



# **Safety at sea and in ports in times of radiation crisis**

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# Great East Japan Earthquake, Tsunami and Nuclear Power Plant

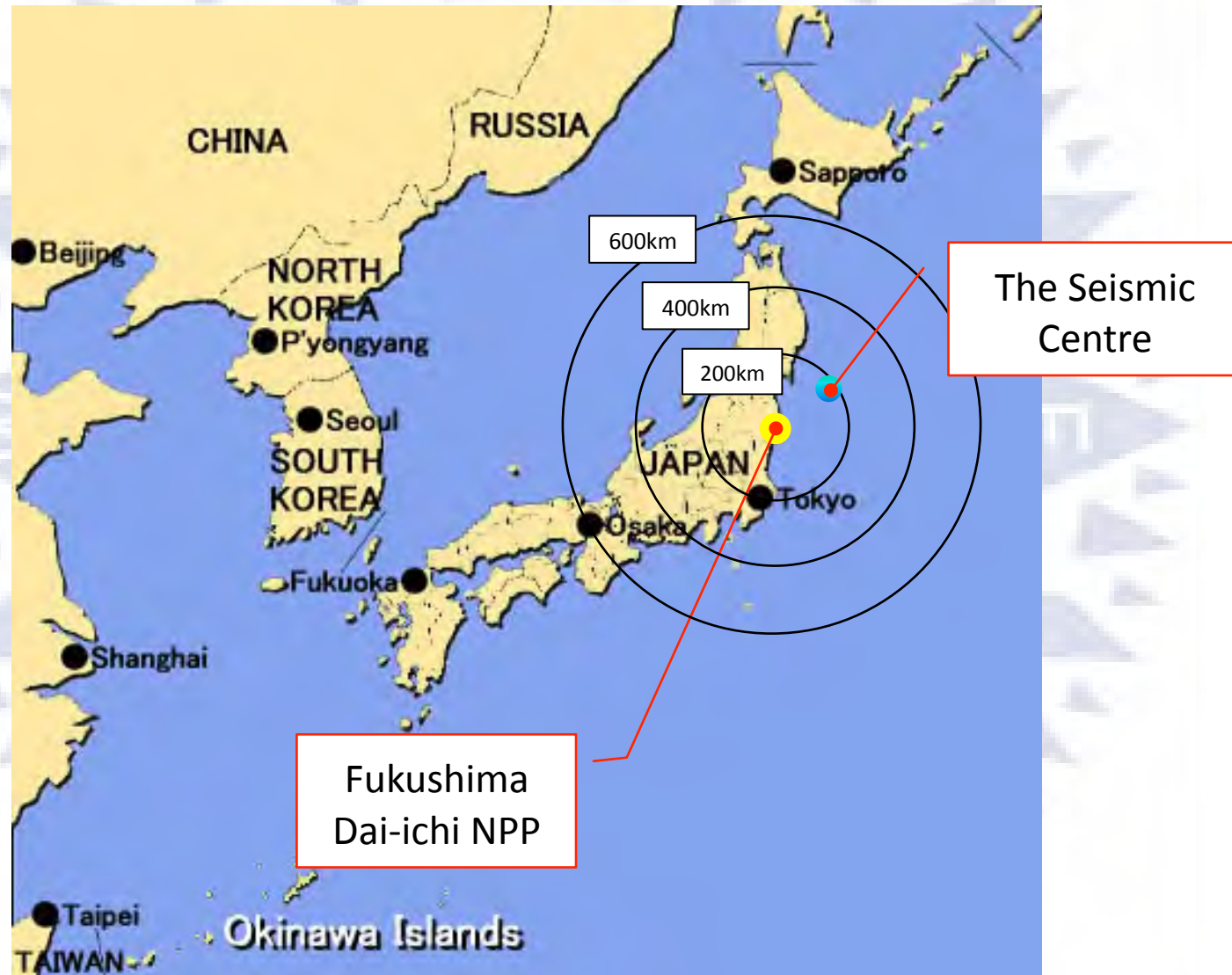
On behalf of Japan Captains' Association, I would like to express our deepest appreciation for the support, encouragement and friendship our friends around the world have shown to us.

