PREPARATIONS

Good practice exchange in OSH —
the best of 10 years of EU-OSHA campaign partnership
Who are we?

CHAIR:
Natalie Lotzmann, SAP SE

SPEAKERS (in order of speaking):
1. Dietmar Elsler, EU-OSHA
2. David Tjong, Ideal Standard
3. Javier Larrañeta, European Technology Platform of Industrial Safety
4. Viktor Kempa, European Trade Union Confederation
5. Gyula Szabó, Federation of European Ergonomic Societies
6. Tom Schalenbourg, Toyota Material Handling
7. Patricia O’Callaghan, SAP SE
What are we saying?

“Good practice exchange in OSH — the best of 10 years of EU-OSHA campaign partnership”

Share our success stories and let other learns from us:

✓ **Highlight your best showcase** of EU-OSHA campaign partnership

✓ **Promote OSH** across industries and countries

✓ **Inspire others** become better role models of healthy and happy organizations by networking and sharing
How are we saying it?

Session flow:

Session overall length: 2 hours

To plan equal time for speakers, I propose 12-mins max to each speaker, thus giving:

- Opening
- 7 Speakers:
  - 7-min presentation
  - 5-min Q&A immediately after each presentation
- Overall inspiring discussion
- Wrap up

What you need to do:

Using the next slides, please provide:

1. Your contact details (slide 5)
2. How you would like to be introduced (slide 6)
3. 2 discussion questions you would like to be asked in your Q&A (slide 7)
4. 7-min presentation (slide 8-11)
   - Company overview (Cover only- no talk)
   - Your best showcase of EU-OSHA campaign partnership
   - Looking ahead for OSH

Please send to n.lotzmann@sap.com by October 23rd
# Group details

1. Please update the below contact details with missing/incorrect information

2. Please state if you are able to join a Whatsapp group for event group communications-
   We will create and add everyone to the group

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Organization</th>
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What’s your Introduction?

- Javier Larrañeta, elected Member of the ETPIS Executive Board and Secretary General of PESI (the Spanish platform on industrial safety and security)

- ETPIS is the European Technology Platform on Industrial Safety and Security
  - An instrument created in 2005 to pilot and defragment EU research investment in industrial safety (OHS, process safety & environmental safety, emerging risks)
  - An open forum with 850+ experts to share ideas, prepare future work & disseminate results
  - A platform driven by industry with a High Level Group with representatives from Chemical, Oil, Car, Energy, Transport, Food, Re-insurance, Construction, Manufacturing, Defense and EU-OSHA

- ETPIS Missions are:
  - Strategy – Programming (work with the European Commission and the safety community to define the research priorities for new solutions to improve safety practices)
  - Mobilizing – Brokerage (organise events and cooperation opportunities to build consortia capable to work on research projects)
  - Dissemination (organise communication of the research results and other professional information towards the safety community)
Q&A Questions

Please suggest two Q&A questions:

- Immediately after your presentation there will be a 5-min Q&A addressing questions to you.
- Your suggested questions may be asked or questions may come from the floor.

- How are the research challenges identified by ETPIS and SAFERA funded? Is it with the contribution of the European commission or national funding?
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Bilbao, Nov. 22, 2017
Industrial Safety & Security in Horizon 2020

**Conventional risks**
improving the safety performance in all industry sectors and reducing the impact of accidents taking into account technical, human, organisational and cultural aspects, and the current 'state-of-the-art methods' for safety management.

**Innovative industry**
accompanying the innovative industry to reduce the time to the EU market and reach public acceptance of new technologies and products by implementing e.g. the CEN Workshop Agreement CWA 16649:2013 ‘Managing emerging technology-related risks’ adopted on June 26, 2013

**Safety & security technologies, products & services**
guaranteeing the leadership of the EU safety industry on personal protective equipment, safety systems, sensors, inspection and control...
Achievements of ETPIS Projects – Network – Joint Programming

12 projects funded by the EC since FP7 in NMP

- Integrated risk management
- Personal protective equipments
- Organizational safety
- ERANET
- Ageing of infrastructures and industrial plants

About 850 registered stakeholders
80 active institutions/companies
Partner associations (industry, scholarship, scientific, clusters…)

SRA 2006
HLG priorities
SafeFuture (consultation of the members)
SAF€RA Research Programming (ERA-NET)
Today main drivers that have an impact on industrial safety

- IoT
- Industry 4.0
- Climate change
- Big Data
- Nano-revolution
- Threats
- Globalisation
- Energy transition
- Smart cities
- ...

Energy transition

Globalisation

Nano-revolution

Threats

Climate change
Consultation to identify priorities for research

- The period of consultation started from **February 22, and ended on April 14, 2017**
- Distribution to ETPIS, EU-VRi and SAFERA registered stakeholders
- 49 contributions were collected, from 36 organizations, on the following topics:
  1. Occupational Health and Safety
  2. Human and organisational factors, safety culture
  3. Process safety, nanosafety
  4. Risk reduction technologies, reliability of systems
  5. Methodologies for risk assessment and risk management
  6. Environmental safety and health related to industrial activities
  7. Security of critical infrastructures, CBRNe, disaster resilience and business continuity
  8. Safety performance and key performance indicators
  9. Other
- Inputs for the 4th SAFERA call to be published in November 2017 and towards the Horizon 2020 Work Programme
Trends for the next SAF€RA Call

4th SAF€RA Call to be published in November 2017

• Topic 1. New technologies and the effects of major changes in industry

• Topic 2. Measuring and monitoring safety performance
PESI (Spanish Tech. Platform on Industrial Safety & Security): vision

**Strategy:**
Safety-Security & Governance (GRC)

- Assets & Processes Mgt.: Reliability and Safety (Operation and Maintenance, RAMS...)
- Environmental Safety (and climate change)
- Emergencies Mgt. (Autoprotection Plans)
- OSH: Prevention, Ageing at work, Mobility and road Safety, Drugs

**Security & Resilience Plan** (business continuity, …)

- Corporate Security (protection of critical assets and people)
- Cyber-Security (Information Systems)
- Human Factor in Security (Personnel Security)
PESI: innovation and technology priorities

• Safety Models under Industry 4.0
  ☛ Risk Assessment and Management: ISO 31000; ISO 45000 (OSHA 18001); ISO 223xx (business continuity, crisis mgmt.)
• Smart and safe working environments
• PPE and new smart devices (wearables 4.0)
• Safety Systems (Fire Protection…) and Emergencies
• Assets and Infrastructures Mgt. Systems: sensors, monitoring, instrumentation (cyber-physical systems)
• Process Safety and Management systems: RAMS, smartization, machine learning, AI/Artificial Vision
• New collaborative Robotics
• Nano-safety
• New technologies in training/information (VR/AR, serious gaming, eLearning)
• Information Systems and ICT for Industry 4.0
  ☛ KET: IoT, cloud computing, big data, mobile communications and networks
  ☛ Cyber-security
• Human & Organizational factors and Safety-Security Culture
• Road safety at work