



**Chamber of Mines  
of the Philippines**

# Towards Sustainable Mining

**ROCKY G. DIMACULANGAN**

*Vice President for Communications and  
National Coordinator for Towards Sustainable Mining*

# Strict Regulatory Framework

- **PRE-EXPLORATION**  
Certificate of Satisfactory Environmental Management and Community Relations Record (CEMCRR)
  - Environmental Work Program (EnWP)
  - Safety and Health Program (integrated with the EnWP)
  - Community Development Program (CDP)
- Preparation of Environmental Impact Statement (EIS) as basis for an Environmental Compliance Certificate (ECC)

Prepare Social Development and Management Program (SDMP)

→ Implement Annual SDMP

Prepare Safety and Health Program (SHP) & Emergency Response Preparedness Program

→ Implement Annual SHP

Environmental Protection and Enhancement Program (EPEP) with Final Mine Rehabilitation and Decommissioning Plan (FMR/DP)

→ Implement Annual EPEP

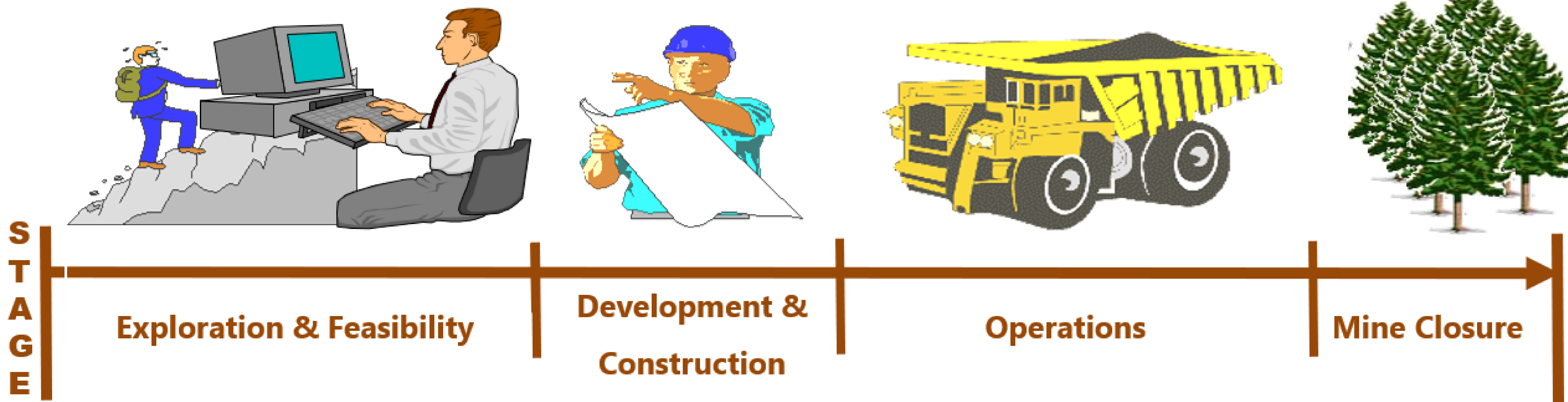
→ Establish the Contingent Liability and Rehabilitation Fund (CLRF) consist of RCF, MTF & MWTF

SHES Monitoring and Audit

Implement Final Mine Rehabilitation & Decommissioning Plan (FMR/DP)

- Decommissioning
- Rehabilitation
- Social
- Maintenance and Monitoring

POST CLOSURE



# More on our plate...

- **DENR DAO 2018-19**, which limited the maximum area that may be disturbed for nickel mines, and mandating the temporary revegetation of areas in excess of allowed areas to be disturbed;
- **DENR DAO 2018-20**, additional guidelines for evaluation and approval of 3-year work program;
- **MGB MC 2018-02**, providing guidance for compliance monitoring/scorecard for mining contracts;
- **DENR DAO 2017-07**, mandating participation by all mining contractors in PH-EITI;
- **MGB MO 20-001**, guidelines for mining projects under care and maintenance;
- **DENR DAO 2015-07**, mandating all mining contractors to secure ISO14001 certification;

