TAILINGS BRAZIL 2025

07/01/2025	Tuesday

08:00

Auditório — **Registration**

09:00

Auditório — **Opening Cerimony**

09:30

Auditório — **Panel 1: Communication in crisis management related to tailings disposal facilities**

Summary: This panel aims to discuss the challenges and best communication practices in crisis management at tailings disposal facilities in the mining sector. Cases will be presented, focusing on the role of communication in improving public understanding and ensuring the clear and accurate transmission of facts. We will discuss the importance of a quick and consistent response versus the challenges for companies in dealing with and responding to the media; we will discuss best practices for transparent and efficient crisis management and how to improve the communication response in events involving tailings disposal facilities.

11:00

Auditório — **Coffee-Break**

11:30

Auditório — **Palestra Magna: Tailings Management is about Water Management.**

Summary: One common denominator for most TSF failures in the last four decades has been inadequate water management. Whether it was pond location control, excessive seepage, high phreatic surfaces in the dams, poor seasonal planning or monitoring, or uncontrolled groundwater issues that were not considered in design, water has been at the core of many such unfortunate events. This presentation will discuss some of these failures and how water can be identified as the “real culprit” in most cases. It will also discuss some leading practices in water management as they relate to dam safety. The presentation will also take a hard look at (and bust) some myths, that somehow found a place in tailings management practice, and which have no impact in ensuring resilience and robustness of TSFs when managing upset water conditions.

12:30

Auditório — **Coffee-Break**

TAILINGS BRAZIL 2025

14:00

Auditório

Panel 2: The challenges of recurring updates in hypothetical failure studies and compliance with deadlines and legal requirements

Summary: The panel will address the challenges faced in managing updates to hypothetical failure studies, considering the complexity of meeting deadlines and legal requirements. The different deadlines in federal and state legislation will be discussed, with emphasis on the deadline set by the state of Minas Gerais for analyzing and issuing opinions on Emergency Action Plan for Mining Dams (PAEBMs in the Portuguese acronym). These will be the deadlines for updating required studies, which are requested at intervals that are incompatible with the dynamics of the processes, creating operational and legal challenges.

15:00

Auditório

Panel 3: Hypothetical failure studies: situations that navigate the edge of knowledge

Summary: Hypothetical failure studies of tailings disposal facilities face a number of technical challenges due to the complexity involved in risk assessment and waste management. Some of these challenges include modeling and predicting behavior, technology and evaluation tools. In this panel we will discuss the main challenges in constructing hypothetical failure scenarios, one of which is the large number of factors to consider - examples: variability of materials, the behavior of failures under different load, humidity and pressure conditions, and interaction with the natural environment.

16:00

Auditório

Coffee-Break

16:20

Auditório

Panel 4: Territories with shared impacts: potential pathways for collaborative efforts and effective territorial risk management.

Summary: Collaboration between different actors in and around the same territory is essential in disaster risk management. This panel will discuss the complexity of territories affected by multiple risks, solutions and governance that enable collaboration between different social and territorial sectors to address risks in an integrated way, the use of technologies for monitoring risks and the main challenges in implementing collaborative strategies and suggestions for ways to overcome them.

17:30

Auditório

Summary of the day

TAILINGS BRAZIL 2025

07/02/2025	Wednesday

08:00

Auditório — **Registration**

09:00

Auditório — **Panel 5: Safety in Tailings Pile Disposal**

Summary: The mining sector is constantly seeking alternatives for the disposal of tailings and waste materials. The disposal in piles stands out as another important solution, and constant improvements in its management to reduce environmental impacts and increase the efficiency of the process have been one of the major efforts of the mining industry. This panel will address these issues, highlighting how this solution is being implemented to make the activity more sustainable.

10:30

Auditório — **Coffee-Break**

11:00

Auditório — **Palestra Magna: Global Tailings Management Institute (GTMI)**

Summary: An update on the status of the recently launched Global Tailings Management Institute, which will oversee the implementation and conformance with the Global Industry Standard on Tailings Management (GISTM).

12:30

Auditório — **Coffee-Break**

14:00

Auditório — **Panel 6: Monitoring tailings facilities and their importance for risk mitigation**

Summary: Geotechnical monitoring of tailings disposal facilities is fundamental to managing the safety and integrity of these facilities. Continuous monitoring offers valuable data for assessing the evolution of the structural conditions. However, implementing and maintaining these systems comes with financial, technological, and operational challenges, which require ongoing investment and collaboration between authorities, companies, and experts in the field.

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15:00

Auditório

Panel 7: From plant to final disposal: effects of ore properties and operating parameters on dewatering, filtering and tailings disposals

Summary: The efficiency of the dewatering, filtering and final disposal stages is directly related to the physical-chemical properties of the ore and the operating conditions of the process. In this panel we will discuss how mineralogical, rheological and operational variables impact the performance of tailings dewatering and disposal systems. Case studies will be presented that highlight the importance of a multidisciplinary approach to optimizing these processes, aiming for greater efficiency in the final disposal of tailings, with a focus on safety and sustainability.

16:00

Auditório

Coffee-Break

16:20

Auditório

Panel 8: Review of Brazilian Regulated Standard ABNT NBR 13.028: the construction of the text on tailings piles

Summary: This panel will present the history of the process of revising the Brazilian Regulated Standard ABNT NBR 13.028 to include the text on tailings piles, and the main discussions that marked the revision meetings. The importance of technical standards for creating a more structured and efficient regulatory and normative environment for managing the disposal of mining tailings and waste, in line with best practices, will also be discussed.

17:20

Auditório

Closing Session
