

109th Meeting

February 2nd, 2023

Virtual meeting

Minutes

10.00 h Start

1) Introductions and apologies

Participants: 19 members of WPLP - Bruno Fabiano (Chairman), Ales Bernatik (Secretary), Genserik Reniers, Hans j. Pasma, Joachim Sommer, Valerio Cozzani, Ludovit Jelemensky, Alexis Pey, Mats Lindgren, Thierry Meyer, Eddy de Rademaeker, Agnieszka Gajek, Nicola Paltrinieri, Remko Harbers, Tijs Koerts, Misha Schwaninger, Nicolas Markatos, Jerome Taveau

Invited guest: Bin Zhang

Apologies: J. Schmidt, F. Babinec, L. Vijgen.

2) LPWP membership

TOTAL: 27 (including 2 honorary members) + 4 guest members

BF welcomed and introduced the new French delegate Joseph-Marc Francois, Dekra Process Safety France Managing Director.

Delegates - Slovenia, Spain, Greece, UK each one open position.

No delegates of Austria, Bulgaria, Croatia, Denmark, Hungary, Romania, Turkey, Ukraine, etc.

EFCE board formally approved the re-election of the LPWP Chairman and the nomination of the LPWP Secretary..

2) Minutes of last LPWP meeting and actions arising

The minutes were approved as an accurate record, with no additional comments.

All of the actions were covered as agenda items.

Action Number	Meeting Number	Action	Responsible	Notes	Status
1	106	AP and sub-group to produce final version of reference guidelines.	AP	Covered by Agenda sub 7	Final drafts
2	107	Update (matrix) program LPS 2025 and possible new keywords	All	Covered by Agenda sub 5	Ongoing
3	107	Contribution of LPWP to EFCE Spotlight Talk Fall 2022 edition – future edition	All		Done

4) Papers from LPS2022 for selected journals

PSEP SI

The editorial process run smoothly with only two papers still to be submitted, in case of withdrawal it is possible a further contribution of a seminal paper. The submission system will close by the end of February. Current status includes: 3 papers accepted - 5 with authors for revision - 1 revised paper with editor – 1 under revision – 2 under submission.

TARGET final SI LP2022 published within the end of May 2023

Corresponding author	Provisional title/content
Natalie Schmidt	Experimental Investigation and CFD Modelling of Storage Tank Breathing
van Wingerden	The effect of solid inhibitors on hydrogen-air combustion
Iaiana	Risk Identification for Cyber-Attacks to the Control System in Chemical and Process Plants
Vairo	Fuel cells for shipping. An Approach towards Dynamic Safety Assessment
Clarke I.	The hazards of transient operations
Hansen	CFD-modelling of Large-scale LH2 Release Experiments
Xu	An Exploratory Study on Uncertainty Analysis in Quantitative Risk Assessment of Domino Effects
Bai	Integrating Knowledge Graph, Complex Network and Bayesian Network for Data-driven Risk Assessment
Spitzer	Comparative Study on standardized ignition sources part 2: Exploration of the initial igniting volume of standardized ignition sources for the determination of explosion characteristics
Janosovsky	Recognition of process safety position in multiple-criteria decision analysis in process design
Tribouilloy	Flammability of Halogenated Liquids: Flash Points Limits
Stewart Behie	Keynote paper “Leadership 4.0: The Changing Landscape of Industry Management in the Smart Digital Era”

JLPPI SI

Guest editors reported that there is a delay in the submission flow, with several authors asking extension and in the editorial process. They will contact a board editor of the journal to investigate possible future actions, or scheduling revision.

Corresponding author	Provisional title/content
Schmidt C.	Protection of chemical reactors against exothermal runaway reactions with smart overpressure protection devices
Polka	Analysis of the ability to spontaneous combustion and ignition from hot plate of dried sewage dust
Yang	Analysis of human and organization factors related accident reports based on natural language processing
Mocellin P.	A Numerical Study of Effects of an Industrial Hazardous Release on People Egress
Poledník	Autoignition Temperature of Alcohol/air mixtures
Lee	Digital Twin Concept for Risk Analysis of Oil Storage Tanks in Operations: a Systems Engineering Approach
Palazzi	Critical Issues in Short-cut Modelling of Massive Carbon Dioxide Release
Van Wingerden K.	Medium-scale Tests to Investigate the Possibility and Effects of BLEVEs of Storage Vessels Containing Liquefied Hydrogen
Shuaiqi Yuan	An Approach for Identification of Integrated Safety and Security Barriers in the Chemical Process Industries
Labovska	Safety Analysis as Integral Part of Chemical Processes

	Intensification and Integration
Jastrzembki	Flashpoint of Battery Mixtures in Order to Improve their Safety
Le Coze	Risk analysis: Challenges and Perspectives

5) WP terms of reference update

Draft version was circulated after final approval it will be submitted to EFCE and published on the website.

