



# EXPOSIBRAM2024

Mineração do Brasil | Expo & Congresso  
Brazilian Mining | Expo & Congress

09/09/2024

segunda-feira

**08:30**

Sala 37

## III SEMINAR ON ENVIRONMENTAL MANAGEMENT IN MINING

Summary: Admittance only for delegates registered with SOBRADE. Badges of Expositram 2024 Congress and Expo are not admitted to this activity

**16:30**

AUDITÓRIO

## ENERGY TRANSITION IN BRAZIL

**18:00**

AUDITÓRIO

## OPENING CEREMONY



# EXPOSIBRAM2024

Mineração do Brasil | Expo & Congresso  
Brazilian Mining | Expo & Congress

10/09/2024

terça-feira

08:30

Sala 37

### III SEMINAR ON ENVIRONMENTAL MANAGEMENT IN MINING

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09:00

PALCO B -  
ARCELORMITTAL

### LEGISLATIVE ACTION FOR SUSTAINABLE DEVELOPMENT: ENERGY TRANSITION, FOOD SECURITY AND POLICY FOR CRITICAL AND STRATEGIC MINERALS

Summary: Learn about the construction of the Parliamentary Front for Sustainable Mining in 2023 and its movement with the bills in the National Congress throughout 2024.

09:00

PALCO A HOC

### PANEL MARKET PERSPECTIVES AND IRON ORE

09:00

PALCO C - CASA  
DOS VENTOS

### IBRAM GHG INVENTORY - INDUSTRY RESULTS

09:00

PALCO D

### PSYCHOLOGICAL SAFETY PANEL: APPROACH TO HEALTH AND SAFETY OF OPERATIONS

09:00

PALCO E

### PANORAMA DA AUTOMAÇÃO EM LABORATÓRIOS – PRESENTE E FUTURO

10:30

PALCO A HOC

### IBRAM/MINING HUB DECARBONIZATION PROJECT - ZERO CARBON MINING

10:30

PALCO B -  
ARCELORMITTAL

### THE USE OF ARTIFICIAL INTELLIGENCE AND INNOVATIONS IN GEOINFORMATION APPLIED TO MINING

10:30

PALCO E

### TRAINING AND REPLACEMENT OF THE WORKFORCE FOR QUALITY CONTROL IN MINING COMPANIES: CHALLENGES AND OPPORTUNITIES

10:50

PALCO D

### SEPRO PANEL: GENERATION OF VALUE IN PROCESS SAFETY MANAGEMENT IN MINING COMPANIES



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11:00  **casadosventos**  
associada à TotalEnergies

**PALCO C - CASA  
DOS VENTOS**

**MINERAL SECURITY, ENERGY SECURITY, FOOD SECURITY, WATER SECURITY**

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**12:30**

**PALCO A HOC**

**BREAK**

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**12:30**

**PALCO B -  
ARCELORMITTAL**

**BREAK**

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**12:30**

**PALCO C - CASA  
DOS VENTOS**

**BREAK**

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**12:30**

**PALCO D**

**BREAK**

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**12:30**

**PALCO E**

**BREAK**

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14:00  **ArcelorMittal**

**PALCO A HOC**

**MINING ESG AGENDA (COMPANIES PARTICIPATING IN THE IBRAM PROGRAM)**

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14:00  **ArcelorMittal**

**PALCO D**

**GOOD PRACTICES IN MINING AWARD | OCCUPATIONAL HEALTH FINALISTS**

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14:00  **ArcelorMittal**

**PALCO E**

**GOOD PRACTICES IN MINING AWARD | ENERGY EFFICIENCY FINALISTS**

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14:00  **ArcelorMittal**

**PALCO C - CASA  
DOS VENTOS**

**DEMANDS FROM THE AUTOMOTIVE INDUSTRY FOR MINING**

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14:00  **ArcelorMittal**

**PALCO B -  
ARCELORMITTAL**

**MINING ESG AGENDA (COMPANIES PARTICIPATING IN THE IBRAM PROGRAM)**

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**15:10**

**PALCO E**









**GOOD PRACTICES IN MINING AWARD | ENERGY EFFICIENCY FINALISTS**

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Brazilian Mining | Expo & Congress

