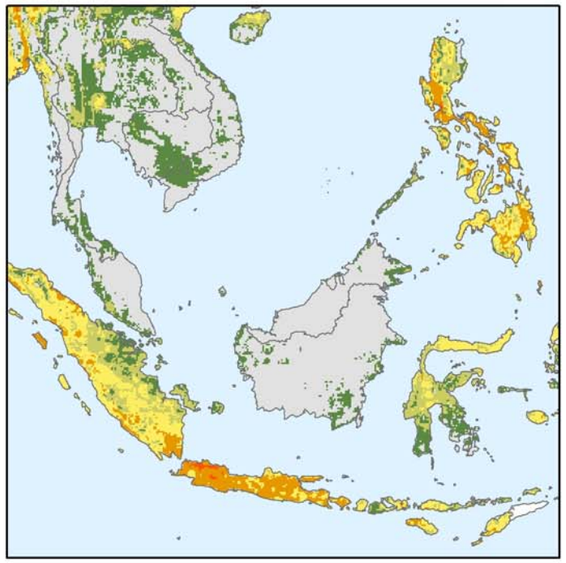
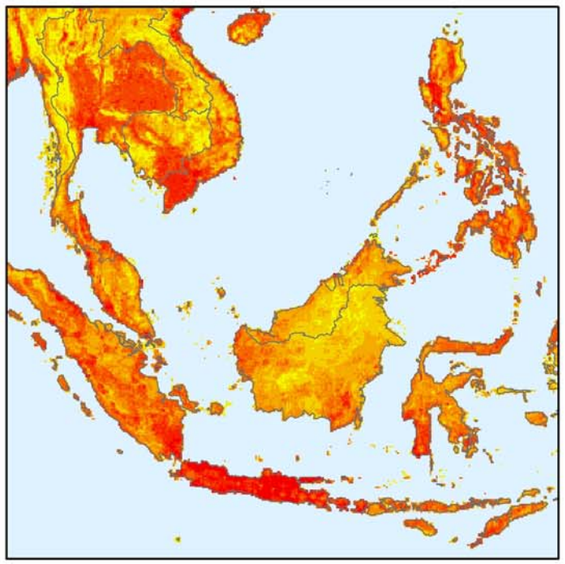
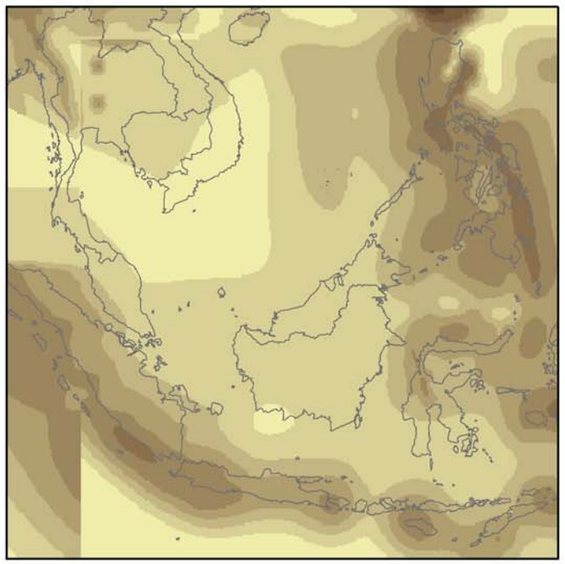
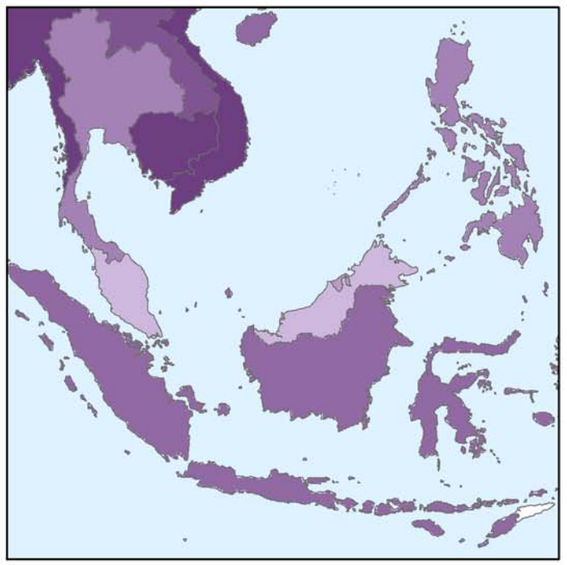
Risk of Loss of Life Due to Earthquakes - Example Areas at Larger Scale