Following sections needed to be completed: 8. Positioning and Relations

8.1 Academia (OK)

8.2 Industry **AP to provide a revised form before next meeting**

8.3 Regulators **LV to provide a revised form before next meeting.**

The final version will be discussed at next face-to-face meeting.

6) LP 2025 Rome status and actions

BF provided a preliminary overview on the 2025 Loss Prevention Symposium scheduled in Rome, Italy.

He presented some possible improvement actions and perspective lines derived from experience in LPS 2022 Praha towards LPs2025

Increase overseas participation (USA – China - India etc.) and Eastern Europe

Reduce in time and improve review process

Revision of time scheduling

BF invited the delegates to consider new safety trends or more emphasis on emerging areas resulting from last LPS and to propose suggestions for future action and improvements.

Matrix of symposium topic needs update – a **committee was established including:** BF, VC, AB, HP, GR, AP, MS, BZ.

The detailed discussion on new topics will be performed at next face-to-face meeting of LPWP planned in Barcelona June 2023.

7) News from EPSC and EFCE

7.1) EFCE

Following formal appointment were made within the EFCE Board:

- Prof. Giorgio Veronesi (Italy) President of EFCE
- Prof Petr Kluson (Czech Academy of Sciences, Prague) Scientific Vice-President
- Prof. Jarka Glassey (Newcastle University, U.K.) Executive Vice-President

EFCE E-Newsletter October 2022 and December 2022 were distributed.

The REPORT ON LPWP Activities June 2021 - June 2022 was presented at EFCE WP Chairs meeting and the activities of the WP were appreciated.

EFCE Spotlight Talks

For 2023, together with Chairs, EFCE scheduled the next series from 22 to 26 May and, depending on the proposals received, it could be extended the following week, from 30 May to 1 June.

It was decided to propose for a following webinar series a Talk on the wide topic of Natech events and their impact for the process industry sector. Some potential speakers were suggested by VC, GR, RH and will be contacted in due time.

Future events

BF gave an overview on upcoming EFCE event and other international events in the broad process safety area.

33rd European Symposium on Computer-Aided Process Engineering (ESCAPE-33)
Athens, Greece, 18-21 June 2023 (EFCE Event No. 794) Website: <https://escape33-ath.gr/>

15th Mediterranean Congress of Chemical Engineering - MECCE Barcelona, Spain, 29
May – 2 June 2023 (EFCE Event No. 788) by the SEQUI (SOCIEDAD ESPAÑOLA DE
QUIMICA INDUSTRIAL E INGENIERIA QUIMICA) in conjunction with Expoquimia
2023.
Website: <https://www.mecce.org>

14th European Congress of Chemical Engineering, Berlin 17-21 September 2023
Deadline for submission of abstracts for oral presentations:
15 January 2023 Website: <https://ecce-ecab2023.eu/>

8-11 October 2023 Bologna, Italy
FEx23, 1st INTERNATIONAL CONFERENCE ON FIRES & EXPLOSIONS IN THE
PROCESS INDUSTRY

Palermo, Italy, 22-25 October 2023
INTERNATIONAL CONFERENCE ON ENERGY, ENVIRONMENT & DIGITAL
TRANSITION - E2DT 2023

EFCE has set-up a new digital presence: the EFCE website at <https://efce.info/> allows easy
use on PC, tablet and smartphone. It also includes a data management system with a single
sign-on and smart data access.

It contains direct link to LPWP website :
<https://www.lossprevention-wp.eu/>

7.2) EPSC

TK provided a detailed overview on EPSC activities.
The 62th EPSC Technical Meeting took place on 8 & 9 November 2022 in Budapest,
Hungary (hosted by the MOL Group). The minutes and presentations are available in the
members only area.

The next EPSC Technical Meeting & AGM will take place on 28 and 29 March 2023 at
Covestro's headquarters in Leverkusen, Germany.

He remembered that everybody can now subscribe onto the Learning Sheet mailing list
through this link:
<https://epsc.be/Extra+pages/Learning+Sheets+Mailing+List.html>

TK presented the preliminary program of the forthcoming event organized by EPSC and
different stakeholders.
The 3rd EPSC Conference on Plant & Process Safety is planned on 13 & 14 December
2023 in Maastricht, The Netherlands.

He generously confirmed the participation free of charge for members and guests of the LPWP and the possibility of free attendance to the Conference extended also to selected good students working in process safety, upon request by a delegate.
The Chairman thanks TK for his active contribution in sharing process safety knowledge.

9) Incidents

No incidents reported.

10) Any other Business + date & venue of next meeting

NEXT MEETINGS

Next face-to-face meeting is planned in Barcelona 15/6 afternoon 16/6 morning hosted at Stahl (courtesy AP).

AP will contact delegates for all information regarding travel and accommodation nearby the meeting site.

The meeting will be combined with a technical meeting (to be organized by Italian delegates and the Secretary) and presentation of the activities of Stahl, which will be performed during the first day.

Fall 2023 LP business meeting will be organized as virtual meeting.

The Chairman declared the meeting closed at 11:30.

Appendix 1. presentation of BF