# Purpose of this paper

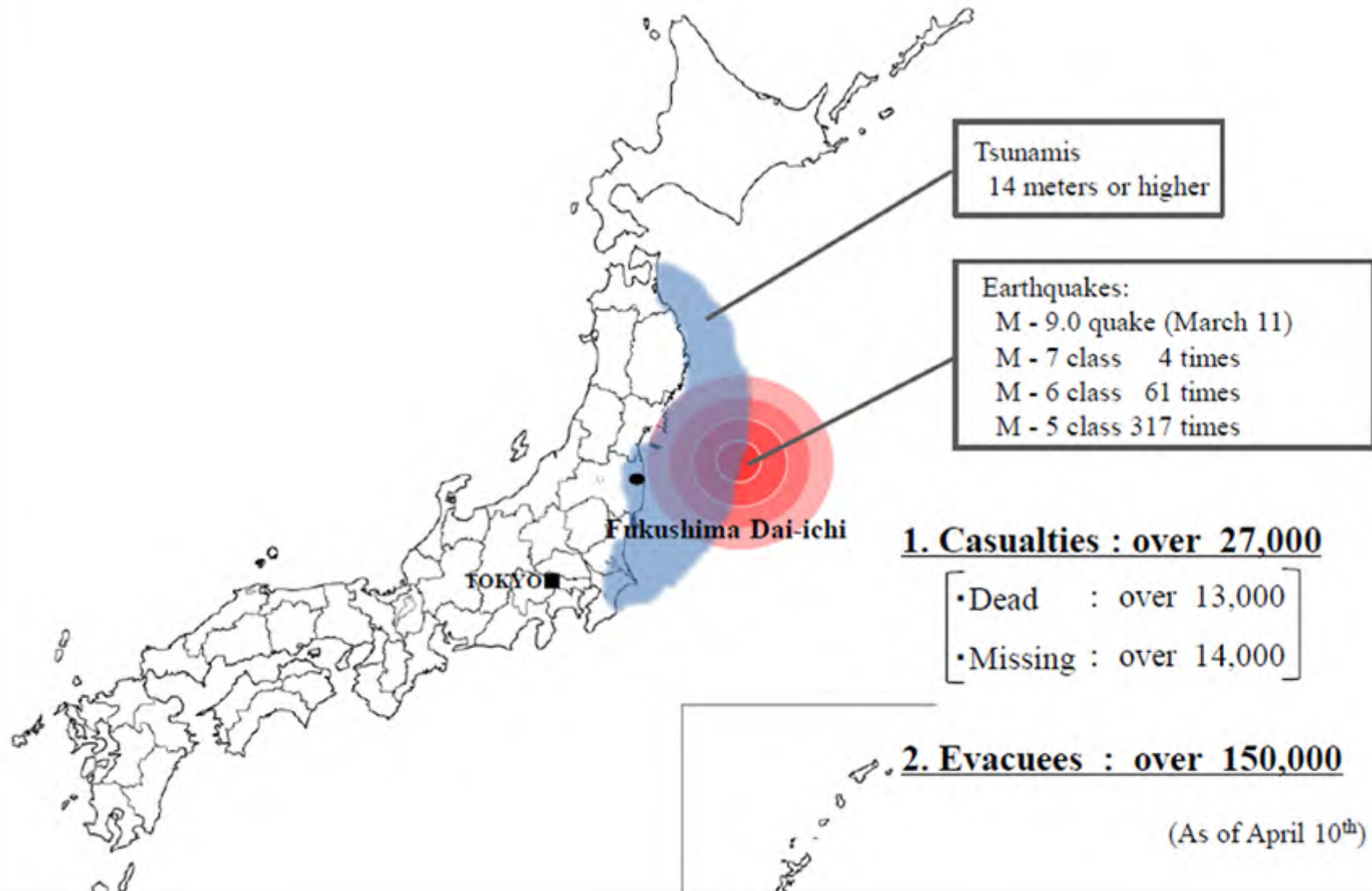
To brief

- Where and what happened on 11<sup>th</sup> March 2011?
- What is going on now?
- How we can access the most reliable information ?

# Japan and its Vicinity



# Great East Japan Earthquake and Tsunami







# Where will the Debris from Japan's Tsunami Drift in the Ocean?

<http://www1.kaiho.mlit.go.jp/TUHO/nwe.html>

- The debris is drifting in the Pacific ocean and heading eastward.
- The debris will reach Northwestern Hawaii in a year and the plume will reach the US West Coast in three years.
- Access NAVAREA Warning for further information of the Debris.

