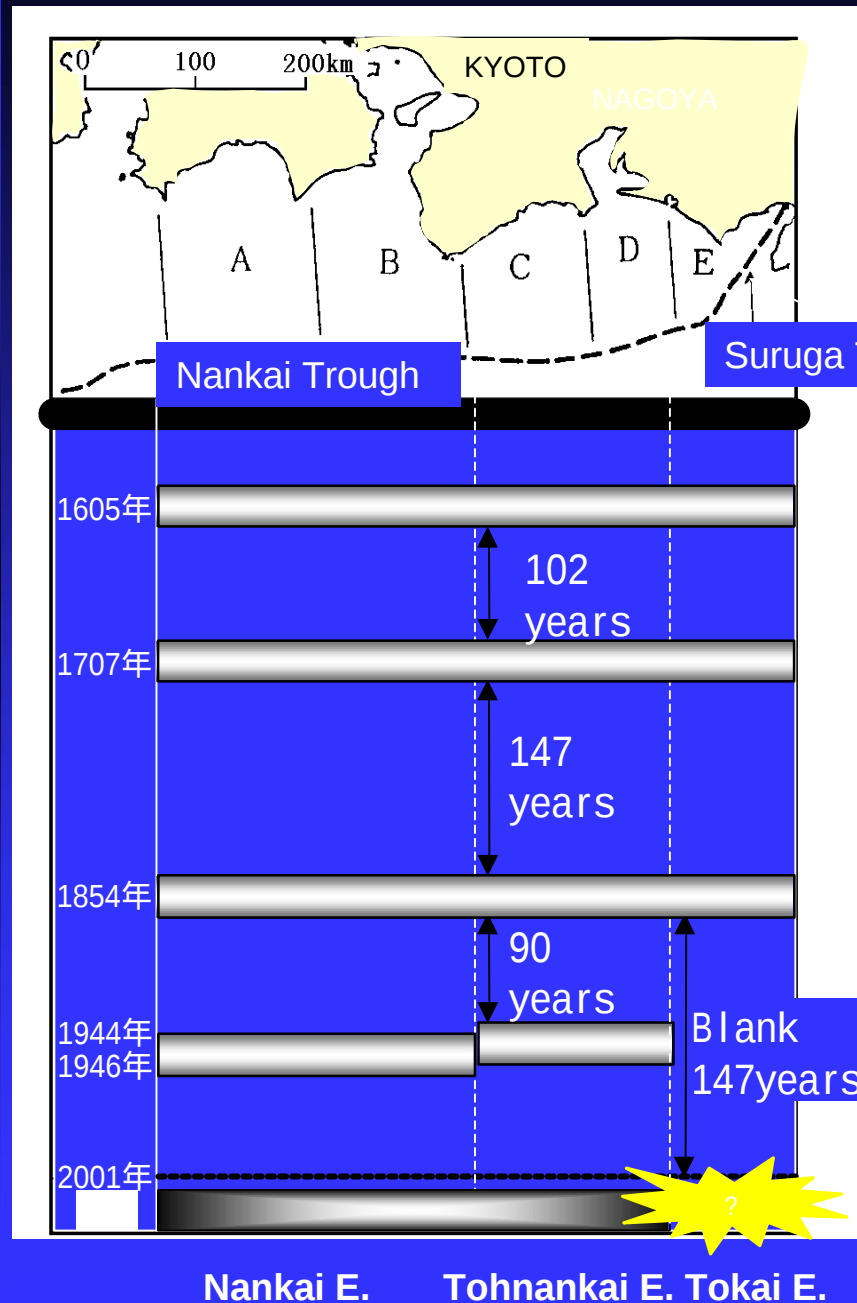


Abstract of
“Tohnankai and Nankai Earthquakes
Countermeasures Special Act ”

