

Contribution of the SCJ as a National Academy to International Scientific Organizations

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Earth and planetary sciences cover a wide range of fields, from planets in the solar system, atmospheric and hydrospheric sciences, solid earth science, biogeochemistry, and environmental and global sustainability. When scientists from various countries and regions work together on the common research target of "the Earth", international collaboration is indispensable for global observation, future predictions, social implementation, and the development of human resources necessary for all of these activities.

The Science Council of Japan (SCJ) has dozens of subcommittees in the field of earth and planetary sciences, many of which serve as Japan's liaison to international academic organizations. SCJ is a member of 44 international scientific organizations, 12 of which are in the field of earth and planetary sciences. The community of the earth and planetary sciences has a particularly important task in strengthening international collaboration and human resource development.

International academic organizations play a variety of roles. For example, the role of the international academy is essential in coordinating the standardization of geographic information and mapping methods. Standardization is also required for developing various observational methods, Quality Control and Quality Assurance of the data, and global observation networks and databases to understand the Earth system. Scientific evidences compiled by international organizations are also essential for the establishment of international environmental regulations. Discussion in this presentation will include various roles of the international academic organizations and SCJ's contribution to the organizations as a national academy.

Keywords: SCJ, International Promotion, National Academy