# Partnership Agreement



# Towards Sustainable Mining



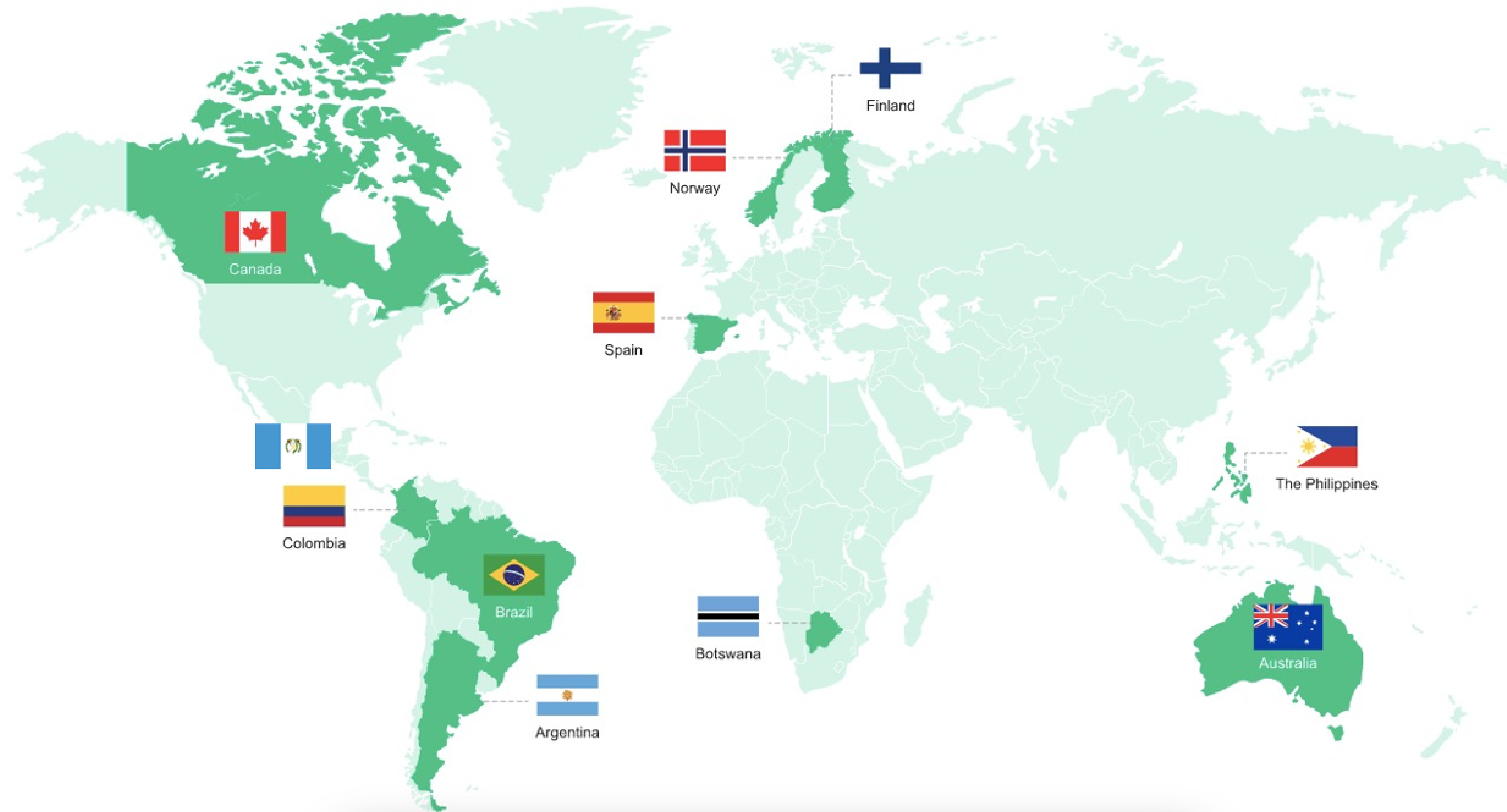
- Established in 2004, TSM is **a performance system** that helps mining companies **evaluate and manage** their **environmental and social responsibilities**

