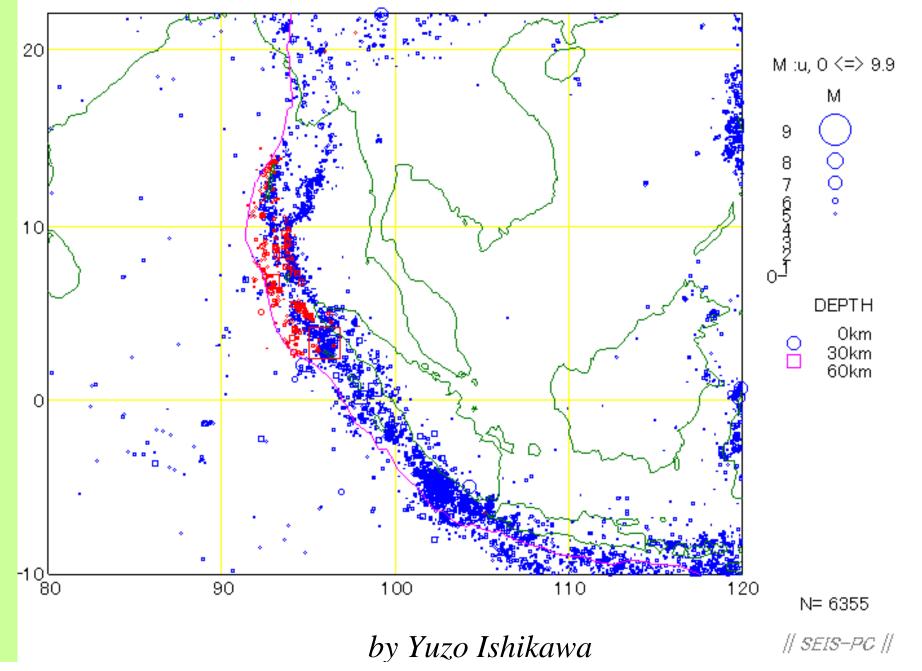
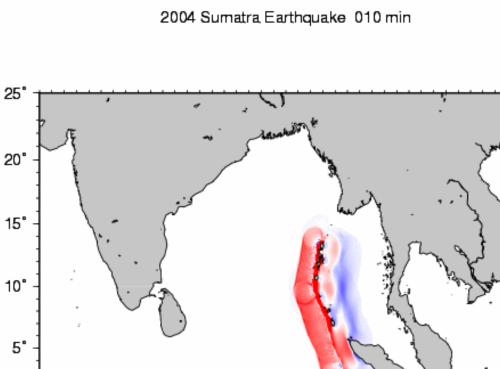
1964 1/1 0: 0 - 2004 12/25 23:59 2004 12/26 0:0 - 2005 1/15 24:0



