

# Humanitarian Logistics

## Group Project Paper

### Fukushima the triple disaster

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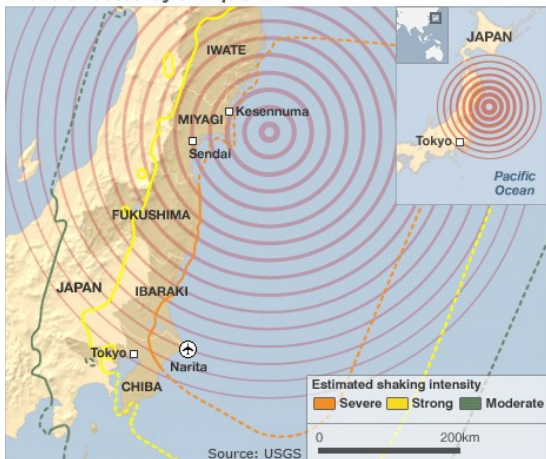


# The triple disaster - Fukushima

## Earthquake

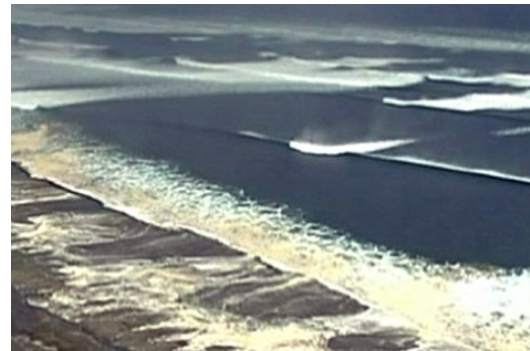
- 5<sup>th</sup> largest in the world
- Biggest in Japan
- Magnitude is 9.0
- Several earthquake afterwards
- Regions affected:

Areas affected by the quake



## Tsunami

- Waves up to 38m height
- Flooding area of ca. 470km<sup>2</sup>



## Nuclear Disaster

- Caused by earthquake and tsunami
- Explosion in three nuclear reactors were caused
- Radiation level of up to 1000 times inside and up to 8 times outside the plant was recorded



# Relief organizations which were involved

## Red Cross

- Founded on 1<sup>st</sup> May 1877
- Staff: ca. 60.000
- Activities during triple disaster



# Outline of paper

1. **Introduction**
2. **Type of natural disaster**
  - a. Date, impact, humans affected, etc.
3. **Relief organizations that were Involved during or afterwards**
  - a. Number of organizations involved, activities, etc.
4. **Four phases of disaster management**
  - a. Mitigation
    - i. What did the organization do well?
    - ii. What didn't it do well?
  - b. Preparedness
    - i. What did the organization do well?
    - ii. What didn't it do well?
  - c. Response
    - i. What did the organization do well?
    - ii. What didn't it do well?
  - d. Rehabilitation
    - i. What did the organization do well?
    - ii. What didn't it do well?
5. **Lessons learned**
6. **Conclusion**



# Thank you!

Questions?  
Answers!

