

Yuba as a simulator for the dynamics in Earth and planetary interior

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Yuba was brought by Zen priest from China and now becomes a traditional Japanese food material and common in house-made cooking. Yuba is formed by heating soymilk, because protein contained in soybean is solidified. We have focused on the formation process of solid Yuba layer on the liquid soymilk, which exhibits interesting analogy to the dynamics working in Earth & planetary interior. In this presentation we report several topics on this subject;

- 1) Yuba as a simulator of plate tectonics
- 2) Yuba as a simulator for the cooling process of the magma ocean
- 3) Yuba as a simulator for the surface geomorphology on the icy satellites