# Towards Sustainable Mining

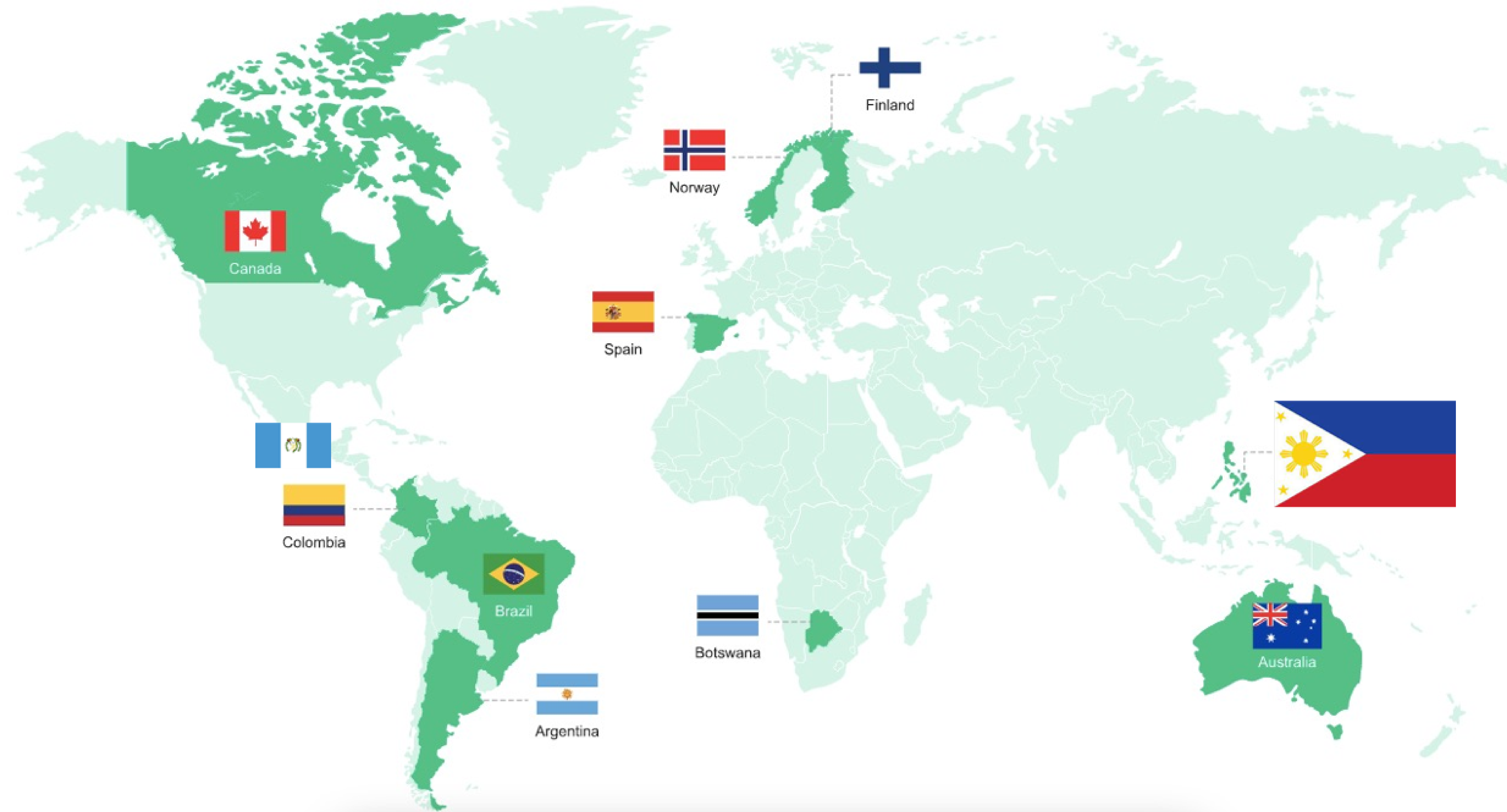


- Established in 2004, TSM is a **performance system** that helps mining companies **evaluate and manage** their **environmental and social responsibilities**
- **Core Strengths**
  - Performance Driven
  - Accountability
  - Transparency
  - Credibility

