

## Earth System Science Partnership (ESSP)

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The ESSP is a partnership for the integrated study of the Earth System, the ways that it is changing, and the implications for global and regional sustainability.

The urgency of the challenge is great: In the present era, global environmental changes are both accelerating and moving the earth system into a state with no analogue in previous history.

### ESSP Partners



ESSP Partners

The Earth System Science Partnership is a partnership of four international global environmental change research programs (DIVERSITAS, IHDP, IGBP, and WCRP) for the integrated study of the Earth System, the changes that are occurring to the system and the implications of these changes for global sustainability.

ESSP

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## Parent Programs of LOICZ

### International Geosphere-Biosphere Programme (IGBP)



The International Geosphere-Biosphere Programme (IGBP) is a research program that studies the phenomenon of Global Change.

VISION: The vision of IGBP is to provide scientific knowledge to improve the sustainability of the living Earth. IGBP studies the interactions between biological, chemical and physical processes and interactions with human systems and

collaborates with other programs to develop and impart the understanding necessary to respond to global change.

GOALS: IGBP research goals are to:

- Analyze the interactive physical, chemical and biological processes that define Earth System dynamics
- The changes that are occurring in these dynamics
- The role of human activities on these changes

IGBP

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### International Human Dimensions Programme on Global Environmental Change (IHDP)



The International Human Dimensions Programme on Global Environmental Change is an international, interdisciplinary science program dedicated to promoting, catalyzing and coordinating research on the human dimensions of global environmental change. IHDP takes a social science perspective on global change and it works at the interface between science and practice. IHDP is a joint program of the International Council for Science (ICSU), UNESCO's International Social Science Council (ISSC), and the

United Nations University (UNU).

IHDP