61



90°

100°

11(

0°

-5°

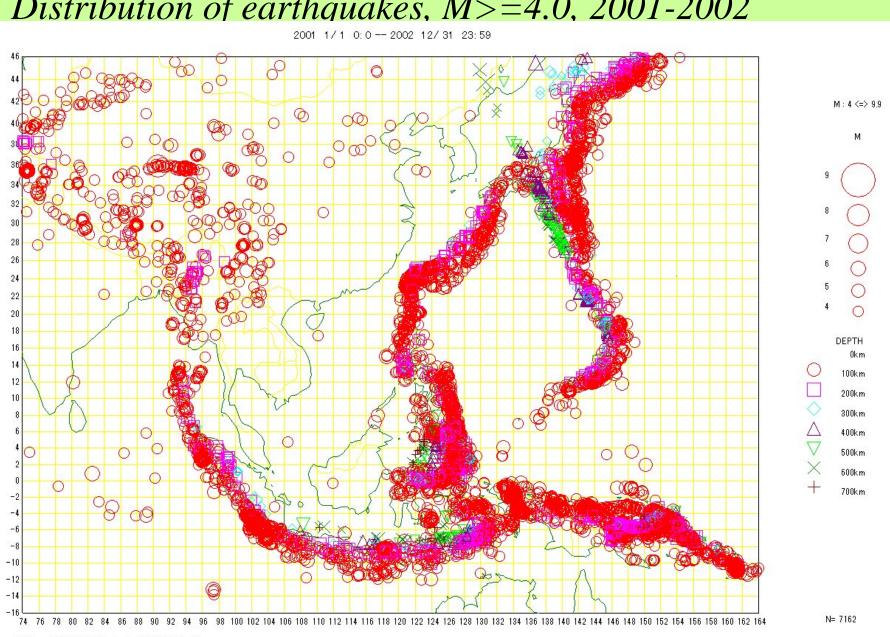
-10°

-15°

70°

80°

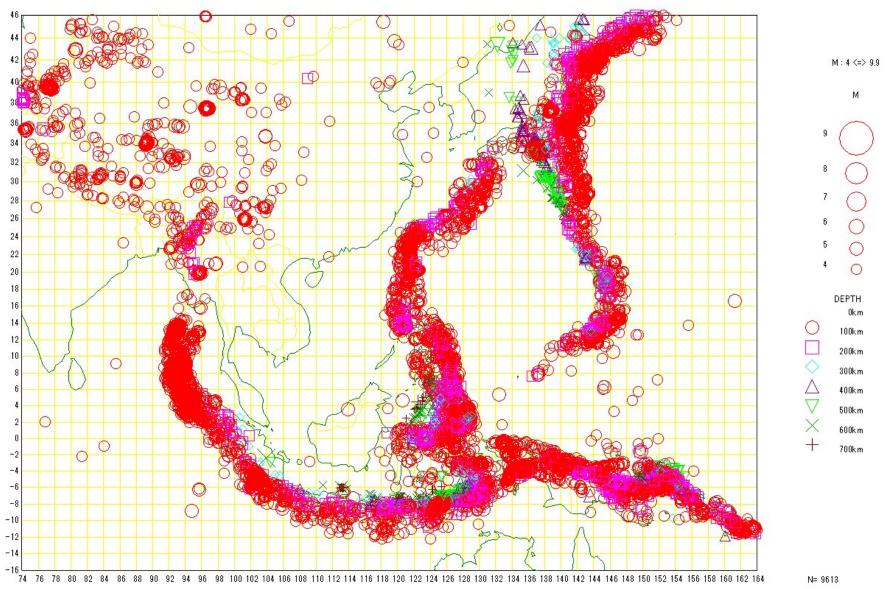




Distribution of earthquakes, M >= 4.0, 2001-2002

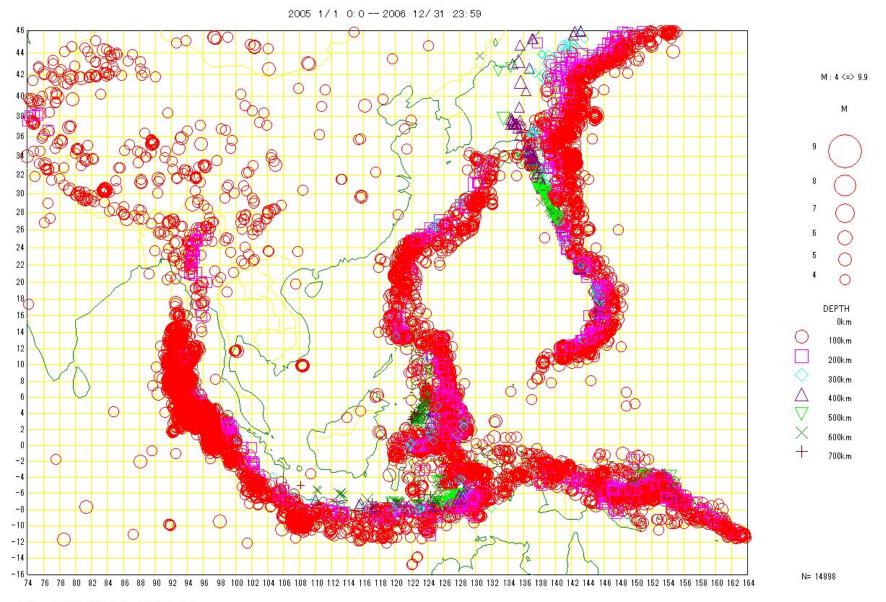
FILE:engdahl1900-1963.seis,vhyp19642006pde.all

