

# New Challenges in the traditional industry and the need for international cooperation

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**Introduction.** The traditional industrial sector remains a fundamental pillar of the global economy, primarily due to its substantial contributions to production value and workforce engagement. In 2022, the global workforce numbered approximately 3.32 billion individuals, a notable increase from the 2.28 billion recorded in 1991. Traditional industry encompasses sectors with long-standing historical roots, typically involved in the production of tangible goods or the provision of essential services. These sectors encompass manufacturing, agriculture, mining, oil and gas, and construction.

**Objective.** This presentation will explain the current occupational health and safety challenges in these industries and highlight the importance of international collaboration.

**Method.** This presentation was developed based on the analysis of data and information gleaned from searching published documents related to traditional industries, their associated challenges, and the imperative for international cooperation to address these challenges.

**Result.** Workers in traditional industries face many health issues due to the nature of their work. These issues often stem from exposure to hazardous substances, physical exertion, and workplace conditions. Despite numerous efforts to enhance worker safety and well-being, new challenges persistently emerge, and existing ones undergo continual evolution. Even amid a pandemic, a significant portion of this sector remains operational, adapting to ongoing limitations while striving to maintain production.

**Conclusion.** Traditional Industries remain facing the classical OHS challenge and emerging potential health hazards. Digital technology is fundamentally reshaping planning, management, and execution across all industries, including traditional industry. Sharing experiences and advanced technologies through international collaboration is key for clean energy and sustainable production.

**Keywords :** Traditional Industry, Occupational Health and safety hazards, International Cooperation, clean energy, advanced technology