

**Session 2 by Initiative2**  
**Learning from the Dynamics of Geosphere and Biosphere**

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For the seeking of sustainable humanosphere in Asia and Africa, creating a new paradigm for relationship between nature and human is urgently needed as we have discussed since 2008 by using a concept of “Nature-Inspired Technologies and Institutions”. In the process of discussion, it has been found that 1) nature and human have mutually influences and contentiously change each other, not having a one-way impact, 2) technology and institutions were developed by the mutual forces of change in the local nature and society, and 3) new paradigm should be based on those understanding of relationship between nature and human. We will, therefore, discuss the following points in this session from an integrated approach of natural science and area studies.

1. Spatial and temporal range of mutual forces of change both in nature and human activity.
2. Reassessment of local technology and institutions that mutual forces of change are embedded and geospheric and biospheric influences are considered.
3. Implication of mutual forces of change in local society for global changes.