Distribution of earthquakes, M>=4.0, 2003-2004

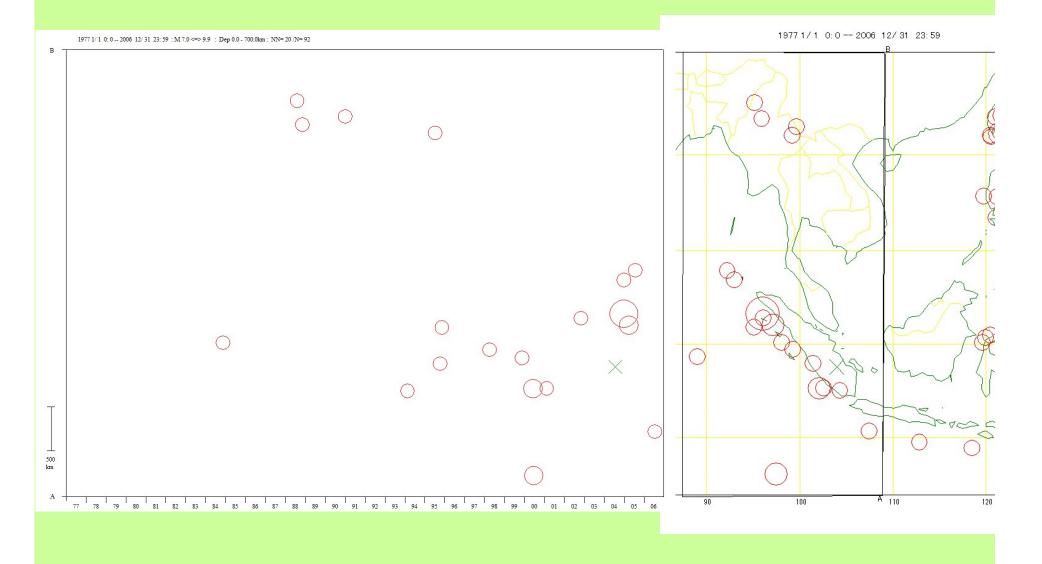


2003 1/1 0:0 -- 2004 12/31 23:59

Distribution of earthquakes, M>=4.0, 2005-2006



Time-space distribution in the Sunda arc region $1980-2006 \quad M > = 7$

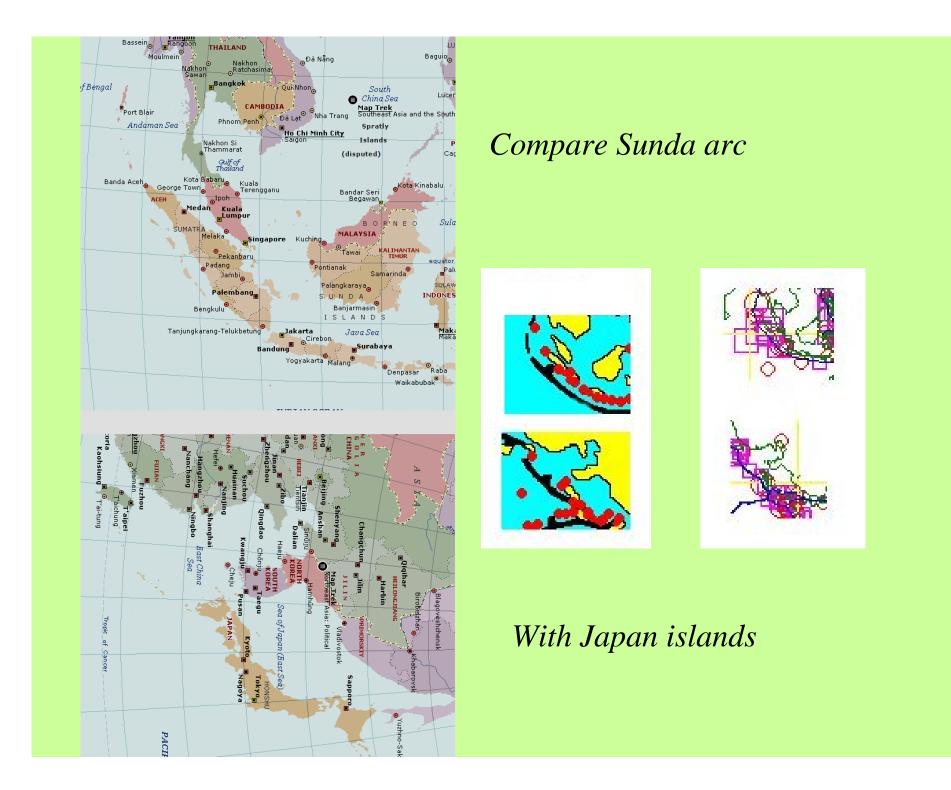


M>= in Indonesia(USGS)
1
)
1
9(20010200222003120045+1)

2004 12 26 - Sumatra-Andaman Islands - M 9.1 Fatalities 227,898

2005-2008 11 2009-2012 8 (- end of 2010)

2009 01 03 - Near the North Coast of Papua, Indonesia - M 7.6 Fatalities 2 2009 01 03 - Near the North Coast of Papua, Indonesia - M 7.4 2009 01 03 - Near the North Coast of Papua, Indonesia - M 7.7 Fatalities 5 2009 01 03 - Near the North Coast of Papua, Indonesia - M 7.4 2009 02 11 - Kepulauan Talaud, Indonesia - M 7.2 2009 09 02 - Java, Indonesia - M 7.0 Fatalities 81 2009 09 30 - Southern Sumatra, Indonesia - M 7.5 Fatalities 1,117 2010 05 09 - Northern Sumatra, Indonesia - M 7.2



