

#### German Environment Agency

10. September 2019 Results of the UN/OECD Project on Natech Risk Management

# 7.1 High Pressure Gas Accidents Database (Japan)

OECD GP Activity	UN SF Activity	UN SD Goals / Targets
10. Natech risks in education and training	1. Understanding disaster risk	11.3 By 2030, enhance inclusive and sustainable urbanization

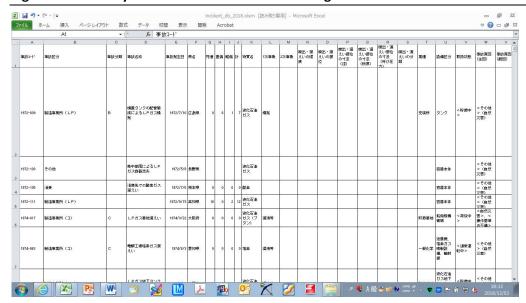
Classification according to OECD Guiding Principles, UN Sendai Framework Priorities/Activities, and UN SDGs and Targets

Figure 1: Key word search form the High Pressure Gas Accidents Database, cause of accidents: natural disasters



Source: © The High Pressure Gas Safety Institute of Japan

Figure 2: List of key word search results from the High Pressure Gas Incidents Data Base



Source: © The High Pressure Gas Safety Institute of Japan

Short Facts:	Natural Hazard(s) Considered:
Governance approach: Risk communication Source: High Pressure Gas Safety Institute of Japan Entry into force: 2017 Targeted Stakeholders: Authorities, associations, operators Scope of applicability: National	<ul> <li>Earthquake</li> <li>Flood</li> <li>Typhoon</li> <li>Tsunami</li> <li>Climate change: Not included</li> </ul>

#### Description

### **High Pressure Gas Accidents Database**

The High Pressure Gas Safety Act requires enterprises and others to report high-pressure gas accidents to the government. The High Pressure Gas Safety Institute of Japan (KHK) analyses and evaluates the reported accidents. In 1988 the KHK began building the High Pressure Gas Accidents Database, available on its website. The KHK also issued the following reports based on the High Pressure Gas Accidents Database:

#### **Annual reports**

The KHK has published annual reports about statistics and the analysis of high-pressure gas accidents. See: <a href="https://www.khk.or.jp/english/accident reports.html">https://www.khk.or.jp/english/accident reports.html</a>

## A survey on types of high-pressure gas accidents

The KHK has selected three accidents that were found to occur in similar facilities, parts, operations, gas types and compiled a survey report.

#### Recent accident investigation of high-pressure gas accidents

See: <a href="https://www.khk.or.jp/english/accident">https://www.khk.or.jp/english/accident</a> reports.html

The KHK selects specific accidents (about 15) from the previous year that serve as valuable lessons for the high-pressure gas accident community and conducts survey analysis (including field surveys) of the causes of accidents.

## Link/Contact:

https://www.khk.or.jp/english/accident\_reports.html

## **Comments by the UN/OECD Natech-Steering Group:**

Communication of lessons learnt should include also those from Natech accidents. This may be true for several databases for 'major accidents', but not for all Natechs as some of them may not be regarded as 'major accidents' and therefore not be in the scope of the underlying reporting system.

## **Imprint**

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