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Terms- Man-made strata, Jinjin Strata, Jinji Unconformity and Jinjin Unconformity- on Anthropogenic deposits and Geopollution and Geological Hazards by Human Activity for the Future Earth

Hisashi NIREI¹, Jonas Satkunas², Osamu KAZAOKA³, Maker Brian⁴, Kunio FURUNO⁵

¹ Japan Branch of IUGS GEM, 1277-1, Kamauchiya, Motoyahagi, Katori City, 287-0025 (nireihisashi@msn.com)

² Lithuania Geological Survey, Vilnius, Lithuania, (jonas.satkunas@lgt.lt)

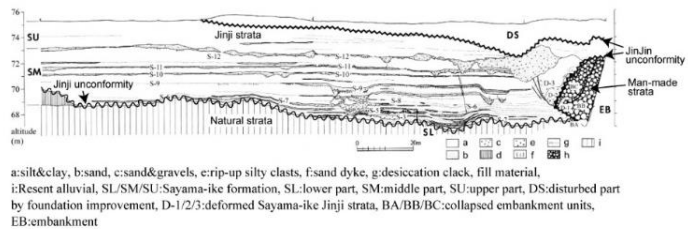
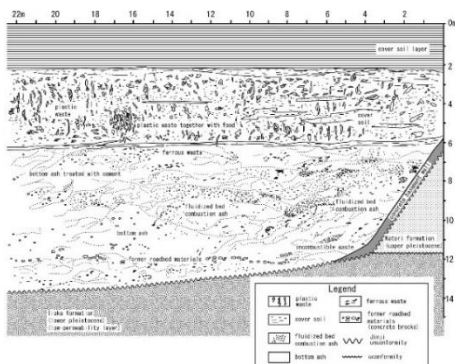
³ Research Institute of Environmental Geology, Chiba.3-5-1, Inagekaigan, Mihama-ku, Chiba City, 261-0005 Japan (o.kzok@mc.pref.chiba.jp)

⁴ IUGS GEM, General Secretary, London, U.K., (brian@amarker.freemove.co.uk)

⁵ Japan Branch of IUGS GEM, 1277-1, Kamauchiya, Motoyahagi, Katori City, 287-0025 (kuniofurunojp@gmail.com)

On the earth, Anthropogenic deposits are growing large at an accelerating rate. They provide a major place of human activities. The history of research on the deposits are short compared with that of research on natural strata. It has just started. Anthropogenic deposits are very often involved in geological hazards. It is true that this trend is accelerating on the earth. Particularly, the Jinji unconformity, which is the boundary discontinuity between natural strata and Anthropogenic deposits in coastal, hilly and mountainous areas, is the source of geological hazards. In addition, as human's science and technology advances, the synthesis and use of hazardous chemicals is accelerating. Some of them are spreading on the earth. War is one example of it. Geological pollution by these hazardous substances and those that have been dumped on the earth is growing at an accelerating rate.

For children of the future earth, we all, who live in the present time, have to seek to prevent geological hazards associated with Anthropogenic deposits.



Anthropogenic Deposits Source: from Yoshikawa et. al.(1997) revised by Nirei et. al.(2015)

Figure.1 : Cross-section of waste deisporsal deposits and underlying Jinji unconformity. Source:

from Nirei et al. (1996),revised by Nirei (Edgeworth et al. 2015)(left)

Figure 2 : Anthropogenic strata seen in a geological cross section of Sayama Pond, as revealed in the process of an archeological dig (Nirei et al.2015) (right).

Reference:

[1]Nirei Hisashi,et al. (2012) Episodes 35(3):33-36.

[2] Nirei Hisashi, et al. (2015) Episodes (in press).

[3]Edgeworth Matt, et al. (2015) Anthropocene Review: 1-26.

[4] Nirei Hisashi, et al. (2015) Proceeding of the Twenty-Fifth Sympo. of PMUG:49-51,Japan.

