

Risk Disclosure for Community Protection from Natech disasters

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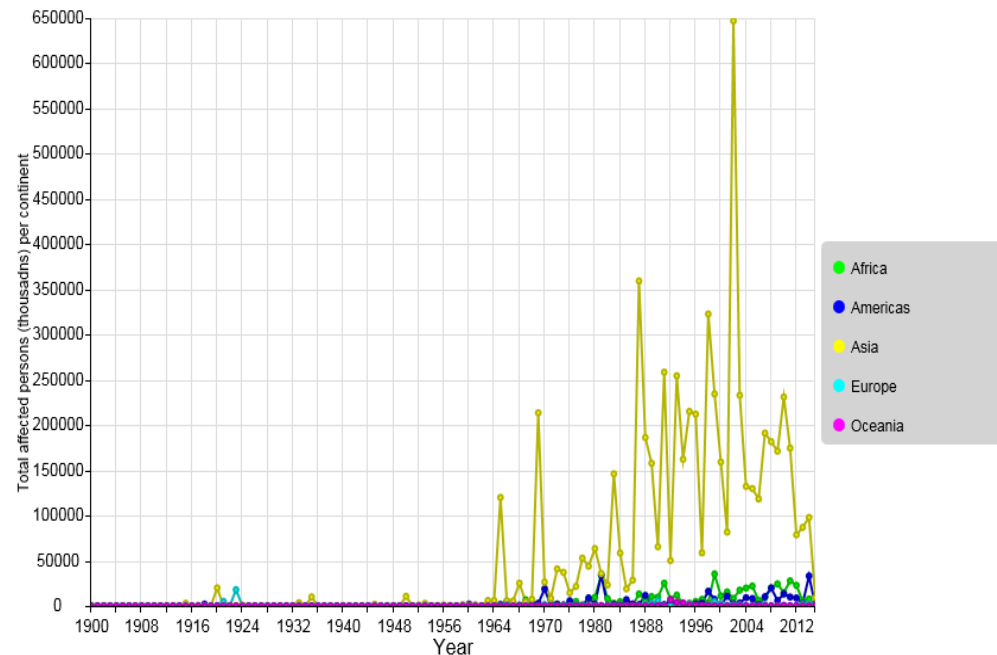


Japan CSO Coalition
for Disaster Risk Reduction

Disaster Trends

From UNISDR...

- 1. Downward trend in mortality risk** due to enhanced capacities in early warning, preparedness and response.
- 2. Upward trend in economic loss and damage** due to increase in exposure and vulnerability to natural hazards.
- 3. No sufficient attention, capacity and investment to address underlying risk drivers** (unequal economic development, poorly managed urbanization, climate change)



Sendai Framework for DRR 2015-2030

- **1.5 billion people** were affected by disasters in various ways.
- At Technical Hazard working session at WCDRR, participants called for proactive risk assessment, and **transparent disclosure of risks**.
- Sendai Framework's priority of areas:
 - 1. Understanding disaster risk;
 - 2. Strengthening disaster risk governance to manage disaster risk;
 - 3. Investing in disaster risk reduction for resilience;
 - 4. Enhancing disaster preparedness for effective response, and to “Build Back Better” in recovery, rehabilitation and reconstruction.
- Clear focus on **risk identification and mitigation**.

World Humanitarian Summit Consultations

- Nearly **60 million people**, half of them children, have been forced from their homes due to conflict and violence.
- In the last two decades, **218 million people** each year were affected by disasters; at an annual cost to the global economy that now exceeds **\$300 billion**.
- Build hope and solutions by investing in preparedness, **managing and mitigating risk**, reducing vulnerability, finding durable solutions for protracted displacement, and **adapting to new threats**.
- *Business as usual is not going to address humanitarian needs.*
- *Increase in disasters → More risks to industrial sites.*

Some Industrial Disasters in History

Disasters	Year	Location	Remark
Chernobyl Nuclear Power Plant Accident	1986	Ukraine	The damage is still continuing, and the power plant still not been dismantled. Thousands developed thyroid cancer as a result.
Bhopal Disaster	1984	India	Pesticide plant released deadly methyl isocyanate gas into the city's air, quickly killing about 4,000 people and injuring 560,000 individuals.
The Philips Disaster	1989	USA	This chemical complex experienced a chemical release from its polyethylene plant. 23 killed, and 314 injured.
Rana Plaza Collapse	2013	Bangladesh	More than 1,100 workers died and about 2,500 were injured.

Experience from Japan

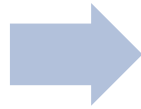
- **Nuclear power plant meltdown** at Fukushima Daiichi Nuclear Power Plant
- **Many lessons** are drawn including:
 - Safety myth
 - Emergency evacuation
 - Information management
 - Critical infrastructure such as hospitals
- How are these lessons mitigating the **future risks**?





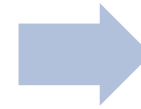
Understanding Risks

- Multi-stakeholder assessment and sharing



Mitigation plan

- Disaster management guidelines / plans



Invest in risk reduction

- Collective implementation of mitigation / risk management plans

Community of Practice on Industrial Risk Disclosure Guideline

- Came out of the Environmental Emergencies Forum, as a purely volunteer commitment from the participants.
- Activities of the group will be officially recognized by the Forum, and the result of the work will be presented at the next Environmental Emergencies Forum in 2017.
- The final output of the group will be a document that outlines guidelines/code of conduct that can be a reference document while coming up with specific risk disclosure strategies in each respective industry.
- From Japan, JCCDRR, Kyoto University, and Osaka University are members.

Sharing Lessons...



Basics about radiation
and nuclear power plant risks,
to utilize the lessons for the future...

10 Lessons from Fukushima

Reducing risks and protecting communities
from nuclear disaster

THANK YOU!

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