

Mining Minerals and Metals (MMM) CCPS Subcommittee

Christophe Catala
Chair
Rio Tinto

Neisy Ellis
Co-chair
The Mosaic Co

MMM Leadership Team



Chair: Christophe Catala (Rio Tinto)



- Global Process Safety Chief Advisor at Rio Tinto (5 years)
- Overall 20 years of experience in Process Safety
- Previous experience in engineering & construction (Technip in France), and
- Operational experience at site and group level, overseeing PSM in Africa, Middle East and Europe (Sinopec)
- MSc Chemical engineering and H&S management from Grenoble / Bordeaux (France)

Co-Chair: Neisy Ellis (Mosaic Co.)



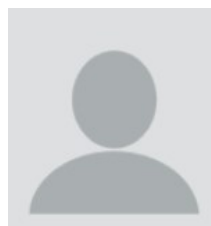
- Senior Manager, Process Safety at Mosaic (5 years)
- 18 years experience with Mosaic in various roles and locations throughout central Florida
- B.S. Chemical Engineering from University of Florida, M.B.A. from University of Tampa

Carmen H. Osorio, Ph.D. (CCPS)



- CCPS Regional Manager
- More than 15 years of experience in Process Safety
- Incident investigation experience at Exponent (Thermal Team)
- Process Safety and Risk Engineer at BP (Gulf of Mexico)
- Fire and Combustion Researcher at MKOPS and Combustion Lab

Secretary



- **Looking for volunteers**

Mining Minerals and Metals Subcommittee



Scope:

1. Companies involved in the metals, minerals, and mining industry
2. Metallurgic related organizations (i.e. steel producing companies)



Source: <https://education.nationalgeographic.org>



Source: <https://europe.autonews.com/>

Mining Minerals and Metals Subcommittee



Common effort by
CCPS member companies
involved in locating, excavating,
and processing metals, minerals,
and other geological resources



THE GLOBAL COMMUNITY COMMITTED TO PROCESS SAFETY

Mining Minerals and Metals Subcommittee



Objectives:

1. Support mining, minerals, and metallurgic industry around the world, using the **CCPS Risk Based Process Safety (RBPS)** as foundation.
2. Identify challenges and provide guidelines and tools to the MMM industry to **fill the gaps** on those areas not covered by current RBPS framework.
3. Sharing best practices – learning from each other (**Looking for volunteers to present**)

Activities of the committee

Development of monograph

- Our current work product: put together a monograph intended for mid-level, technical professionals, on how to start incorporating existing process safety techniques in accordance with our objectives
- Based on the *Plan, Do, Check, Act* cycle of Continuous Improvement
- Focuses specifically on contextual application of process safety to MMM of toolsets and publications
- Covers value proposition, scope of process safety within MMM, designing for process safety, and other items that the reader can understand while drawing upon existing knowledge and experience
- Scope, Plan, Do sections drafted, reviewed, and ready to incorporate in an overall draft
- Value Proposition, Check, Act sections are in progress
- Target completion from the working group is end of this year



Activities of the committee

Communication and development

- Regular team meetings
- 2 webinars per year
- Info Session during the 21st GCPS
- Sharing practices at CCPS conferences
 - ❑ 10th LACPS* in Barranquilla, 2024 (sessions and panel discussion)
 - ❑ 21st GCPS** Dallas, 2025 (sessions)

*LACPS: Latin America Conference on Process Safety

**GCPS: Global Conference on Process Safety





Christophe Catala



Carmen H. Osorio



Neisy Ellis



**Let us know if you / your
coworkers are interested
in joining the MMM
Subcommittee**

ccps@aiiche.org



