

# Collaborating on Health & Safety

## Utilizing a Data Sharing Platform

The goal of this project was to develop a shared data platform or data lake, to be used by IMII and its participating member companies. A data lake has the potential to make more data more available for deeper analysis across organizations. IMII and each of the mining companies involved agreed upon a health and safety focused use case to be delivered through the proposed data sharing platform.

The platform was designed to support combined data analytics and/or the delivery of projects that solve data common problems, disseminate knowledge (e.g., insights, predictions, awareness of risk) and advance IMII's mandate ("innovations that matter to mining").

In Phase 1 of the project ISM provided IMII and its participating companies with the following deliverables:

- A functional and scalable data sharing platform to share/analyze information with customizable queries.
- A completed proof of concept project based on the agreed to use case.
- A future roadmap for additional shared data platform projects.

Phase 2 was an extension of the 2020 proof of concept phase. The goals of the second phase included:

- Continued improvement and enhancement of IMII's shared data platform and onboarding additional participating Member companies.
- Refinement of the Industry Health & Safety use case.
- Definition of additional features that would add value to future iterations of the platform.

Successes from Phase 2 involved:

1. An additional dashboard page added for Industry-level comparisons
2. Improvements to data processing
3. Standardized mapping schemas to enhance combined data analysis
4. Updated guidance documentation to describe new features

### PROJECT INFORMATION:

**Proponent:** ISM Canada / Kyndryl

**Project Duration:** February 2020 to December 2021

**Project Cost:** \$294,195

IMII Contribution: \$294,195