# Towards Sustainable Mining

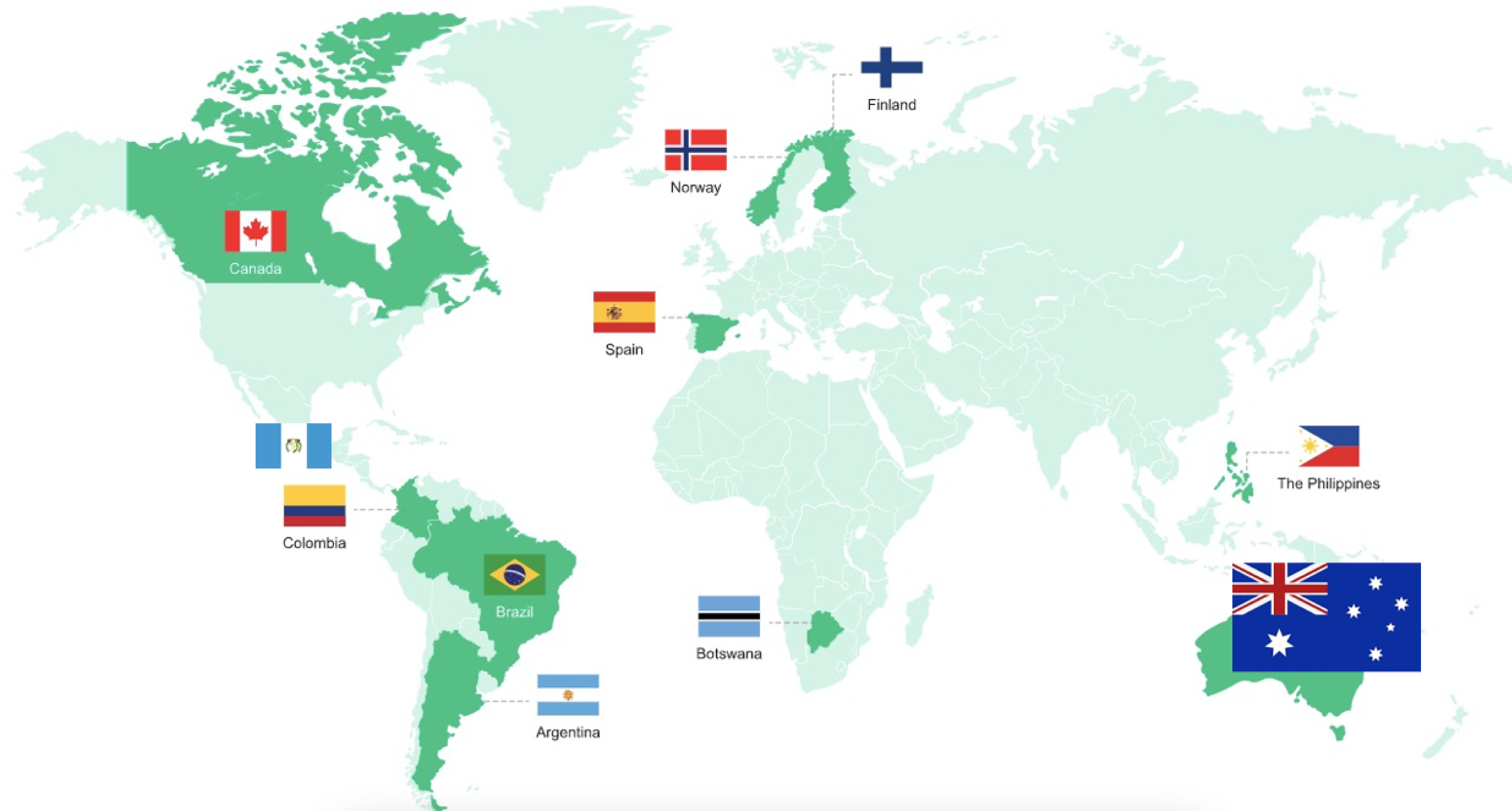


# Towards Sustainable Mining





# Towards Sustainable Mining



# TSM Protocols



## Communities and People

- 1 Safety and Health
- 2 Community and IP Engagement
- 3 Crisis Management and Communications
- 4 Child and Forced Labor

## Environmental Stewardship

- 5 Tailings Management
- 6 Water Management
- 7 Biodiversity Conservation Management
- 8 Climate Change

