



HSE Workshop on Human-Machine Interfaces

Fall Session 2024





IPLOCA Welcome



IPLOCA

Georges Hage

IPLOCA

Executive Secretary



HSE & CSR Workshop on «Human-Machine Interfaces»

Sponsored by





IPLOCA HSE & CSR Committee Activities Update

Giovanni Muriana

HSE & CSR Committee Chair



Giovanni Muriana

IPLOCA HSE & CSR Committee Chair

Max Streicher

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Lisbon



Chairman: Mr. Giovanni Muriana (Max Streicher)

Georges Hage / Sébastien Goetschmann (IPLOCA)

Jean-Michel Baelen (Serimax)

Patrick Berré (Denys)

Benet Chan (Caterpillar)

Katrina Cooper (RSK)

Baris Kavukcu (Tekfen)

John Kinirons (J.Murphy & Sons)

Filippo Levati (Sicim)

Giovanni Pintabona (PetroIT)

Emanuele Stallone (Bonatti)

Amir Tajik (Max Streicher)

Loek Vreenegoor (Shell)

Stacey Winkleman (CRC Evans)



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HSE/CSR Committee Activity & Initiatives for 2023-2024



- New sponsor of the Health & Safety Award:
- H&S Workshop: 24 October 2023 in Munich (Improving Corporate Safety Memory)
- H&S Workshop: 22 October 2024 in Lisbon (Human-Machine Interface)
- Tie-ins procedure: finalized
- New subject: Mental Health
- HSE & CSR reports
- Awards (H&S / Environment)
- PLCA combined event (2025)





2023 IPLOCA HSE & CSR Statistics



KPI Objectives for 2021 - 2025

➤ **Lagging indicators:**

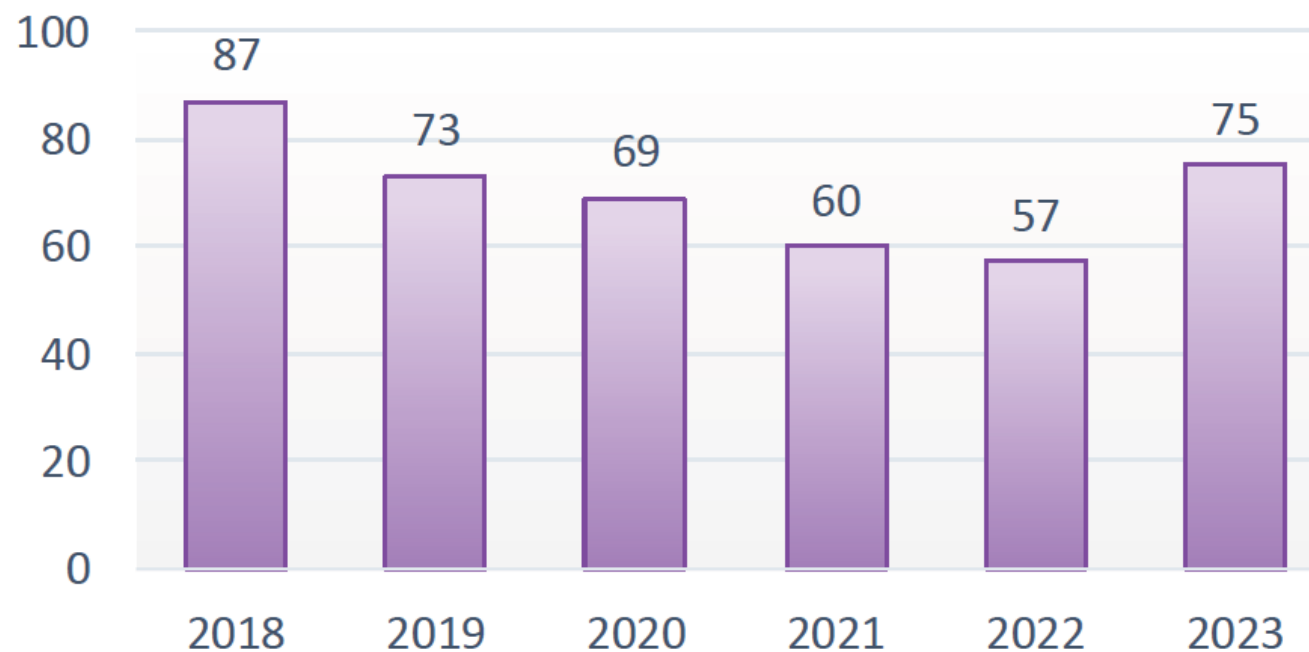
- 0 fatalities
- Total recordable incident rate (TRIR) < 0,90