<b>15:10</b>	
<b>PALCO D</b>	<b>GOOD PRACTICES IN MINING AWARD   OCCUPATIONAL SAFETY FINALISTS - TOPIC: OPERATIONS ON MOBILE MACHINES AND EQUIPMENT</b>
<b>15:30</b>	
<b>PALCO B - ARCELORMITTAL</b>	<b>CEO'S MINING HUB PANEL - TRANSFORMATIVE INNOVATION: REDEFINING THE MINING CHAIN</b>
<b>15:30</b>	
<b>PALCO C - CASA DOS VENTOS</b>	<b>MINING FINANCING MECHANISMS</b>
<b>15:30</b>	
<b>PALCO A HOC</b>	<b>MINING REPUTATION IN BRAZIL</b>
<b>16:20</b>	
<b>PALCO D</b>	<b>GOOD PRACTICES IN MINING AWARD   SAFETY OF FINAL PROCESSES - TOPIC: PROCESS SAFETY INTEGRATED INTO THE OPERATIONAL ROUTINE</b>
<b>16:30</b>	
<b>PALCO C - CASA DOS VENTOS</b>	<b>OPPORTUNITIES TO IMPROVE MINERAL LEGISLATION</b>
<b>16:30</b>	
<b>PALCO E</b>	<b>FORMS OF ENERGY STORAGE &amp; BATTERIES IN THE NEW LOW-CARBON ECONOMY PANEL</b>
<b>16:30</b>	
<b>PALCO A HOC</b>	<b>WIMBRASIL PANEL - BUILDING RESPONSIBLE MINING: THE ROLE OF MEN IN GUARANTEING EQUITY IN THE MINERAL SECTOR</b>
<b>16:30</b>	
<b>PALCO B - ARCELORMITTAL</b>	<b>PRESENTATION OF INNOVATION GT CASES AND LAUNCH OF THE II E-BOOK "INNOVATION IN THE MINING SECTOR"</b>
<b>17:00</b>	
<b>PALCO B - ARCELORMITTAL</b>	<b>INNOVATION: UNLOCKING VALUE IN THE MINING SECTOR</b>
<b>17:30</b>	
<b>PALCO E</b>	<b>LAUNCH OF THE IBRAM ENERGY EFFICIENCY GUIDE</b>
<b>17:30</b>	
<b>PALCO D</b>	<b>GUIDELINES FOR PROCESS SAFETY IN MINING IN BRAZIL</b>



# EXPOSIBRAM2024

Mineração do Brasil | Expo & Congresso  
Brazilian Mining | Expo & Congress

18:00  HOCHSCHILD

Sala 37

## **..XVI ENEMINAS – CHALLENGES AND PERSPECTIVES IN MINING WATER MANAGEMENT: Innovations, Sustainability and Environmental Resilience**

Summary: Admittance only for delegates registered at ENEMINAS. Badges of Exposibram 2024 Congress and Expo are not admitted to this activity

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18:00  HOCHSCHILD

PALCO A HOC

## **LAUNCH OF THE MINING PANORAMA**

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18:15  HOCHSCHILD

PALCO A HOC

## **AWARDS TIME (FREE ACCESS)**

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# EXPOSIBRAM2024

Mineração do Brasil | Expo & Congresso  
Brazilian Mining | Expo & Congress

11/09/2024

quarta-feira

09:00

PALCO D

ECONOMIC GEOLOGY AND ECONOMIC ASSESSMENT OF MINING PROJECTS

09:00

PALCO C - CASA  
DOS VENTOS

TSM BRASIL: CONVERGENCES OF SELF-REGULATION TOOLS IN THE MINERAL  
SECTOR

09:00

PALCO A HOC

GOLD PRODUCTION POTENTIAL IN BRAZIL

09:00

PALCO E

INNOVATIVE SOLUTIONS THROUGH THE MINING SUPPLY CHAIN ??- MINING HUB

09:00

PALCO B -  
ARCELORMITTAL

DIVERSITY, EQUITY AND INCLUSION | A SHARED VISION ABOUT THE FUTURE: HOW  
WILL WE BE RECOGNIZED IN 2030?