Tsunami by Tokai/Tonankai/Nankai Earthquakes

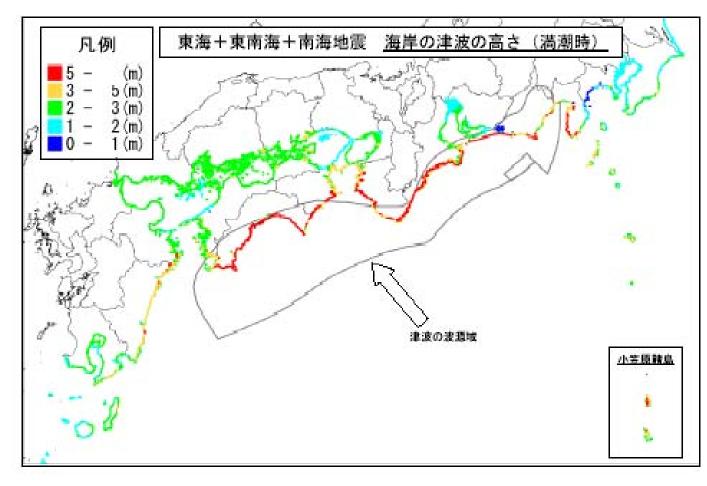


図6 東海+東南海+南海地震による海岸の津波の高さ(満潮時)

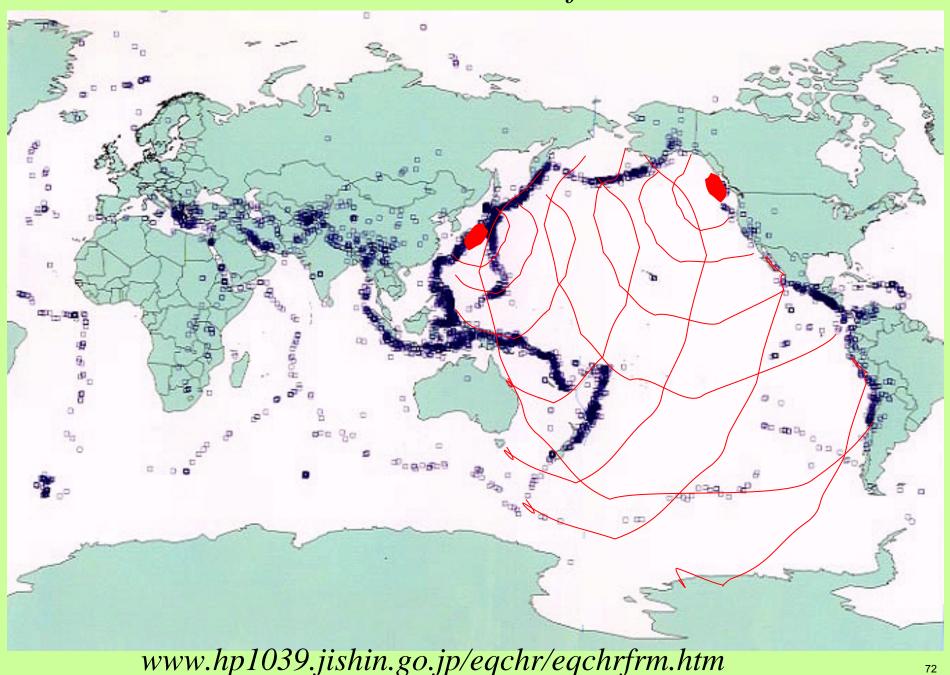
For the next great earthquakes

- Big tsunami
- Sunda arc and Japan arc
- Until from 2030 to 2040
- What shall we do?
- For the next generation

Great Wave off the Coast of Kanagawa, by Hokusai



Tsunami Disasters around the Pacific Rim



What should we do?

- Regional Tsunami Disaster Risk Assessment
- Local Tsunami Disaster Risk Assessment
- Participatory Strategic Planning for Tsunami Disaster Reduction
- Regional Seismic Risk Assessment
- Implementation of Countermeasures for Tsunami Disaster Mitigation and Preparedness
 - Structural Measures
 - Informational Measures
 - Educational Measures

APRU/AEARU Research Symposium on "Earthquakes Hazards around the Pacific Rim - Prediction and Disaster Prevention - "

- August 31, 2005 -



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Thank you very much.



감사합니다