Press Release

GEOFLUID 2026: INNOVATION AND SUSTAINABILITY IN UNDERGROUND FLUID TECHNOLOGY

Piacenza, June 24, 2024 - Piacenza Expo is pleased to announce the 2026 edition of **GEOFLUID,** an international exhibition of technology and equipment for underground fluids prospecting, extracting and conveying. The event will be held at Piacenza Expo **from October 7 to 10, 2026**, and will be a key meeting point for professionals and companies in the geotechnical, underground energy, hydraulic defenses, drilling and special foundations sectors.

International Relevance

GEOFLUID is confirmed as an event of global relevance, as evidenced by the exceptional turnout of visitors at the last edition, who came from 120 foreign countries. This confirms GEOFLUID's centrality as a global platform for the exchange of knowledge, technologies and business opportunities in the underground fluids industry.

International Market Overview

Geotechnical Sector

Globally, the geotechnics market is experiencing rapid expansion. According to a report by Global Market Insights, the value of the global geotechnical market is expected to reach $7.4 billion by 2025, with a compound annual growth rate (CAGR) of 6.5 percent. Growing demand for resilient infrastructure and the adoption of advanced technologies are driving this sector, with an increasing focus on sustainability and smart management of land resources.

Geothermal and rare earths

The global geothermal market is set to grow significantly in the coming years. According to the International Renewable Energy Agency (IRENA), installed geothermal power capacity could triple by 2030, reaching more than 32 GW globally. This growth is fueled by increased demand for renewable energy and technological innovation that makes geothermal energy increasingly competitive and affordable. Thanks to geothermal-related processes, obtaining lithium also finds an alternative to traditional mining. The development of a supply chain in this field, fundamental to the technology industry and renewable energy, could bring environmental and strategic benefits.

Hydraulic Defenses

The hydraulic defenses sector is essential to addressing the growing risks associated with climate change. According to a report by Markets and Markets, the global hydraulic defense infrastructure market is projected to grow from $21.4 billion in 2020 to $32.5 billion by 2027, a compound annual growth rate of 6.2 percent. Investments in advanced technologies for hydrological risk mitigation and water resource management are at the heart of this expansion.

Special Foundations - large civil engineering infrastructure

The special foundations market is crucial for building modern and resilient infrastructure. According to a report by Transparency Market Research, the global special foundations market is expected to reach $9 billion by 2027, with a CAGR of 5.8 percent. The adoption of advanced drilling techniques and soil stabilization solutions is revolutionizing the industry, improving construction safety and sustainability.

Digital Revolution and Artificial Intelligence.

GEOFLUID 2026 will set the stage for the digital revolution on the construction site, with a focus on the use of artificial intelligence (AI) for geognostic and subsurface investigations. AI technologies are transforming geotechnical data collection and analysis, improving the accuracy and efficiency of operations. Supercomputers and advanced simulation systems enable a detailed view of the subsurface, optimizing mining and resource management processes. Advanced mechanization in this sector offers substantial improvements in safety and operational yields.

Digitization in drilling and design of special civil engineering infrastructure, tunneling, prevention of hydrogeological disruption, water well management, and fluid capture is another vital aspect of the event. Digital geosciences are opening new frontiers, enabling more sustainable and intelligent management of natural resources.

European calls for environmental and energy interventions.

GEOFLUID 2026 offers a unique opportunity to explore available European calls for environmental and energy interventions. The European Commission recently allocated more than 10 billion euros for the period 2024-2027 for projects that promote environmental sustainability and energy efficiency. During the event, industry experts and representatives from European institutions will present funding opportunities and guide companies through the application processes.

GEOFLUID 2026

GEOFLUID 2026 promises to be a must-attend event for all industry professionals. With more than 300 exhibitors from around the world and an exhibition area of 30,000 square meters, the show will offer a comprehensive overview of the latest innovations and technologies. Visitors will have the opportunity to participate in lectures, workshops and live demonstrations, interacting with experts and industry leaders.

GEOFLUID 2026 will focus on key topics such as sustainability, technological innovation, and natural resource management, with an emphasis on the challenges and opportunities of the future.

GEOFLUID 2026 is the ideal place to explore emerging trends and innovative solutions in geotechnics, geothermal energy, hydraulic defenses, rare earths, and special foundations. We invite you to attend this unique event to discover how the underground fluids industry is shaping the future.

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Sources:

1. Global Market Insights, "Geotechnical Engineering Market Size Report", 2023.
2. IRENA, "Renewable Capacity Statistics 2023".
3. Markets and Markets, "Hydraulic Infrastructure Market Report", 2023.
4. Transparency Market Research, "Specialty Foundations Market Report", 2023.
5. Commissione Europea, "Programmi di finanziamento per la sostenibilità ambientale ed energetica", 2024.

Trend Words - Digitization, Hydrogeology, Artificial Intelligence, BIM - Building Information Modeling, Sustainable Technologies, Geothermal Energy, Earthquake Engineering, Tunneling, Drilling Automation, Smart Materials, Deep Drainage, Climate Change.