:55 - 16:15

Title:- Urban Heat Islands in Moscow, smaller towns and villages in Moscow region

Yunhua Zhang,
National Space Science Center, CAS, China

16:15 - 16:35

Title:- TG2 InIRA monitors multiple submesoscale eddies within eight days in South China Sea

Chengming Yin,
*Oil and Gas Resources
Survey Center, China
Geological Survey, China*

16:35 - 16:55

Title:- Significant discovery of sub-salt Cambrian hydrocarbons in Keping uplift of the northwestern Tarim Basin and its exploration implications

Anatoly Vershinin,
*Lomonosov Moscow State
University, Russia*

16:55-17:15

Title:- Prediction of Thin-Layered Media Parameters Using Seismic Full-Waveform Modeling on GPU

Panel Discussion & Closing the Day 1

Day 2 - September 10, 2026

Meeting Hall - Paris 1

Welcome Ceremony (09:20 - 09:30)

Moderator:

Jasminka Alijagic, *Geological Survey of Slovenia, Slovenia*

Keynote Talks

Ian Waite,

Retired, U.S. Geological Survey, USA

09:30 - 10:00

Title:- Multiple lines of evidence point to pesticides as stressors affecting invertebrate communities in small streams in five United States regions

Stephen Ehrenberg,

Ehrenberg Geoconsulting, Norway

10:00 - 10:30

Title:- Solubility of calcite in petroleum basins - implications for reservoir diagenesis

Timothy Young,

University of Tennessee, USA

10:30-11:00

Title:- Quantifying the natural variation of 'data signatures' from aerosols using statistical control bands

Refreshment Break @ 11:00 - 11:15

Technical Session-III

Session Chairs:

Stephen Ehrenberg, *Ehrenberg Geoconsulting, Norway*
Cristiano Tolomei, *INGV, Italy*

Goulven G. Laruelle,

Université Libre de Bruxelles, Belgium

11:15 - 11:35

Title:- Extrapolation-based reassessment of the global estuarine surface area and implications for global biogeochemical budgets

Cristiano Tolomei,

INGV, Italy

11:35 - 11:55

Title:- Assessing Future Sea-Level Rise Along the Italian Coasts Using Geodetic Data, High-Resolution Topography, and Climate Projections

Chenglin Liu,
*China University of
Geosciences(Wuhan),
China*

11:55 - 12:15

Title:- Characteristics And Formation
Dynamics of Lithium-Rich Salt Lake
Brines in The Qinghai-Tibet Plateau,
Northwestern China

Jinyu Sheng,
*Dalhousie University,
Canada*

12:15 - 12:35

Title:- Advanced Ocean Modelling
for Predicting Sea Ice and Ocean
Currents over the Labrador Sea and
Adjacent Waters

Lihong Liu,
*Oil and Gas Resources
Survey Center, China
Geological Survey, China*

12:35 - 12:55

Title:- Source rock characteristics of
Cambrian Xiaerbulak Formation in
the Northwest Tarim Basin

Erik Sturkell,
*Gothenburg University,
Sweden*

12:55 - 13:05

Title:- Geologists on the Silver
Screen

Lunch Break @ Restaurant @ 13:05 - 14:00

**Technical Session-IV
Poster Viewing Session (14:00-14:30)**

Technical Session-V

Session Chairs:

Ian Waite, *Retired, U.S. Geological Survey, USA*

Timothy Young, *University of Tennessee, USA*

Miaoqing Miao,
*Oil and Gas Resources
Survey Center, China
Geological Survey, China*

14:30 - 14:50

Title:- The Basal Boundary of the Cambrian Yuertusi Formation and Development of High- Quality Source Rocks in the Northwestern Tarim Basin, NWChina: Evidence from Well KPN1

**Daniel Calisaya
Azpilcueta**,
*Universidad Católica del
Norte, Chile*

14:50 - 15:10

Title:- Mineral Flotation under High Uncertainty: Transition from a Response Surface Design to a Response Volume Design

Hani Al-Amoush
*Al al-Bayt University,
Jordan*

15:10 - 15:30

Title:- Investigating the Potential of Basaltic Lava Tubes for Groundwater Recharge using GPR and ERT Geophysical Techniques

Rachel Oladimeji,
*Kookd Multinational
Limited, Nigeria*

15:30 - 15:50

Title:- Petrophysical interpretation and Source Rock Assessments of the Pearl Field, Niger Delta

Refreshment Break @ 15:50 - 16:00

Poster Presentations

Day-2 (Sep 10, 2026)

Technical Session- IV (14:00-14:30) - Poster Viewing

Paraskevi Lampropoulou,
University of Patras, Greece

P-1

Title:- The effect of limestone geochemical and mineralogical characteristics on clinker quality

Szabadosné Sallay Enikő,
Supervisory Authority for Regulatory Affairs, Hungary

P-2

Title:- Estimation of the Locations of Movement-Prone Slopes in the Gerecse Mountains, Hungary Based on Empirical Variables

