

Welcome to the 3rd European Conference on Plant & Process Safety

Dec 12 - 14 2023, Maastricht



**EUROPEAN PROCESS
SAFETY CENTRE**

EPSC LEARNING SHEETS

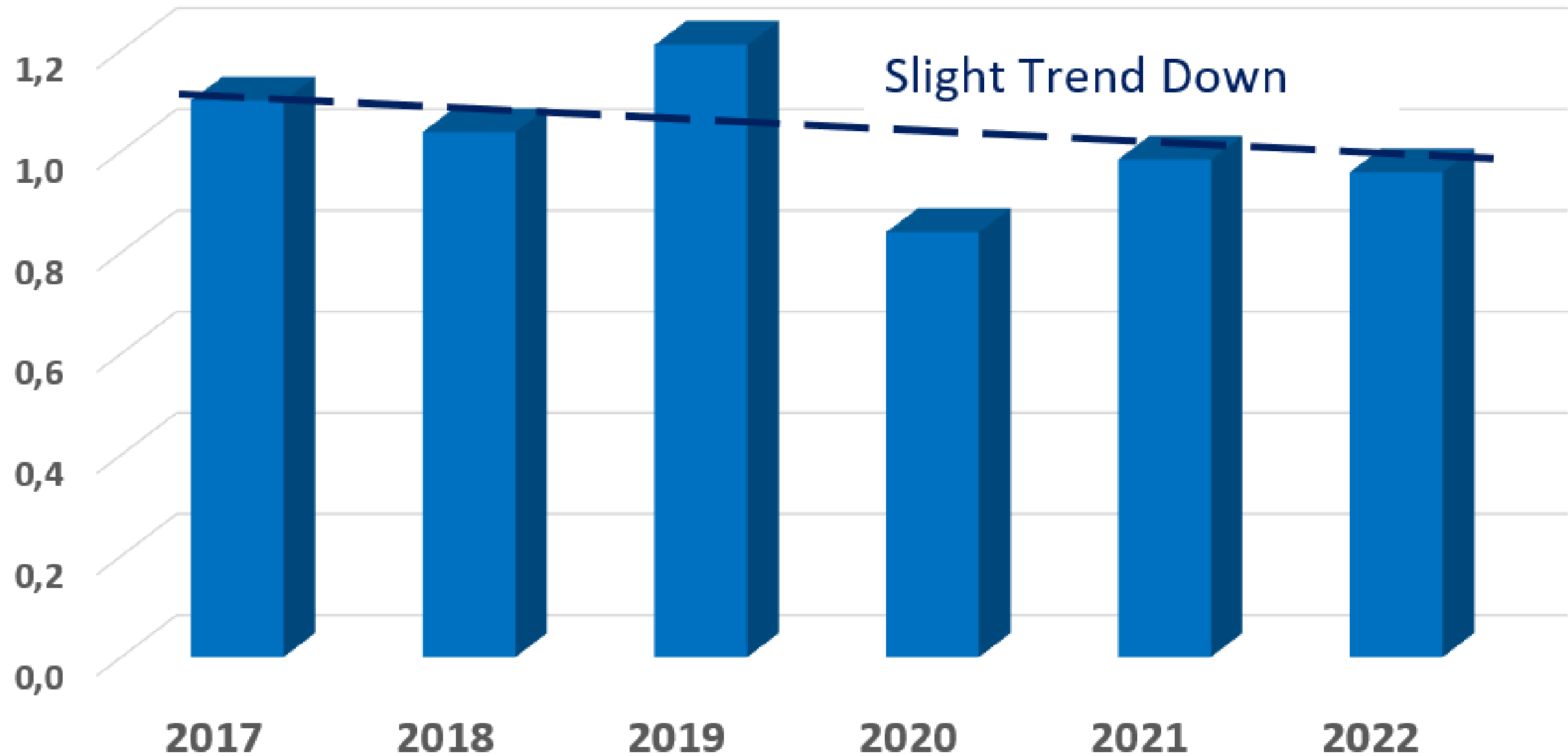


EPSC
EUROPEAN PROCESS
SAFETY CENTRE

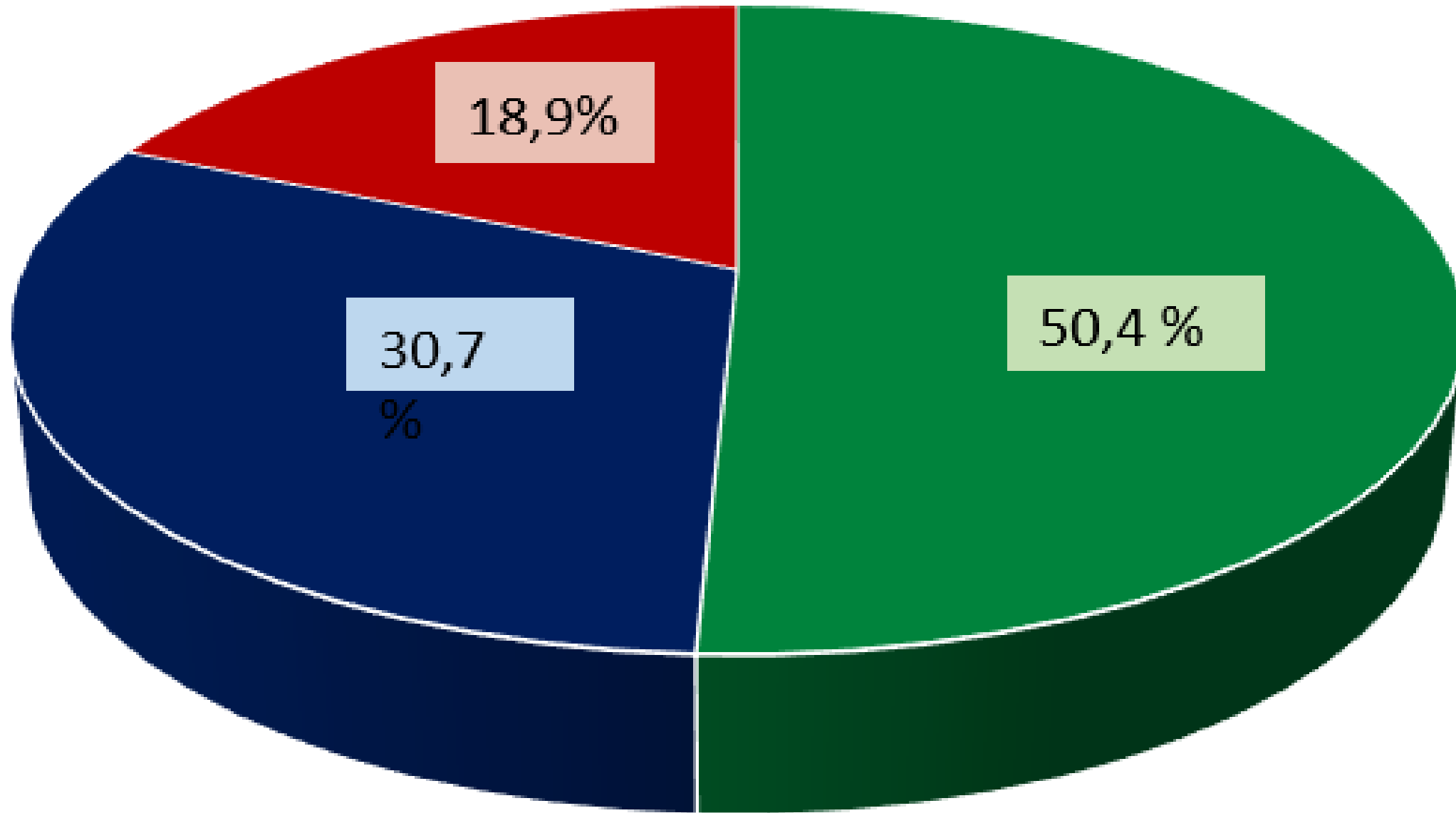
Process Safety Incident Rate - per million hours