Map 3



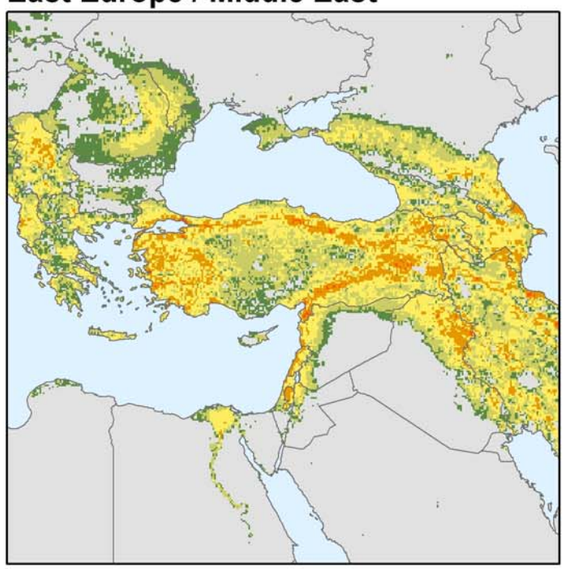


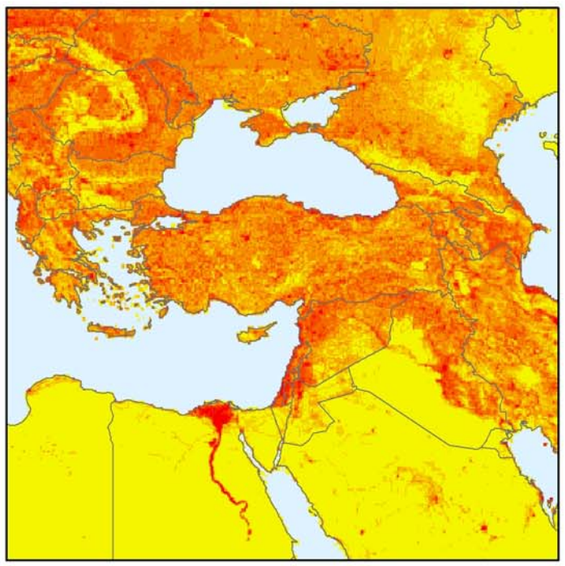


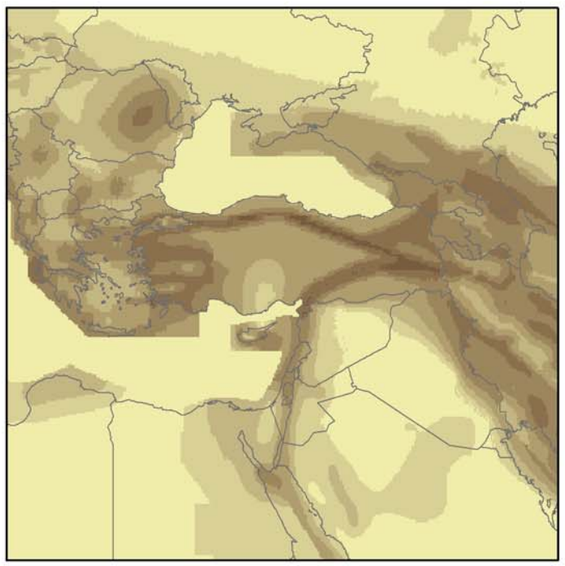


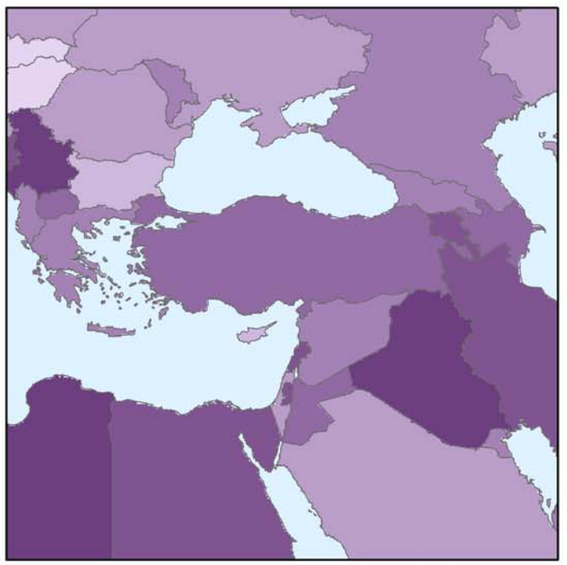
South East Asia

East Europe / Middle East









Map production:
2006
by Stefan Schneiderbauer
as part of the
Doctoral thesis:

"Risk and Vulnerability to Natural Disasters
- from Broad View to Focused Perspective - "

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Legend

Risk of loss of life due to earthquakes

- minor risk
- very high risk
- no data
- no risk
- water

Underlying equation:
R = H x V x E
with R = risk,
H = hazard,
V = vulnerability of people
E = Exposure

Legend

- water

Population Density

- very low
- very high

Data Source:
Landscan 2002
Reference:
LandScanTM Global Population Database.
Oak Ridge National Laboratory.
http://www.ornl.gov/sci/landscan/

Scale 1 : 40,000,000

Projection: Miller Cylindrical World
Datum: WGS 1984
Pixel size approxemately 6' x 6'
(11,131 km at the equator)

Data Source:
Global Seismic Hazard Assessment Program (GSHAP), launched by the International Lithosphere Program (ILP) with the support of the International Council of Scientific Unions (ICSU). Data release: 1999
http://www.seismo.ethz.ch/GSHAP/

Legend

Risk of Seismic Hazard

- very low
- very high

Data Source:
Composite indicator for hazard independent vulnerabilty estimation. For details see Map 1 and refer to chapter 3.3.

Legend

- water

Vulnerabilty Estimation
[people's vulnerability hazard independent]

- very low
- very high