Kaisheng Xia,
China University of Geosciences(Wuhan), China

P-3

Title:- Highly Efficient Lithium Extraction from Brines Using H4Ti5O12-type Lithium-Ion Sieve

Dalia Inés Marín-Gálvez,
Universidad Mayor, Chile

P-4

Title:- Sibila: A predictive geospatial system for mass movement hazard assessment using multisource Earth observation data

Zhen Yang,
China University of Geosciences(Wuhan), China

P-5

Title:- Genesis of Lithium-rich Brines in the Jiangnan Basin: A Multi-source and Multi-driver Enrichment Model

Panel Discussions & End of the Day

VIRTUAL SESSION

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Scientific Program - Virtual Session

Day 2- September 10, 2026

Chuang Zhou, <i>China University of Geosciences(Wuhan), China</i>	10:40-11:00	Title:- Geochemical Characteristics and Sources of Potassium and Bromine in Salt-Lake Brines of the Junggar Basin, China
Mingliang Kang, <i>Sun Yat-sen University, China</i>	11:00-11:20	Title:- Redox Behavior of Variable-Valence Nuclides under Realistic Conditions of HLRW Repository
Liyun Tang, <i>Xi'an University of Science and Technology, China</i>	11:20-11:40	Title: Enhanced effect of ice nucleation active (INA) bacteria on the strength of warm permafrost
Mazova Raissa Khaimovna, <i>Nizhny Novgorod State Technical University, Russia</i>	11:40-12:00	Title:- Numerical Simulation of Tsunami Wave Generation and Propagation After The Earthquake Of July 29, 2025 In Kamchatka
Yose Waluyo, <i>Hasanuddin University, Indonesia</i>	12:00-12:20	Title:- Physiatry in Disaster Response: Lessons from Aceh Tamiang, Palu, and Lombok, Indonesia
Liudmila Boldyreva, <i>State University of Management, Russia</i>	12:20-12:40	Title:- Physical aspects of energy generation by cavity structures of Earth (e.g., caves, fissures, wells, etc.)
Pallabi Das, <i>CSIR, India</i>	12:40-13:00	Title:- Bridging Geochemistry and Chemical Engineering: A Comprehensive Approach To Acid Mine Drainage Remediation and Water Recovery
Vitaly Lysenko, <i>Moscow State University, Sevastopol Branch, Russia</i>	13:00-13:20	Title:- Features of the cold seeps of Laspi Bay (South Coast of Crimea)
Anna-Carin Nordvall, <i>Uppsala University, Sweden</i>	13:20-13:40	Title:- The Fromville effect of unsustainable consumer behaviour
Mabrouk Bachari, <i>North-West University, South Africa</i>	13:40-14:00	Title:- Sedimentology, paleoenvironmental variation and sequence stratigraphic context of the Cenomanian-Turonian Boundary Event (CTBE) in the southern margin of Tethys

Iria García-Moreiras, <i>University of Vigo, Italy</i>	14:00-14:20	Title:- Organic-walled dinoflagellate cyst assemblages in surface sediments of the Ría de Vigo (Atlantic margin of NW Iberia): a modern analogue for stratigraphic and paleoenvironmental reconstruction
Josef Halda, <i>Independent researcher, Czech Republic</i>	14:20-14:40	Title:- Lichens as Pioneers of Deglaciated Landscapes: Successional Dynamics in Fennoscandia
Vaios Avdis, <i>NKUA, Greece</i>	14:40-15:00	Title:- FAULTS, OROGENY, NAPPES and PLATE TECTONICS
Samia Khadhar, <i>Water Research and Technology Center (CERTE), Tunisia</i>	15:00-15:20	Title:- Leaching of organic micropollutants and heavy metals and their risk assessment in irrigated perimeters with wastewater using Lysimter in Oued Souhil Northeastern Tunisia
María José Toledo Arcic, <i>University of Applied Sciences Dresden (HTWD), Germany</i>	15:20-15:40	Title:- Multistage Shear Behavior of Gravel–Sand–Fines Mixtures Based on the RSCS Framework
Maddalena Marchelli, <i>Politecnico di Torino DISEG, Italy</i>	15:40-16:00	Title: A fragmentation-aware framework for quantitative rockfall risk assessment and protective-measure design: towards more reliable risk management
Saad Jasim, <i>University of Windsor, Canada</i>	16:00-16:20	Title:- Cyanotoxins in the Great Lakes basin and their removal in drinking water treatment plants
John Ebel, <i>Boston College, USA</i>	16:20-16:40	Title:- A spatial forecast of some $M_w \geq 6.5$ earthquakes in California and Nevada
Christopher Fowler, <i>West Virginia University, USA</i>	16:40-17:00	Title:- Detection of Zwan-Wolf effect in the ionosphere of Mars
Yongkang Xue, <i>University of California Los Angeles, USA</i>	17:00-17:20	Title:- The effects of Tibetan Plateau and Rocky Mountains spring land temperature on East Asian and North American summer extreme precipitation: Results from the GEWEX/LS4P Project

Closing the Day 2



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