Hiroaki MIYATAKE

Cabinet Office of Japan

Occurrence of Tokai Earthquake and Tohnankai and Nankai Earthquakes



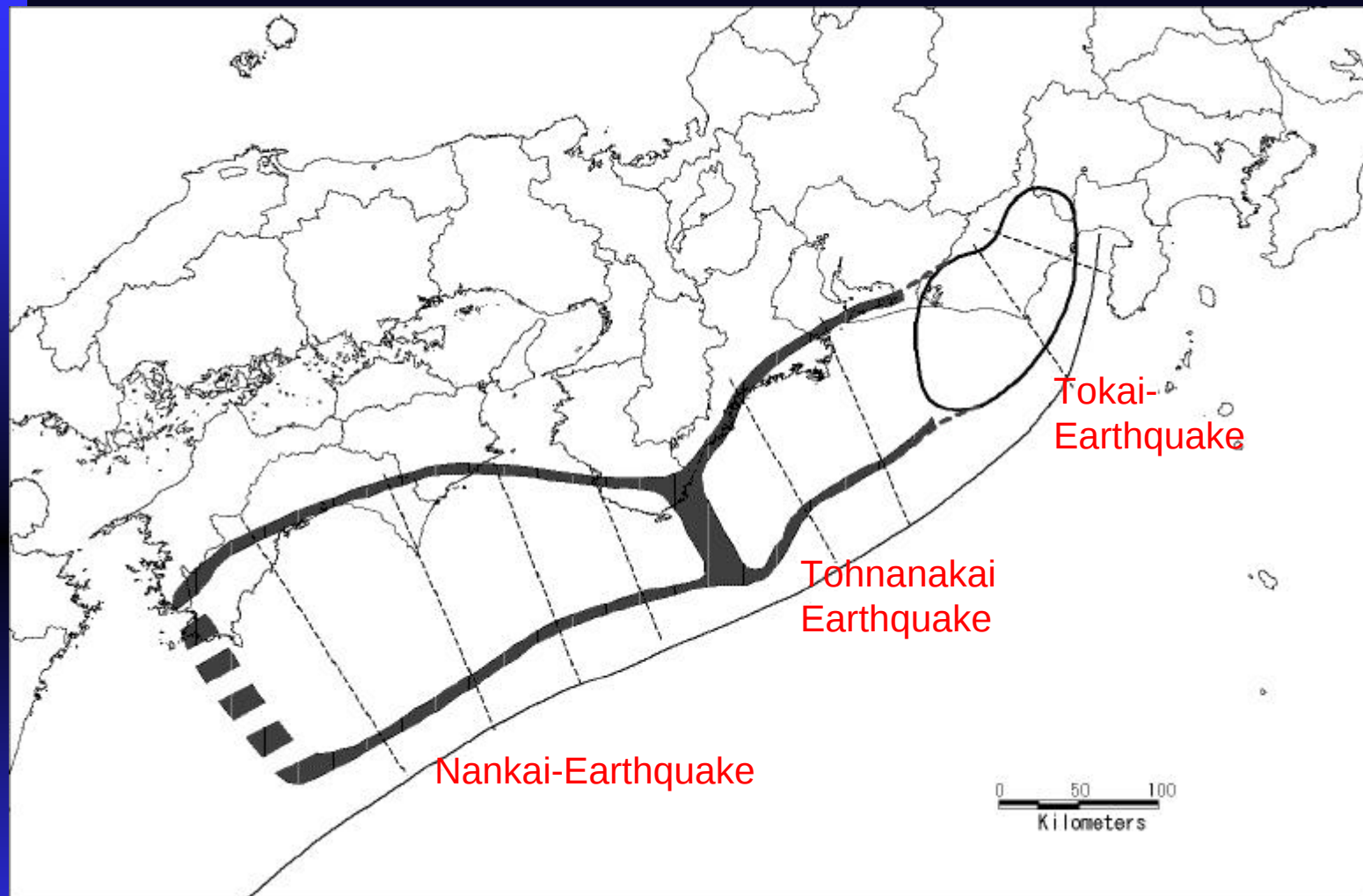
- Keicho Earthquake (M7.9)

- Houei Earthquake (M7.9)
Killed 5,038

- **Ansei-Tokai (M8.4)**
Killed 2,658

- Tohnankai Earthquake (M7.9)
Killed 1,251

- Nankai Earthquake (M8.0)
Killed 1,330

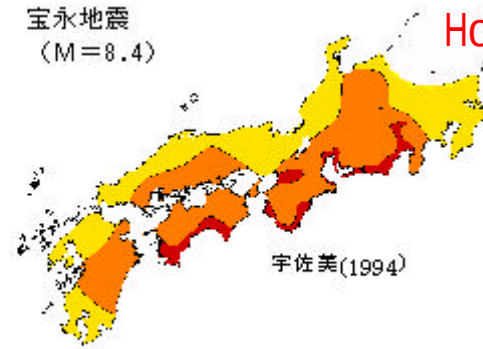


Assumption of Probable Source Region of Tohnanakai and Nankai Earthquakes

Seismic Intensity Map of Large-Scale Earthquake along the Nankai-Trough

1707年 宝永地震
(M=8.4)