10:30

PALCO C - CASA  
DOS VENTOS

CIRCULAR ECONOMY AND MATERIAL RECOVERY

10:30

PALCO D

INTEGRATION OF REGULATORY ACTION IN BRAZIL

10:30

PALCO B -  
ARCELORMITTAL

PRESENTATION OF CRITICAL AND STRATEGIC MINERAL PROJECTS IN BRAZIL - PART 1

11:00  HOCHSCHILD

PALCO A HOC

FISCAL AND TAX RISKS

11:30  ArcelorMittal

PALCO B -  
ARCELORMITTAL

PRESENTATION OF CRITICAL AND STRATEGIC MINERAL PROJECTS IN BRAZIL - PART 2

12:00  casadosventos  
associada a TotalEnergies

PALCO C - CASA  
DOS VENTOS

LAUNCH OF THE II CIRCULARITY GUIDE FOR THE MINERAL SECTOR

12:30

PALCO A HOC

BREAK



# EXPOSIBRAM2024

Mineração do Brasil | Expo & Congresso  
Brazilian Mining | Expo & Congress

**12:30**

**PALCO B -  
ARCELORMITTAL**

**BREAK**

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**12:30**

**PALCO C - CASA  
DOS VENTOS**

**BREAK**

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**12:30**

**PALCO D**

**BREAK**

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**12:30**

**PALCO E**

**BREAK**

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**14:00**  associada a TotalEnergies

**PALCO E**

**FILTRATION: CHALLENGES FOR TAILINGS STACKING**

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**14:00**  associada a TotalEnergies

**PALCO B -  
ARCELORMITTAL**

**CRITICAL AND STRATEGIC MINERALS - GEOLOGY**

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**14:00**  associada a TotalEnergies

**PALCO A HOC**

**WHAT ARE THE MAJOR INVESTMENTS IN MINING AND THEIR CHALLENGES IN BRAZIL?**

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**14:00**  associada a TotalEnergies

**PALCO D**

**TRENDS IN MINERAL RESEARCH AND THE NEED FOR FINANCING IN BRAZIL**

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**14:00**  associada a TotalEnergies

**PALCO C - CASA  
DOS VENTOS**

**BRAZILIAN GEOPOLITICS FOR MINING, TRENDS IN SUSTAINABILITY AND CLIMATE LITIGATION**

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**15:00**  ArcelorMittal

**PALCO B -  
ARCELORMITTAL**

**CRITICAL AND STRATEGIC MINERALS - TECHNOLOGY**

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**15:30**

**PALCO C - CASA  
DOS VENTOS**

**MARKET FOR BASIC METALS**

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**15:30**

**PALCO A HOC**

**MINING REPUTATION**

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**15:30**

**PALCO D**

**THE STANDARDIZATION OF HOW TO REPORT THE DEFINITIONS OF MINERAL RESOURCES AND RESERVES**

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**16:30** 

**PALCO C - CASA DOS VENTOS**

**VOLUNTARY PRINCIPLES: A DIALOGUE ON SECURITY AND HUMAN RIGHTS**

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**16:30** 

**PALCO B - ARCELORMITTAL**

**FOUNDATIONS FOR A PUBLIC POLICY PROPOSAL FOR CRITICAL AND STRATEGIC MINERALS IN BRAZIL**

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**16:30** 

**PALCO E**

**NEW TECHNOLOGIES TO REDUCE WASTE GENERATION**

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**16:30** 

**PALCO A HOC**

**POLITICAL RISKS IN THE MINING BUSINESS**

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**16:50**

**PALCO D**

**ADVANCES AND TRENDS IN ENVIRONMENTAL LICENSING LEGISLATION**

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**17:45** 

**PALCO B - ARCELORMITTAL**

**WHAT IS BRAZIL'S ROLE IN THE GLOBAL AGENDA FOR STRATEGIC MINERALS?**

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**18:00**

**Sala 37**

**VI ENEMINAS – CHALLENGES AND PERSPECTIVES IN MINING WATER MANAGEMENT: Innovations, Sustainability and Environmental Resilience**