➤ **Leading indicators:**

- Minimum 30,000 recorded near misses
- H&S training rate > 25,000 hrs per million wkhrs



Number of Submissions

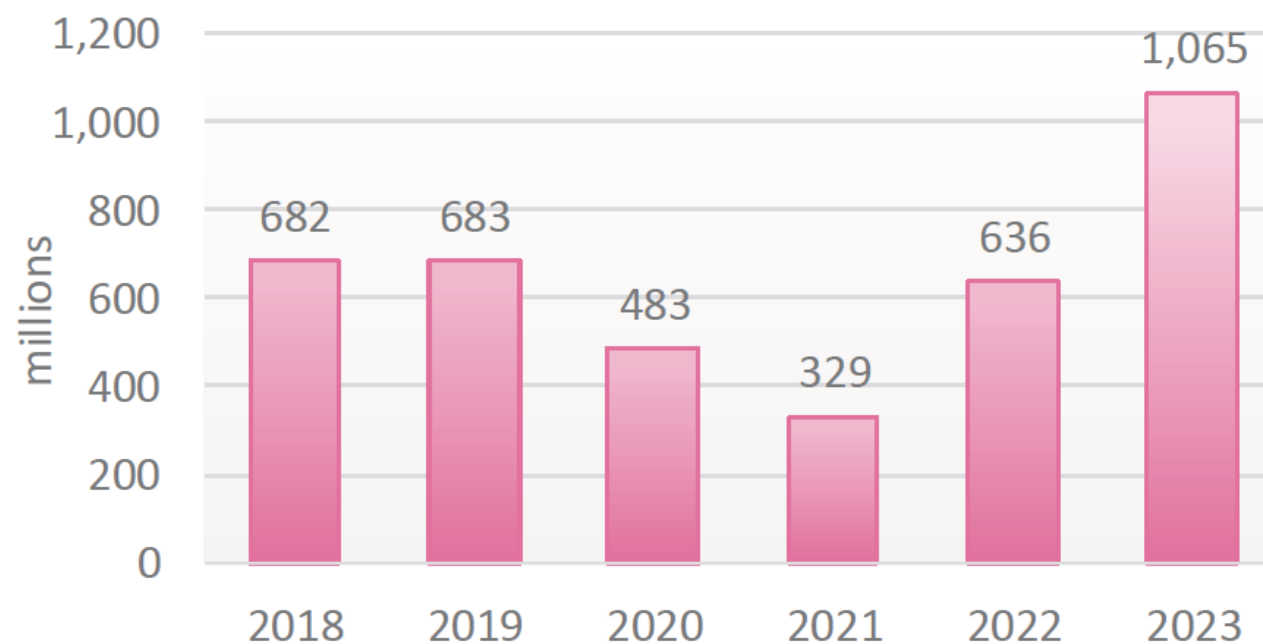


2017: 97%
2018: 96%
2019: 84%
2020: 90%
2021: 82%
2022: 67%
2023: 100%

The 2023 IPLOCA HSE statistics were derived from data provided by 75 Regular Members (100% of total Regular Membership).



