



TOHOKU
UNIVERSITY

Inputs from Great East Japan Earthquake

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My Organization

- ✓ **Established in April 2012**
- ✓ **More than 100 researchers**
- ✓ **Diversity**
 - **Seismology, Engineering, Urban Planning, Architecture, Medical Science, Sociology, Cognitive science, History, Law, Economics, International Relations**
- ✓ **Funded by Government of Japan: 10 years (not permanent)**

Myself

- ✓ **International relief coordination: the Cluster Approach**
- ✓ **Historical evolution of international efforts in disaster (risk) reduction**
- ✓ **Social surveys (questionnaire based)**
 - **Great East Japan Earthquake**
 - **Volcanic eruption in Indonesia**
 - **Super Typhoon Haiyan in the Philippines**

Global Safety Program: Educational

- ✓ **Funded by Government of Japan: 7 years (not permanent)**
- ✓ **Educational program: Practitioners rather than researchers**



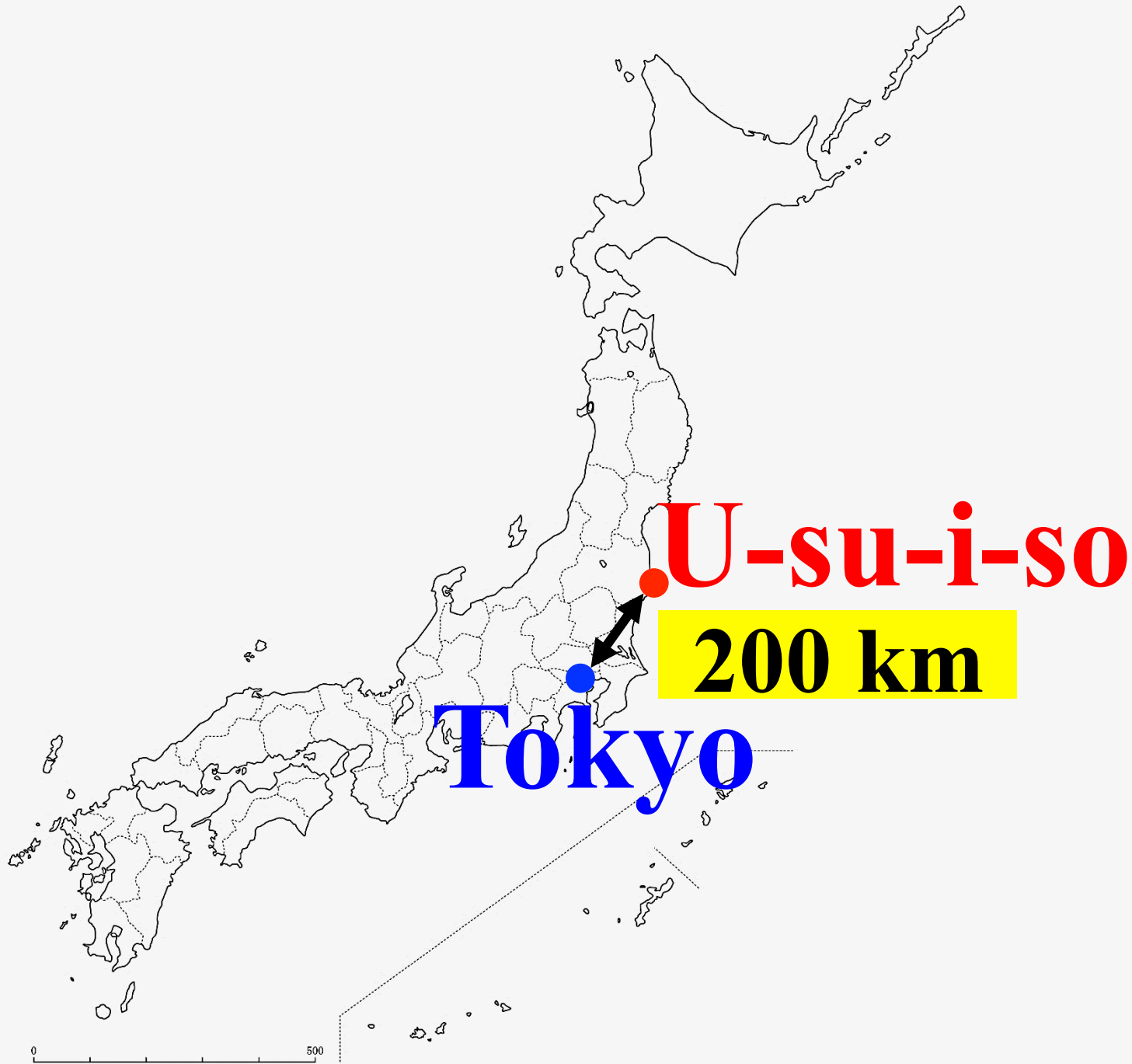
Students  **Professors**

Departments in Graduate School and



Project in U-su-i-so

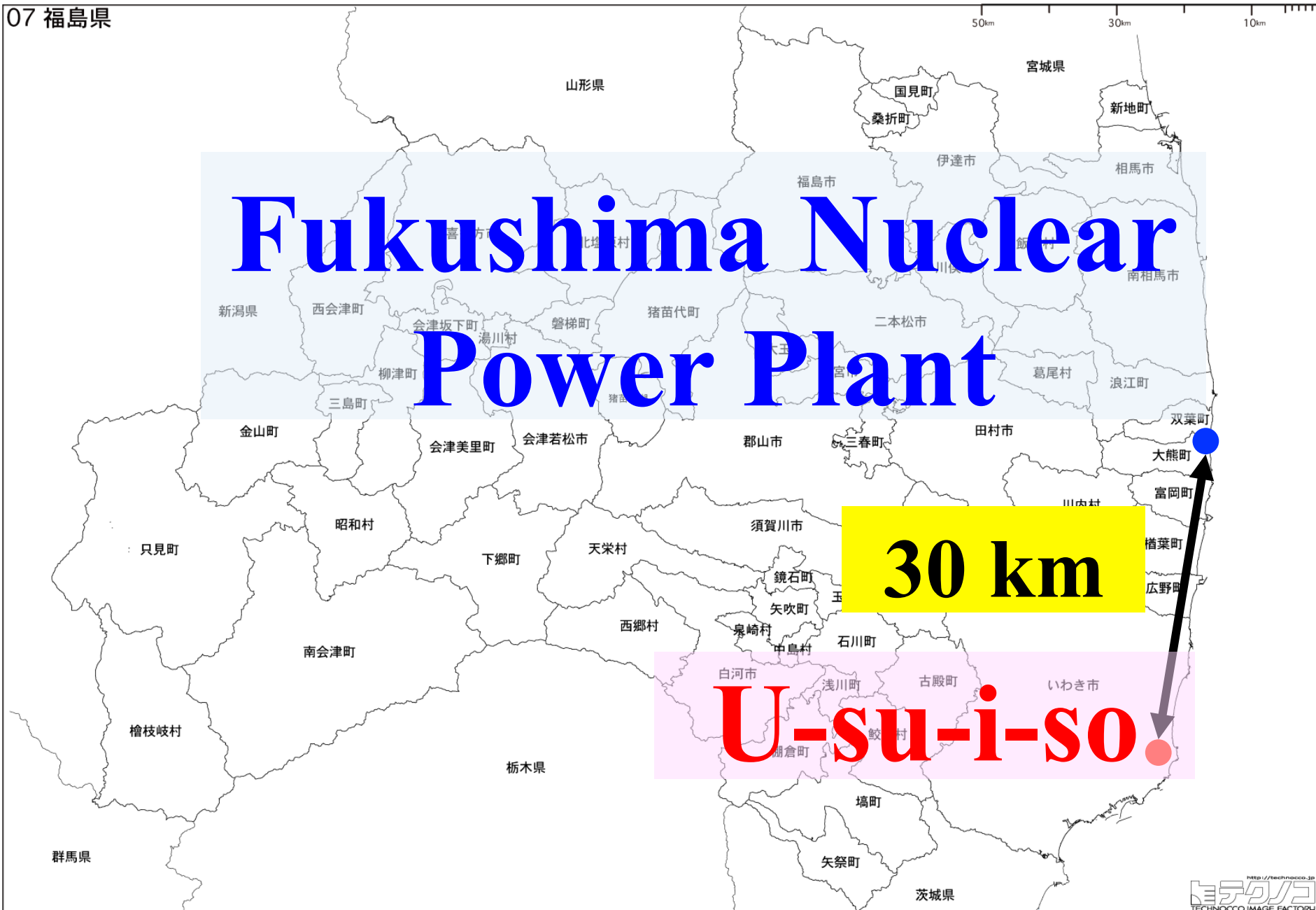
- ✓ **Practical efforts by the students and professors**
- ✓ **Utilizing academic backgrounds**