# IMO Circular

- IMO issued a circular on 15<sup>th</sup> April 2011 which contained “Current radiation Levels in Japan”.
- According to the circular, Radiation monitoring around seaports in Japan to confirm that levels remain well within safe limits from a health perspective.



# Measurement of Radiation Doses in the Ports in Tokyo Bay

Ministry of Land, Infrastructure, Transport and Tourism

[http://www.mlit.go.jp/kowan/kowan\\_fr1\\_000048.html](http://www.mlit.go.jp/kowan/kowan_fr1_000048.html)

## Radiation Measurement on Containers and Ships in Ports (Outline)



MLIT has developed the guideline on radiation measurement for export containers and ships in ports in response to the need for the information on radiation dose rate for containers and ships from Japan. Radiation measurement on containers and ships is due to start at Yokohama Port and Tokyo Port.

### 1. Framework

Based on MLIT guideline, port authorities or shipping companies measure the dose rate of radiation for containers and ships, and public institutions (government of Japan, port authorities, or Class NK) issue the attestation for radiation dose measurement on the request from shipping companies.

### 2. Method

Radiation measurement will be conducted at container terminal gates and decks of ships, using mobile-type radiation meters.

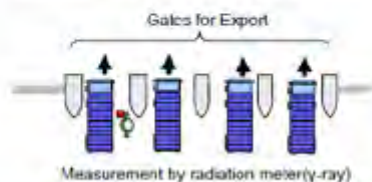
### 3. Indicative Criteria

According to the standard value developed by international bodies (IAEA, IMO), criteria for decontamination is defined on the guideline. If the measured dose rate exceeds the criteria, decontamination will be taken.



The dose rate of radiation on the surface of containers and ships is measured by mobile-type radiation meters.

Measurement at container terminal gate (image)



Radiation Measurement of Containers



Radiation Measurement of Vessel Bodies

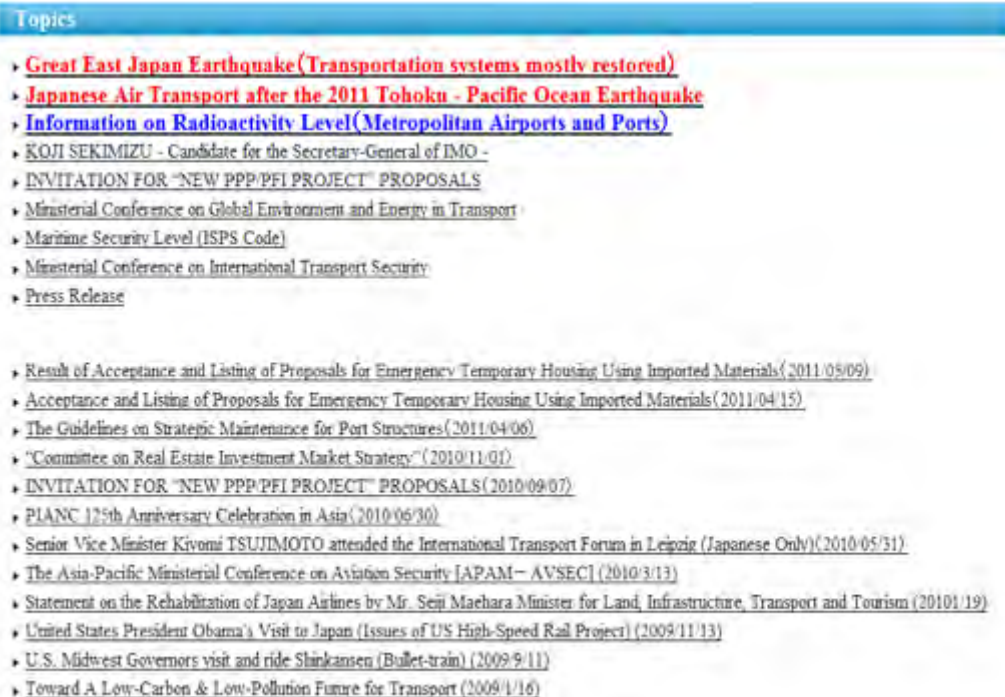


# Ministry of Land, Infrastructure, Transport and Tourism

<http://www.mlit.go.jp/en/index.html>

## Topics

- Great East Japan Earthquake (Transportation Systems mostly Restored)
- Japanese Air Transportation after the 2011 Tohoku-Pacific Ocean Earthquake
- Information on Radioactivity Level (Metropolitan Airports and Ports)