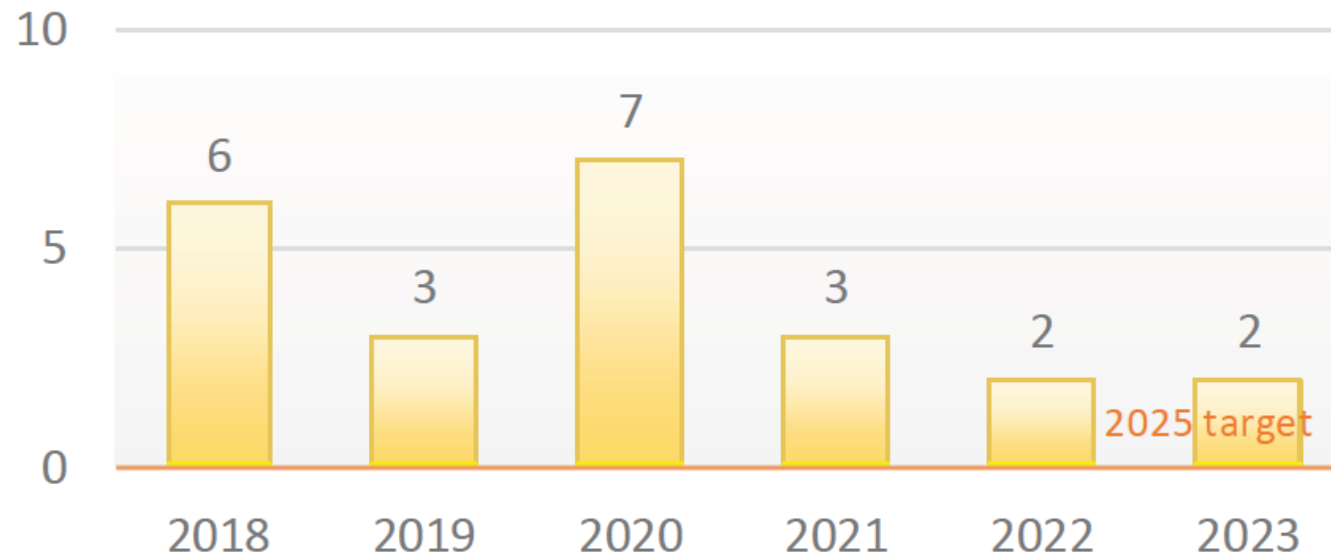
Worked Hours (inclusive of overtime)



The number of hours worked during which the employee is present in the work environment as a condition of his or her employment, plus the extra hours put in as overtime.



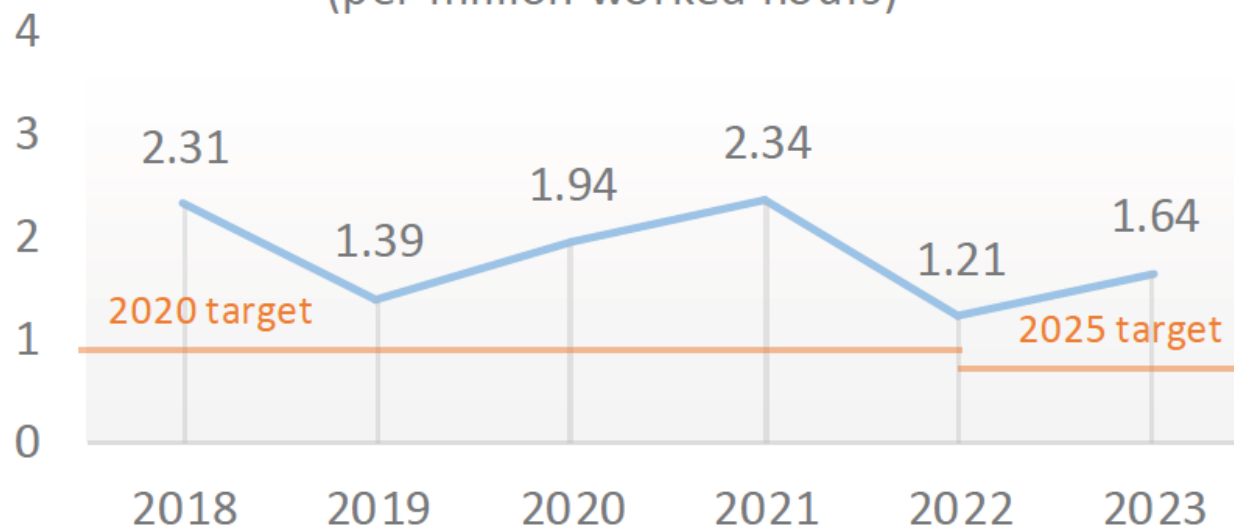
Fatalities (FTL)



A fatality is a death resulting from a work injury or occupational illness, regardless of the time intervening between injury and death.



Total Recordable Incident Rate (per million worked hours)



TRIR:
$$\frac{\text{number of TRI} \times 1\,000\,000}{\text{total worked hours}}$$