EPSC



PSE main cause 2022 (1602 cases)



■ Operation ■ Integrity ■ Design

Great Support



Network Forum – Solution Providers



Day 1 Program Maastricht Process Safety congress - Wednesday December 13 2023			
Time	Auditorium 2	Room 0.10	Room 0.11
08.15	Registration & Network forum		
09.15	Opening		
09.25	René Ophorst, SABIC - Personal experience from a serious incident		
10.00	Gus Carroll, Empirisys - Personal experience from a serious incident		
10.30	Coffee break at Network Forum		
<i>Session Chair</i>	<i>Incident Learnings Chair: Alexandra Heisu</i>	<i>Chemical hazards Chair: Rainer Hoss</i>	<i>Explosion & Electrical Safety Chair: Joern Buhn</i>
11.15	Andreas Scholz, Vynova - Incidents during loading railcar & standards for logistics	Annik Nanchen, Tüv Süd & Philippe Herfeld, DSM Firmenich - Chemical Hazard Assessment	Aaron Ratschow, Bayer/TU Darmstadt - Electrostatic charging when conductive liquids dewet solid surfaces
11.50	Mats Lindgren, Swedish PS Association - Learning from small incidents and near misses	Gilles Roman, Solvay - Hazards of Hydrogen Peroxide handling	Fred Stay, HIMA -Think beyond SIL and discover cost-efficient risk management
12.25	Willem Groendijk, Shell - Learnings from a reactor explosion: towards safer start-ups of catalyst systems	James Birch, BakerRisk - Hazardous Material Transportation – Whose Risk is it Anyway?	Lee Kelly, Cargill - Combustible Dust explosions and learnings
13.00	Lunch at Network Forum		
<i>Session Chair</i>	<i>Event Management Chair: Hans Schwarz</i>	<i>Mechanical Integrity Chair: Juergen Schmidt</i>	<i>Plant & Operation Chair: Eline Beulens</i>
14.00	Veronica Fox, Tecnimont - Alarm Rationalization Study in EPC Projects	Stephan Sadowski, Sofis - Pigging / Mechanical Sequence control implemented in digital environment	Susanna Vogues, Voovio - Operation Errors: Procedure Clarity or Operator Execution?
14.35	Alan Mahoney, PPCL - Early Abnormal Event Detection with Geometric Models	Abdulaziz Shams, Aramco - Safety Consideration for Oil and Gas Plants Layout	Rainer Hoss, Merck group - Process Safety Fundamentals for Pharma and Food
15.10	Daniel Wilkes, iOMosaic - Dynamic Vapor Breakthrough: Avoiding Pitfalls for ERS Design	Deni Džafu, MOL Group - Refinery plant conservation project	Kees van Gils, LyondellBasell - Use of Process Safety Fundamentals in LyondellBasell
15.45	Tea Break at Network Forum		
16.30	Delphine Laboureur - The power of image to quantify consequences of incidents		
17.30	Reception with drinks & finger food at the Network Forum		
19.30	End day 1		