# TSM Protocols



## Communities and People

Safety and Health

Community and IP  
Engagement

Crisis Management  
and  
Communications

Child and Forced  
Labor

## Environmental Stewardship

Tailings Management

Water Management

Biodiversity  
Conservation  
Management

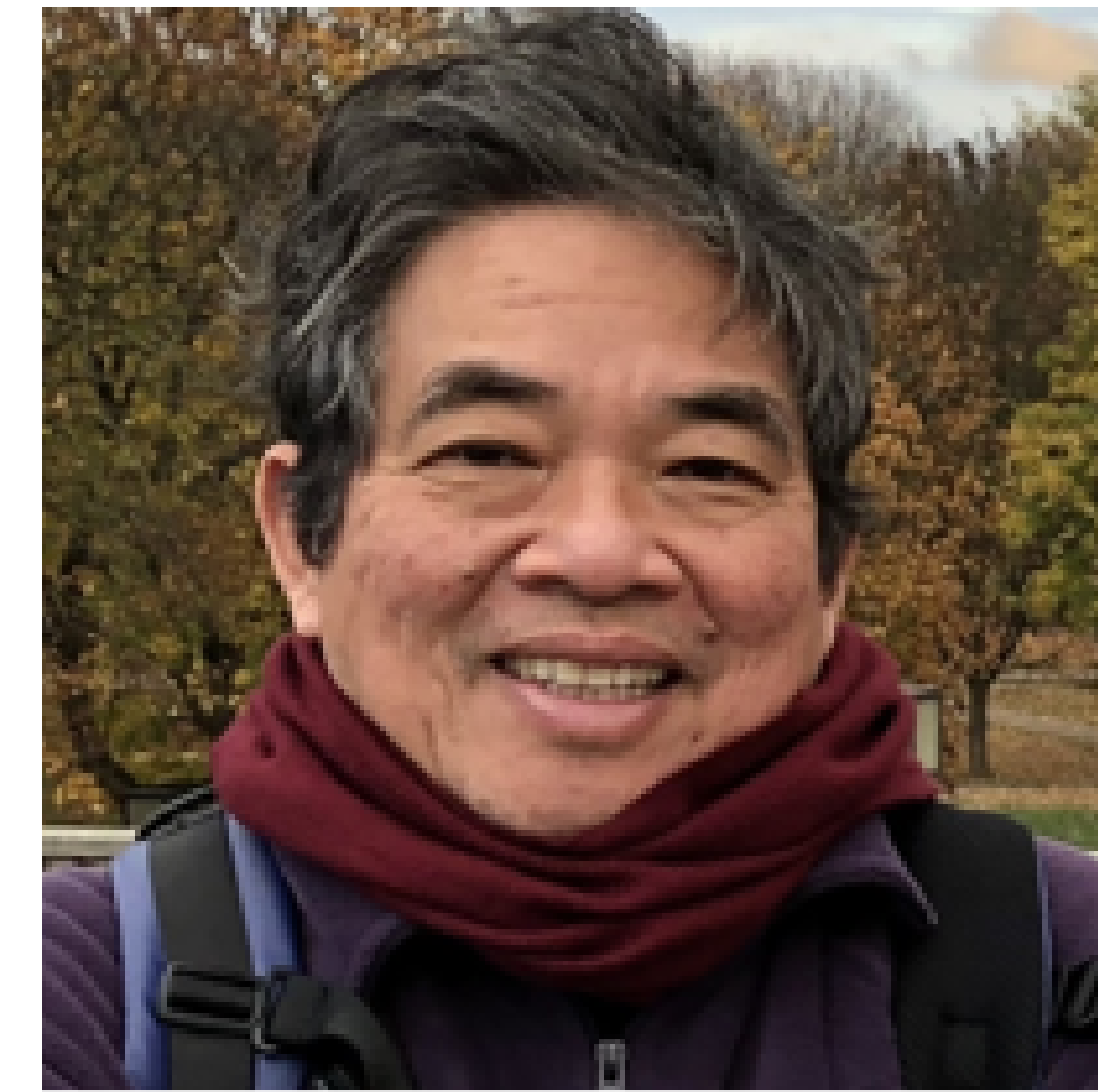
Climate Change

'FILIPINIZED'

# TSM Community of Interest Advisory Panel



**RONALD MENDOZA**  
Academe



**FILEMON STA. ANA III**  
Civil Society



**CARLOS PRIMO DAVID**  
Environment



**JEROME MARQUEZ, SVD**  
Religious



**LUCHI CRUZ-VALDES**  
Media



**GERARD SENO**  
Labor



**EDWIN DOMINGO**  
Policy/Technical



**JOSE MEJIA**  
Legal



**LIEZYL LITON-RELLETA**  
Environment/Forestry



**BENJAMIN ZARAGOZA**  
Finance



**ROGELIO BANTAYAN**  
Indigenous Peoples



**AL FRANCIS BICHARA**  
Local Government

# TSM Community of Interest Advisory Panel



Three COMP Trustees, on an *ex-officio* basis:



**GERARD H. BRIMO**  
Chairman  
Nickel Asia Corp.



**EULALIO B. AUSTIN, JR.**  
President  
Philex Mining Corp.

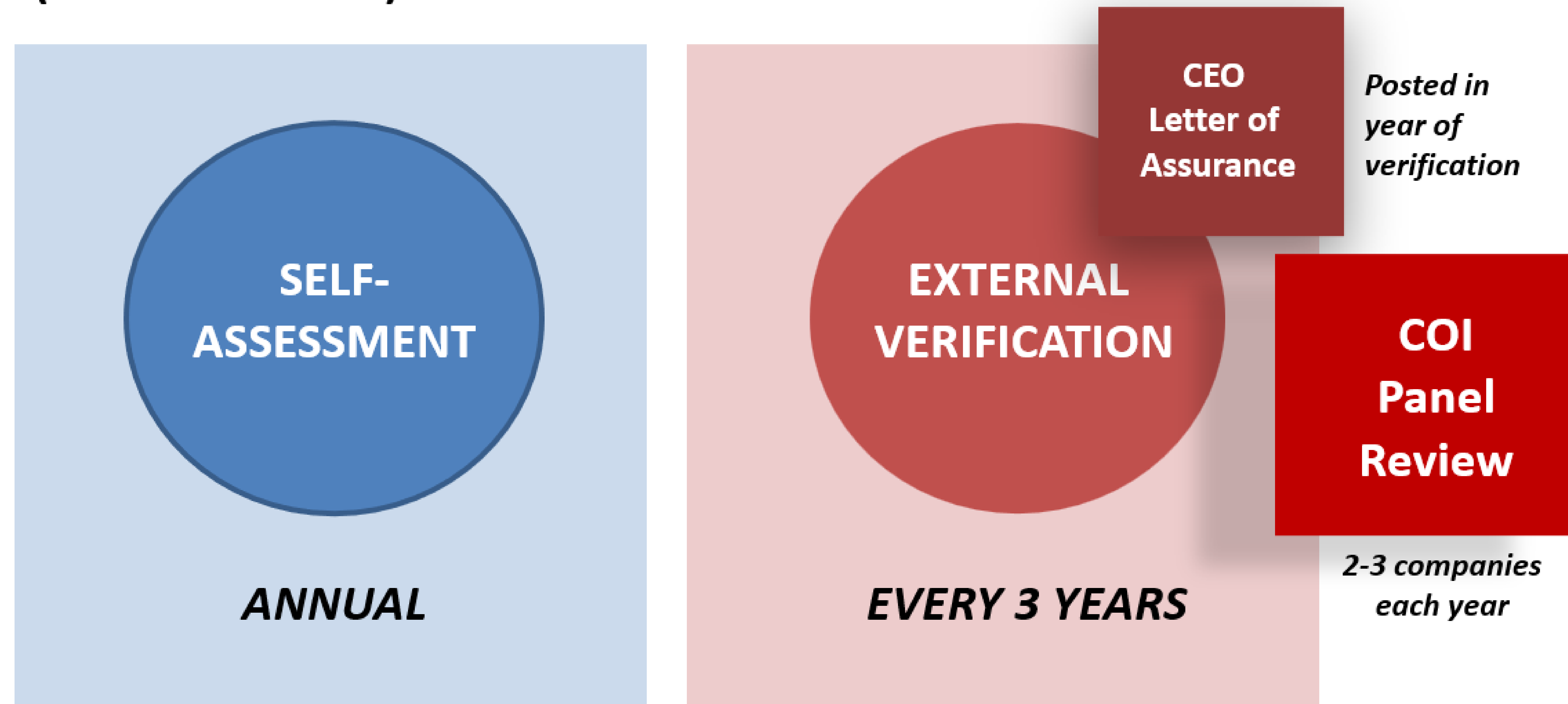


**DANTE R. BRAVO**  
President  
Platinum Group Metals  
Corp.



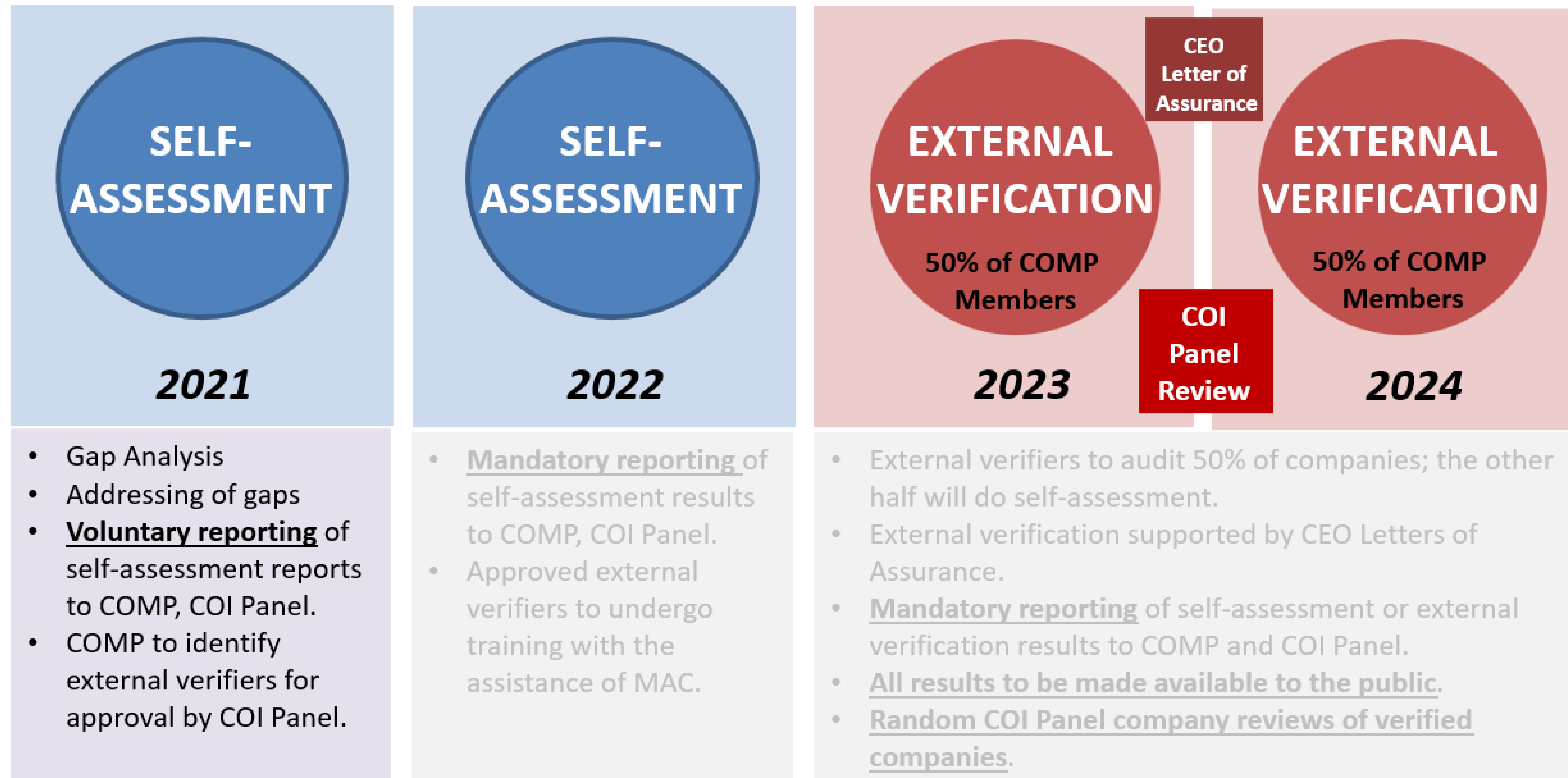
# TSM Layers of Verification

(A 3-YEAR CYCLE)





# Where we were.





# Where we are.

SELF-ASSESSMENT

2021

- Gap Analysis
- Addressing of gaps
- Voluntary reporting of self-assessment reports to COMP, COI Panel.
- COMP to identify external verifiers for approval by COI Panel.

SELF-ASSESSMENT

2022

- Mandatory reporting of self-assessment results to COMP, COI Panel.
- Approved external verifiers to undergo training with the assistance of MAC.

EXTERNAL VERIFICATION

50% of COMP Members

2023

- External verifiers to audit 50% of companies; the other half will do self-assessment.
- External verification supported by CEO Letters of Assurance.
- Mandatory reporting of self-assessment or external verification results to COMP and COI Panel.
- All results to be made available to the public.
- Random COI Panel company reviews of verified companies.