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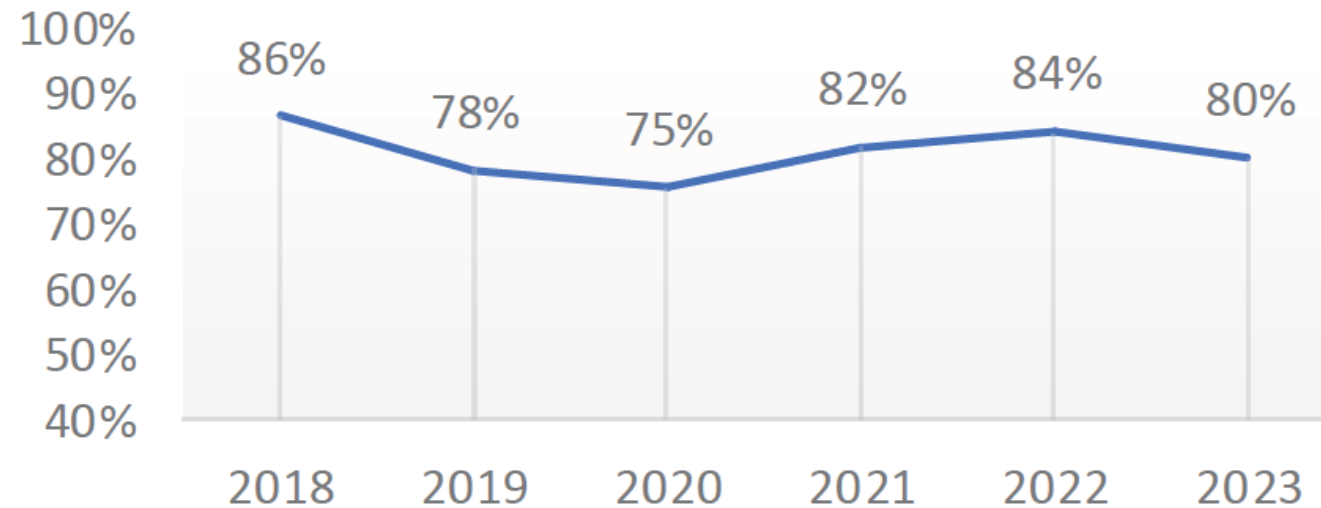
Lisbon



2023 IPLOCA Environmental Statistics



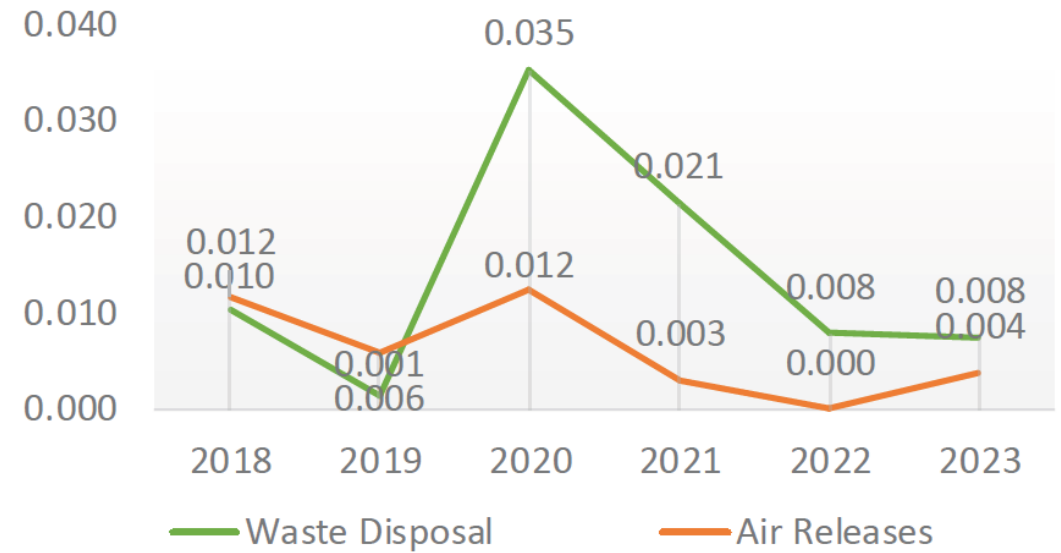
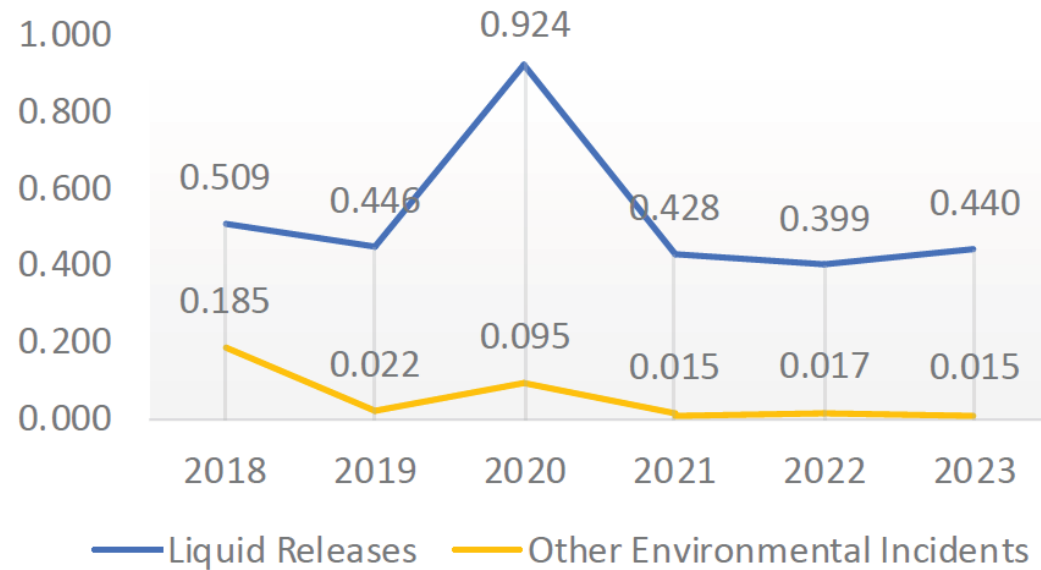
ISO 14001 Certified IPLOCA Members