Personal experience of a Serious Incident

Rene Ophorst - Sabic

Gus Carroll - Empirisys

Welcome to the 2nd European Conference on Plant & Process Safety

Day 2: Dec 14



**EUROPEAN PROCESS
SAFETY CENTRE**

Day 2 Program Maastricht Process Safety congress - Thursday December 14 2023			
Time	Auditorium 2	Room 0.10	Room 0.11
08.30	Registration & Network forum		
09.00	Panel discussion "Plant Needs on Process Safety", Dirk Dupper (DSM), Maria Victoria Saenz De Ormijana (Cargill), Jim Connor (Celanese Retired), Daniel Koch (Covestro)		
10.00	Coffee break at Network Forum		
<i>Session Chair</i>	<i>Barrier Management Chair: Jean Godts</i>	<i>Emergency Preparedness Char: Guillaume Vannier</i>	<i>PHA / RISK / HAZOP Chair: Celine Leroy</i>
10.45	Peter Winkelman, RHDHV - Avoiding and mitigating hazards associated with hydrogen electrolyzers	Niall Ramsden, LastFire - Using PFAS free foams for effective fire extinguishment	Pier-Jan Hetteema, DSM-Firmenich - Use of CHEF in HAZOP & OBRA
11.20	Roald Perbal, NEN Committee - Ex-LOPA method for the assessment of explosion risks in hazardous areas	Roger Stokes, BakerRisk - Guidelines for Managing Abnormal Situations	Hubertus Siegel, Results EPSC work group "HAZOP efficiency"
11.55	David McDade, Risktec - Active Barrier Management Over Lifecycle	Michael Geipel, Protego - Explosion Protection through the use of Flame Arrestors	Richard Hodges, Sabic - Teesside specifics on HAZOP process - in an actual case
12.30	Lunch at Network Forum		
<i>Session Chair</i>	<i>Renewables & Digitalization Chair: Mats Lindgren</i>	<i>Plant & Process Safety Chair: Eddy De Rademaeker</i>	<i>PS Management Chair: Stefan Drees</i>
13.30	Joar Dalheim, Vysus Group - Dynamic Risk Monitoring - DQRA	Mark Hellinghuizer & Ton Beems, Yokogawa - Plant & Process Safety = Safety + Security	Thorsten Müh , Bayer - From Strategy to Implementation: Bayer's PPS Roadmap 2025
14.05	David Moore, Acutech - Analysis of Recent Process Safety Incidents in the Hydrogen Industry	Diederik van Heugten, Chemelot & Coen van Driel, New Behavior - Update Permit system at a petrochemical site	Philippe Guillard, Sphera; Pier-Jan Hetteema, DSM-Firmenich – Realizing a global risk solution tool
14.40	Christian Severins, Bayer - AI/Machine learning in Process and Plant Safety	Carsten Rosner, Covestro - Team Resource Management	Dirk Roosendans, TotalEnergies - Use of generic major accident scenarios for process safety management'
15.15	Tea Break & Network Forum		
15.30	Virginie Guyot, ex Fighter Pilot: What it takes to accomplish when it gets Hazardous		
16.45	Close-out		

Panelists “Plant Needs on Process Safety”



Jim Connor
Former VP Operations
Celanese



Daniel Koch
Covestro



Dirk Dupper
DSM Firmenich



Victoria Saenz De Ormijana
Cargill

What can make the difference at shop floor level?

Final remarks

Presentations & Photo's to become available on the congress website

Next event Dec 2&3 2024 In Fyra Barcelona

Connected with International Process Safety Week



INTERNATIONAL PROCESS SAFETY WEEK

December 2-6, 2024

Join Us for a week-long observance of Process Safety Excellence!

We invite you to participate in this week-long observance, filled with engaging activities and educational opportunities that will enhance our commitment to process safety.

PROGRAM & ACTIVITIES

WEBINARS
Renowned industry experts will share their insights and experiences on process safety management, best practices, and the latest trends.

PANEL DISCUSSIONS
Engage in thought-provoking conversations with a diverse panel of professionals, exchanging ideas and discussing the challenges and solutions in maintaining a safe work environment.

CASE STUDIES
Discover real-life examples of process safety incidents, their root causes, and the lessons learned. Gain valuable insights into preventing similar occurrences within our organization.

FACILITATED BY-

The poster includes four small images: a refinery at night, a worker in a cleanroom, molten metal being poured, and a close-up of industrial machinery.



Thank you for your great participation and support

- Presenters
- Session Leaders
- Sponsoring asset owners
- Solution providers
- Participants





Virginie Guyot



Susanna Voges



Delphine Laboureur



Aaron Ratschow



Daniel Koch



Annik Nanchen



René Ophor



Philippe Guillard



Roger Stokes



Els Janssens



Alan Mahoney



Mark Hellinghuizer



Ton Beems



Stephan Sad



Veronica Fox



Mats Lindgren



Deni Džafo



Andreas Scholz



Willem Groendijk



Fred Stay



Kees van Gil

Network Forum – Solution Providers





Plant & Process Safety



Special Keynote



Intense Networking



Cozy Maastricht