

EARTH OUTGASSING—DISASTER SOURCE OF A SERIES OF NATURAL HAZARDS

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Recently we have discovered following regularities in the study of natural hazards in China:

1.1998 catastrophic flood of Yangtze River was caused not only by meteorology, but also by geological processes. Yangtze River rift deep gas jet formed a great gas wall, which prevented the steam-riched clouds migrated from South and made it thicken and transformed to vertical vortex, resulting in torrential rain of south China and in regional long time drought and intense hot of North China.

2.1998 large-scaled forest firing in Inner Mongolia was originated from the seep of combustible gases, such as CH_4 、 H_2 、 CO 、etc. from low velocity zones in the middle crust and asthenosphere in upper mantle along the NW trend faults. The flame came from cracks and caves of basalts. We have anomalous satellite thermal infrared images of that districts at several days before the firing. Atmosphere temperature increased by 17°C .

We think the forest firing genesis in Indonesia、Siberia、North America may be similar to that in Inner Mongolia.

3. The earthquakes are originated from rock fissuring by deep powerful gas jet under the regional stress.

We can at no far future diminish or prevent the natural hazards by deep fusion drilling (to 20-40km depth), expelling the inner gases of Earth, which are very useful energy and chemical materials.