Environmental Incident Frequency Rates (per million worked hours)

Environmental Incident Frequency Rates:
$$\frac{\text{number of Environmental Incidents} \times 1\,000\,000}{\text{total worked hours}}$$





2023 IPLOCA Health, Safety & Environmental Statistics

Results published in:

➤ 2023 Health, Safety & Environmental Statistics Report

➤ www.iploca.com





HSE/CSR Workshop on «Human-Machine Interfaces»

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HSE Workshop - 22 October 2024 - Lisbon

Title: Human-Machine Interfaces

“ Man is a slow, sloppy and brilliant thinker; the machine is fast, accurate, and stupid ”
William M. Kelly



Human-Machine Interfaces

Lisbon, Portugal – 22 October 2024

- Targeted to all pipeline professionals
- Sharing the latest learnings from industry subject matter experts
- Focused on understanding what controls can be used to prevent HIPO injuries
- Followed by the Novel Construction Initiative Fall Session

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Health, Safety & Environmental Shared Experiences



Health, Safety & Environment Shared Experiences

- Share your HSE experience,
- Raise awareness on potential common issues,
- and Learn from others using the **FREE databank** of best practices, lessons learned and safety alerts **specific to the pipeline industry**

- More than 360 documents already uploaded
- Open to different languages
- Notification service via e-mail

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2024 | SICIM S.p.A.

Heavy Equipment Overturning and Operator Competence Assessment

Regular Member Safety alert

Impact with construction equipment

Two incidents occurred in different projects involving a heavy equipment overturning or partially overturning without any injuries. The overturning of...

[DOWNLOAD \(PDF - 434KB\)](#)

2024 | SICIM S.p.A.

Grinding Disk Rupture

Regular Member Safety alert Health Hot work

At the fabrication shop a manual welder was involved in welding activities of 24" pipes (35mm thickness): after the 1st...

[DOWNLOAD \(PDF - 209KB\)](#)

2024 | Spicapag

Horizontal Directional Drilling Pipe Coil Trailer

Regular Member Lessons learned Fire / explosion

Health Hot work Impact with construction equipment

In April 2023, a colleague working on the HS2 Area North project received fatal injuries when he was struck by...

[DOWNLOAD \(PDF - 246KB\)](#)

2024 | SICIM S.p.A.

Pipeline Tie-In Usung 14" Remote Tecno Plug, Mechanical Clamp & Bisep

Regular Member Lessons learned Health

[DOWNLOAD \(PDF - 224KB\)](#)

2024 | SICIM S.p.A.

Permit to Work

Regular Member Lessons learned

Transportation and road traffic accidents

On August 30th in Italy a very serious train accident occurred which resulted in the death of 5 workers belonging...

[DOWNLOAD \(PDF - 232KB\)](#)

2024 | SICIM S.p.A.

Excavation Earth and Rocks

Regular Member Lessons learned Excavation / earth collapse

Excavation earth and rocks refers to the excavated soil resulting from following activities: excavations in general (excavation, foundations, trenches); drilling...

[DOWNLOAD \(PDF - 169KB\)](#)



Thank you!