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12/09/2024

quinta-feira

09:00	
PALCO A HOC	OFFER AND AVAILABILITY OF MINING AREAS - ANM (NATIONAL MINING AGENCY)
09:00	
PALCO C - CASA DOS VENTOS	CERTIFICATION MODELS FOR SMALL AND MEDIUM MINING
09:00	
PALCO D	FERTILIZERS, CHEMICAL INDUSTRY AND MINING
09:00	
PALCO B - ARCELORMITTAL	USE AND TRANSPARENCY OF MINING ROYALTIES IN STATE AND MUNICIPAL GOVERNMENTS
09:00	
PALCO E	GEOPOLITICS IN CRITICAL AND STRATEGIC MINERALS
09:30	 HOCHSCHILD PALCO A HOC ACCREDITED INSPECTION FOR THE MINERAL SECTOR
10:20	
PALCO E	FINANCING FOR CRITICAL AND STRATEGIC MINERALS AND ENERGY TRANSITION IN BRAZIL
10:30	 ArcelorMittal PALCO C - CASA DOS VENTOS STAKEHOLDER MONITORING TOOLS
10:30	 ArcelorMittal PALCO D HOW TO INCREASE THE ADDITION OF VALUE TO MINERAL GOODS PRODUCED IN BRAZIL
10:30	 ArcelorMittal PALCO B - ARCELORMITTAL BUILDING LEGACY AND LOCAL ECONOMIC DEVELOPMENT: EXPERIENCES FROM THE MUNICIPAL MINERADORES AWARD
11:00	 HOCHSCHILD PALCO A HOC STATE MINING PLANS



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11:30  **casadosventos**  
associada à TotalEnergies

**PALCO C - CASA  
DOS VENTOS**

**DIALOGUE WITH COMMUNITIES - THE EXPERIENCE OF MINING COMPANIES**

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**12:10**

**PALCO E**

**INNOVATION FINANCING FUND**

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**12:30**

**PALCO A HOC**

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**12:30**

**PALCO B -  
ARCELORMITTAL**

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**12:30**

**PALCO C - CASA  
DOS VENTOS**

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**12:30**

**PALCO D**

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**12:30**

**PALCO E**

**BREAK**

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**14:00**  **HOCHSCHILD**

**PALCO B -  
ARCELORMITTAL**

**TRAJECTORY OF MINING IN THE LAST TWO DECADES WITH INDUSTRY MAGAZINES**

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**14:00**  **HOCHSCHILD**

**PALCO E**

**SUSTAINABILITY INDICATORS AND CRITERIA FOR MINE CLOSURE**

Summary: Planning for the closure of a mine is a strategic issue for mining companies. In addition to aspects related to safety, stability of structures and environmental recovery, socioeconomic impacts and economic diversification are fundamental elements for the sustainable development of territories with mining. In 2023, the Brazilian Mining Institute (IBRAM) launched research to update the Guide for Mine Closure Planning, which in 2024 presents a new version of the study with good practices and updates to standards and legislation.

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**14:00**  **HOCHSCHILD**

**PALCO C - CASA  
DOS VENTOS**

**HOW MINING COMPANIES HAVE CONTRIBUTED TO TRAINING AND WORKFORCE  
QUALIFICATION PROGRAMS IN THE TERRITORIES**

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**14:00**  **HOCHSCHILD**

**PALCO D**

**DISCUSSION ABOUT NUCLEAR MINERALS AND LEGISLATION IN BRAZIL**

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14:00 

PALCO A HOC

**SEBRAE (Brazilian Micro and Small Business Support Service) PANEL: ENCADEAR - SEBRAE & INVEST MINAS - CASES AND GOOD PRACTICES ON THE IMPORTANCE OF ESG IN VALUE CHAINS**

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15:45

PALCO A HOC

**APEX PANEL - ATTRACTING INTERNATIONAL INVESTMENTS FOR THE TRANSFORMATION OF CRITICAL MINERALS IN THE ENERGY TRANSITION**

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15:45

PALCO C - CASA  
DOS VENTOS

**ECONOMIC DIVERSIFICATION IN MINING TERRITORIES**

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15:45

PALCO B -  
ARCELORMITTAL

**WATER, MINING AND SOURCE CONSERVATION PANEL**

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15:45

PALCO D

**SMART AND SUSTAINABLE CITIES**

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15:45

PALCO E

**PREVENTING THE EFFECTS OF CLIMATE CHANGE ON MINING STRUCTURES**

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17:00

PALCO B -  
ARCELORMITTAL

**CLOSING CEREMONY**

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17:00

PALCO B -  
ARCELORMITTAL

**CLOSING CEREMONY**

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17:00

PALCO C - CASA  
DOS VENTOS

**CLOSING CEREMONY**

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17:00

PALCO D

**CLOSING CEREMONY**

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17:00

PALCO E

**CLOSING CEREMONY**

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**Sala 37**

## **.XVI ENEMINAS – CHALLENGES AND PERSPECTIVES IN MINING WATER MANAGEMENT: Innovations, Sustainability and Environmental Resilience**

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