

National Institute for Agro- Environmental Science, Tsukuba



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monolith at
he National
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Science,
sukuba



Soil Science lab., Tohoku University

Soil profiles showing the past Tsunami deposits

十和田a火山灰(AD915)の下に貞観地震(AD869)の厚い津波堆積物が確認された。



Tsutsuki laboratory before retirement at Obihiro University of Agriculture and Veterinary Medicine



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Tsutsuki laboratory before retirement at Obihiro University of Agriculture and Veterinary Medicine



別科圃場（左2つ）と精密圃場（右）

I sutsuki laboratory before retirement at Obihiro University of Agriculture and Veterinary Medicine



Briefing on the specimens of soil profiles

- Specimens hung on the wall of corridor were made by lack film method from the soils in Obihiro University of Agriculture and Veterinary Medicine.
- These 1 m thick soil layers have been accumulated in the past ca. 20,000 years.
- At the bottom of soil profiles, there is a gravel layer transported by the river flow.
- It is overlain by various volcanic ash layers and loess layers transported from continents.
- The top 30 – 40 cm part is the soil plowed for agriculture by human.

Briefing on the specimens of soil profiles (continued).

- There is a word, “Soil is living”.
- Soil is the source of all the lives including plants and animals. Even in a clod of soil, countless (billions) numbers of microbes are living.
- Soil itself was born from rocks and then developed to fertile soil breeding the lives.
- With time, with the change in climates, and if human treat it too harshly, it will die like a desert soil.
- Such cases can be seen in various places in the world.
- We should wish that it will not occur in our place.

House of Soil (Tsuchi no Yakata)



Giant soil monolith taken in Hayakita town, Hokkaido.
Four different volcanic ash layers from Mt. Tarumae are

House of Soil in Kami-furano town.



Mud flow after the eruption of Mt. Tokachi (1926)

House of Soil in Kami-furano town.



Explanation on agricultural engineering such as under drainage are given in detail.

World Soil Museum

(Wageningen, Holland)



World Soil Museum (Wageningen, Holland)

