



Session introduction

Antonello Bonfante (1), Anna Brook (2), Luca D'Auria (3), and Pietro Tizzani (4)

(1) ISAFOM, National Research Council of Italy (CNR), (2) University of Haifa, Geography and Environmental Studies (Israel), (3) INGV – Osservatorio Vesuviano (Italy), (4) IREA, National Research Council of Italy (CNR)

Environmental processes cover spatial and temporal scales of different orders of magnitude. Quantitative and qualitative models, covering different research fields, have provided important insights as to the interplay between processes acting in environmental systems at different scales, such as global geodynamics processes, volcanology, seismology, earth's critical zone, soil hydrology, landslide phenomena, etc. In this context, the proposed session will emphasize the multiscale nature of environmental issues, relevant for both natural and anthropic processes, and the need for knowledge sharing between different scientific communities. The session will be introduced by em.prof. Johan Bouma.