- ✓ **Students: Philosophy, Sociology, Civil Engineering, Seismology, Earth Science**
- ✓ **Faculties: Sociology, Science communication, International Relations**



U-su-i-so

200 km

Tokyo



Fukushima Nuclear Power Plant

30 km

U-su-i-so

GEJE in U-su-i-so

- ✓ **Tsunami height: 8 m**
- ✓ **116 Death**
 - ✓ **761 persons (266 households)**
- ✓ **65%: Houses destroyed by tsunami inundation**



Challenges in U-su-i-so

- ✓ **Return to the original place (>50%)?**
- ✓ **Living in higher lands?**
- ✓ **Price of land?**
- ✓ **Evacuation routes?**
- ✓ **An affected and destroyed school for historical heritage**
- ✓ **Evacuees from the nuclear accident?**
- ✓ **Tourists**

Emotion of Local Residents

- 1. Anxiety for the future: Aging and low birthrate**
- 2. Irritation by unclearness: Progress, Information-sharing**
- 3. Trustless: Changes of plans, Selection of evacuation places**
- 4. Unfairness: Difference of amount of aid, land price**

✓ **The project by the G-Safety**

→ **Training/Simulation/Drill, History of disaster event, educational program, community based organization**

Thank you very much.



G-Safety

SCIENCE FOR GLOBAL SAFETY