The **Helmholtz Association** contributes to solving major challenges facing society, science and industry with top scientific achievements in six research areas: Energy, Earth and Environment, Health, Key Technologies, Structure of Matter, Transport and Space. The Helmholtz Association is Germany's largest scientific organization.
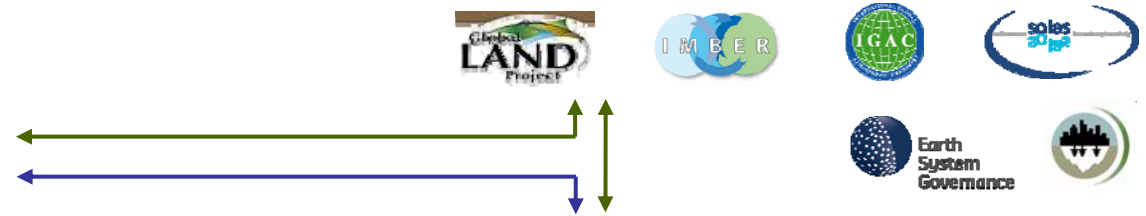
The Earth System Science Partnership **(ESSP)** is a joint partnership of four international Global Environmental Change research programs:

International Programme of Biodiversity Science (DIVERSITAS)

World Climate Research Programme (WCRP)

International Geosphere-Biosphere Programme (IGBP)

International Human Dimensions Programme on Global Environmental Change (IHDP)

LOICZ IPO Host: GKSS Research Center
located in Geesthacht, Germany, and one of sixteen Helmholz Research Centers.

LOICZ is a Core Project of
IGBP and **IHDP**

Core Projects
Each of the four programs has Core Projects. LOICZ collaborates with them on specific activities, e.g., with SOLAS and IGAC in the IGBP Fast Track Initiative (FTI) on Megacities.

LOICZ Regional Nodes
coordinate and promote global change research at the regional and local level and facilitate links and exchanges between international, national and local science and policy.

Regional Node South Asia

Chennai, India:
Institute for Ocean Management, Anna University

Regional Node East Asia

Yantai, China:
Yantai Institute of Coastal Research, Chinese Academy of Sciences

Regional Node Southeast Asia

Singapore:
National Institute of Education, Nanyang Technological University

Regional Node Europe/MENA/PALOP

opens in 2010

Faro, Portugal:
International Centre for Coastal Ecohydrology, University of Algarve

LOICZ-Affiliated Projects
LOICZ has a portfolio of affiliated projects and research. Affiliated projects contribute significantly to the LOICZ synthesis and the up and down-scaling of results. They are coordinated by corresponding members and are associated to at least one of the Scientific Themes and/or Priority Topics.

graphic by J. Weichselgartner