

## AmmoniaKnowHow.com and UreaKnowHow.com did contribute again to the AICHE Ammonia Safety Conference 2018 in Toronto



From 16-20 September 2018, AIChE organised its yearly Ammonia Safety Conference, this year in Toronto. AmmoniaKnowHow.com and UreaKnowHow.com did contribute again to the conference with two presentations. The conference was well attended by some 325 participants from all over the world.



On the first day just after the first break "The Lessons Learned from the First 100 Safety Hazards In Urea Plants" was presented based on a paper prepared by Prem Baboo of National Fertilizers Limited, Mark Brouwer and Jo Eijkenboom of UreaKnowHow.com B.V. and Majid Mohammadian of OCI N.V.

In 2017, AmmoniaKnowHow.com and UreaKnowHow.com introduced global open source risk registers

for ammonia and urea plants. On January 1, 2018, the Risk Register Safety Hazards in Urea Plants contained its first 100 safety hazards. The paper provides the detailed analysis of these hazards: In which plant sections and during which project phase do



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these safety hazards occur, which safety hazards occur most frequent, and which hazards have the highest risk factor. This paper describes the most critical safety hazards and recommends its prevention and mitigation measures. A surprising conclusion is that most safety hazards may lead to a sudden release of toxic ammonia. The paper provides suggestions on how to safely behave in a urea plant, and how to identify a maximum number of safety hazards. The paper one can download from our E-Library by [clicking here](#).

During the Round Tables on Thursday Dan Cojocaru of AmmoniaKnowHow.com presented to the audience FIORDA: The Fertilizer Industry Operational Risk Database.



FIORDA mission is to improve safety and reliability performance of fertilizer plants by collecting and exchanging process safety data among the participating companies and acting as focal point for coordination and management of process safety data collection within the fertilizer industry.

FIORDA has developed a structured database extracting data from process safety incidents, lesson learned, members projects experience covering a variety of geographic areas, plants, equipment types and operating conditions. More information one can find at: [www.fiorda.eu](http://www.fiorda.eu)