A screenshot of the 'Topics' section on the MLIT website. The page has a blue header with the word 'Topics' in white. Below the header is a list of links, some in red and some in blue, with dates in parentheses. The links include: 'Great East Japan Earthquake(Transportation systems mostly restored)', 'Japanese Air Transport after the 2011 Tohoku - Pacific Ocean Earthquake', 'Information on Radioactivity Level(Metropolitan Airports and Ports)', 'KOJI SEKIMIZU - Candidate for the Secretary-General of IMO -', 'INVITATION FOR "NEW PPP/PFI PROJECT" PROPOSALS', 'Ministerial Conference on Global Environment and Energy in Transport', 'Maritime Security Level (ISPS Code)', 'Ministerial Conference on International Transport Security', 'Press Release', 'Result of Acceptance and Listing of Proposals for Emergency Temporary Housing Using Imported Materials(2011/08/09)', 'Acceptance and Listing of Proposals for Emergency Temporary Housing Using Imported Materials(2011/04/15)', 'The Guidelines on Strategic Maintenance for Port Structures(2011/04/06)', '"Committee on Real Estate Investment Market Strategy"(2010/11/01)', 'INVITATION FOR "NEW PPP/PFI PROJECT" PROPOSALS(2010/09/07)', 'PLANC 125th Anniversary Celebration in Asia(2010/06/30)', 'Senior Vice Minister Kiyomi TSUJIMOTO attended the International Transport Forum in Leipzig (Japanese Only)(2010/05/31)', 'The Asia-Pacific Ministerial Conference on Aviation Security [APAM- AVSEC](2010/3/13)', 'Statement on the Rehabilitation of Japan Airlines by Mr. Seiji Maehara Minister for Land, Infrastructure, Transport and Tourism(2010/1/19)', 'United States President Obama's Visit to Japan (Issues of US High-Speed Rail Project)(2009/11/13)', 'U.S. Midwest Governors visit and ride Shinkansen (Bullet-train)(2009/9/11)', and 'Toward A Low-Carbon & Low-Pollution Future for Transport(2009/1/16)'.

Topics

- [Great East Japan Earthquake\(Transportation systems mostly restored\)](#)
- [Japanese Air Transport after the 2011 Tohoku - Pacific Ocean Earthquake](#)
- [Information on Radioactivity Level\(Metropolitan Airports and Ports\)](#)
- [KOJI SEKIMIZU - Candidate for the Secretary-General of IMO -](#)
- [INVITATION FOR "NEW PPP/PFI PROJECT" PROPOSALS](#)
- [Ministerial Conference on Global Environment and Energy in Transport](#)
- [Maritime Security Level \(ISPS Code\)](#)
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- [Press Release](#)
  
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- [Toward A Low-Carbon & Low-Pollution Future for Transport\(2009/1/16\)](#)

# Useful website

For more information or updates, visit the following website:

(International Organizations)

- <http://www.imo.org/MediaCentre/PressBriefings/>
- <http://www2.icao.int/en/NewsRoom/Lists/News>

(Government of Japan)

- [http://www.mlit.go.jp/en/maritime/maritime\\_fr1\\_000007.html](http://www.mlit.go.jp/en/maritime/maritime_fr1_000007.html)
- [http://www.mlit.go.jp/kowan/kowan\\_fr1\\_000041.html](http://www.mlit.go.jp/kowan/kowan_fr1_000041.html)
- <http://www.mext.go.jp/english/incident/1303962.htm>
- (Ports and Harbours)
- <http://www.pa.ktr.mlit.go.jp/index.html>
- <http://tokyoport-measurement.jp/> (Japanese only)
- <http://www.ypdc.or.jp/radiation/yokohama>

# Conclusion

- \* Rest assured that every effort will be made to stabilize the situation at Fukushima Nuclear Power Plant by Japan.
- \* Fully recognizing the implications of the accident on the international community in its entirety, Japan is committed to providing information with the maximum transparency possible.

Thank you very much for your attention