Houe i (1707)

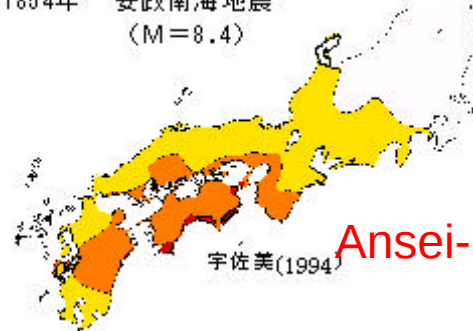


Seismic Intensity Scale of JMA



宇佐美(1994)

1854年 安政南海地震
(M=8.4)



Ansei-Nankai(1854)

宇佐美(1994)

1854年 安政東南海地震
(M=8.4)



Ansei-Tohnankai(1854)

宇佐美(1987)

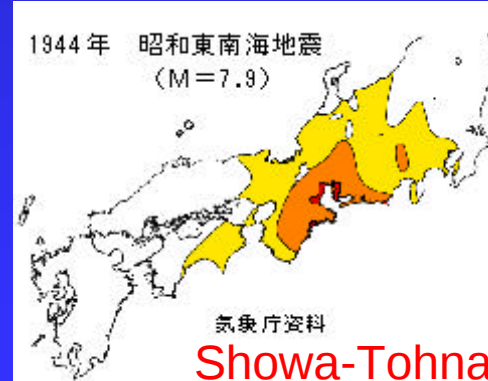
1946年 昭和南海地震
(M=8.0)



Showa-Nankai(1946)

気象庁資料

1944年 昭和東南海地震
(M=7.9)

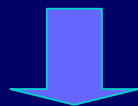


Showa-Tohnankai(1944)

気象庁資料

Organization for Technical Investigations for Tohnankai and Nankai earthquakes

- Established 3th Oct. 2001
- 5 times meetings were held
- Theme of study
 - Scoped area
 - Estimation method of earthquake strength and height of Tsunami
 - Method for estimation of predicted damage



April 2003

Central Disaster Management Council

The General Principles on Countermeasures for Earthquakes Directly below the Chubu Region

The General Principles on Countermeasures for Earthquakes Directly below the Kinki Region

Procedures determined by Tohnankai and Nankai Earthquakes Countermeasures Special Act

Determination of the area to promote countermeasures

- Basic plan for promotion(National), Action plan(Pref. Public organization) measure plan (companies)
- Strengthen of observation
- Facilities development

Relationship of Laws on Earthquakes Disaster Prevention

	Observation System	Emergency Countermeasures	Facilities Development
Oceanic Type Huge Earthquake which can be predicted	Large-Scale Earthquake Countermeasures Act Strengthen of system for observation Refuge and Caution based Prediction Earthquake special fiscal countermeasures Act Refuge, emergency route and Fire service facilities		
Countermeasures for Tohnankai and Nankai Earthquake	Tohnankai and Nankai Earthquake Countermeasures Special Act Facilities Development for observation Refuge from Tsunami Refuge, emergency route and Fire service facilities		
General Earthquake		Earthquake Disaster Prevention Special measures Act	Refuge, emergency route and Fire service facilities

Issues and prospects of

Tohnankai and Nankai earthquake disaster
countermeasures(1)

1 Preparation for system to cope with wide area disaster

Provision for transportation routes, wide area medical treatments,
wide area transportation activities, etc.

2 Change from uniform countermeasures in the Area to Promote

Earthquake Management Disaster Measures to a variety of ones according
to seismic intensity and distribution of the attitude of tsunami

**3 Preparation for the general plan for measures including outside of
the Area to Strengthen Earthquake Management Disaster Measures**

4 Promotion of seismic retrofit of houses and public buildings

Issues and prospects of

Tokai-earthquake disaster countermeasures(2)

5 Countermeasures considering influence to tall buildings due to shaking by the earthquake at the long time intervals

6 Assistance for persons who need help in the case of emergency,utilization of volunteers,reconstruction of the local voluntary disaster management organization, and utilization of Now-cast forecast system, and promotion of disaster management system by enterprise