CEO Letter of Assurance

COI Panel Review

EXTERNAL VERIFICATION

50% of COMP Members

2024



# Our accredited VSPs



JOEY AYSON



JOSELITO BACANI



MICHAEL CABALDA



JOSE DAGALA



ROLAND DE JESUS



KARLA ESPINOSA



KATRINA FRANCISCO



KAREN JAGO-ON



CORINTHIA NAZ



CONSTANCIO PAYE



FERNANDO SAJONA



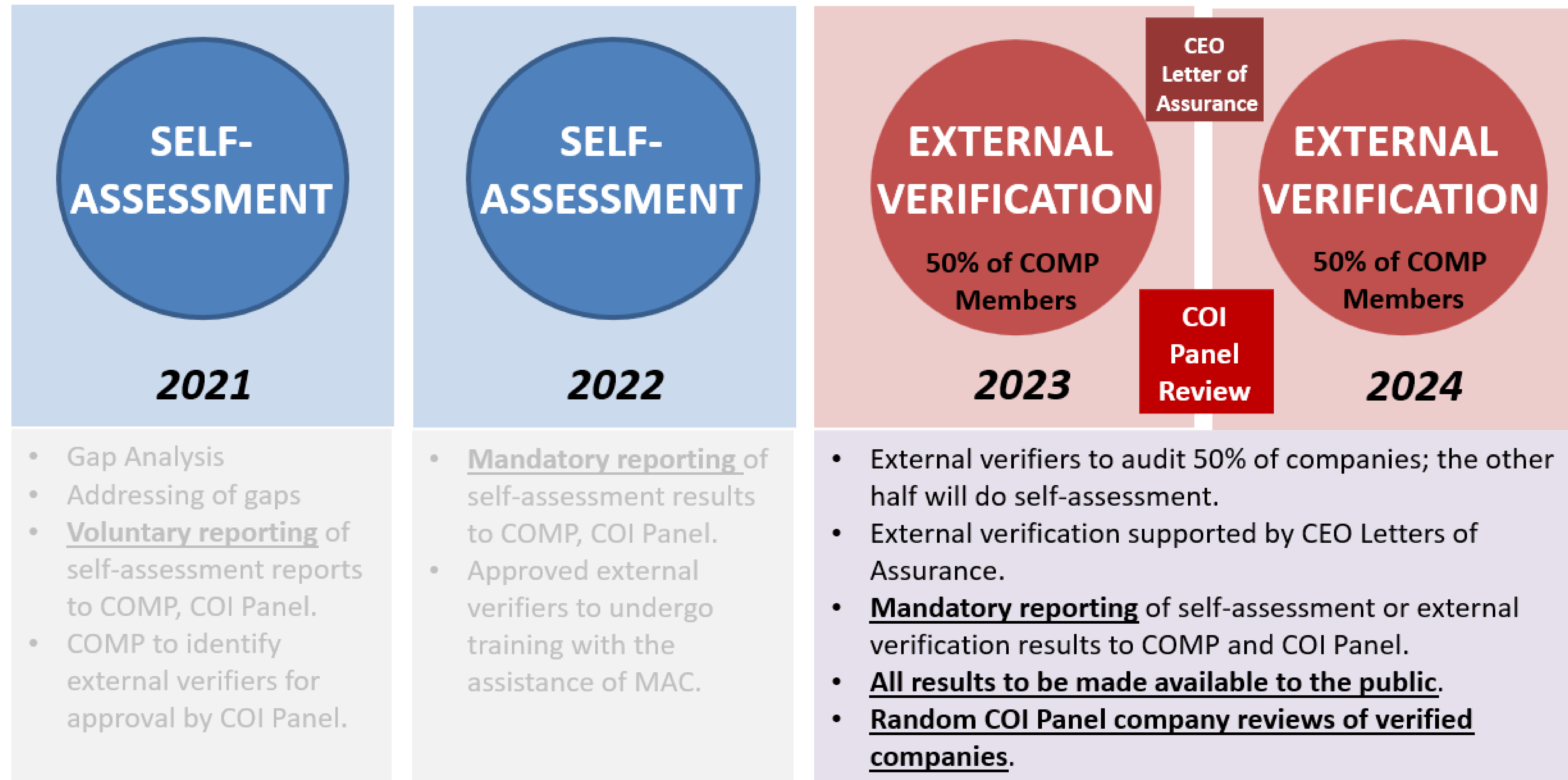
RAMON SANTOS



BENJAMIN VILLACORTE



# Where we'll be.





## BEYOND COMPLIANCE

*Our reputation as an industry has suffered tremendously by the attacks that we've gone through in the fairly recent past... It will take some time and a concerted effort of the industry to prove that it operates responsibly and that communicates its accomplishments. **To my mind, that means not just mere compliance, but going beyond.***

***Let us prove to all and sundry that this is a resilient industry that won't go away, that we indeed operate responsibly and go beyond mere compliance.***

Mr. GERARD H. BRIMO  
Vice Chairman  
Chamber of Mines of the Philippines



## GREAT EXPECTATIONS

*Enhancing the ESG performance of our member companies beyond the word of the law is our ultimate goal with TSM. We want to reassure our stakeholders that we take their expectations as regards our ESG performance seriously. We want to do it right and, with TSM, we are taking the right first step.*

Atty. MICHAEL T. TOLEDO  
Chairman  
Chamber of Mines of the Philippines