



LOICZ CURRICULUM VITAE

Hartwig Kremer is Chief Executive Officer of the Land-Ocean Interactions in the Coastal Zone, LOICZ, core-project of the International Geosphere Biosphere Program, IGBP, and the International Human Dimensions Programme on Global Environmental Change, IHDP. LOICZ thus contributes to the Earth System Science Partnership, ESSP, comprising also DIVERSITAS and World Climate Research Programme, WCRP. Since 2006 he is based at the GKSS Research Centre Geesthacht GmbH (Member of the German Helmholtz Association of National Research Centres), Institute for Coastal Research, to where he moved after spending 8 years at the Royal Netherlands Institute for Sea Research, NIOZ, on Texel.

His background covers biological and physical oceanography, fisheries, and trace metal analysis. His Master and PhD Thesis (heavy metal toxicology in marine mammals) were awarded research prizes from the European Cetacean Society and the national scientific commission for ICES (DWK) respectively. Kremer holds a second degree as senior public advisor for fisheries economy received from the former Ministry for Food, Agriculture, Fisheries and Forestry providing him with a solid background in public administration and legal affairs. He engages in science dissemination and capacity building, was staff of the WWF Wadden Sea office and was responsible launching manager of a vocational training program for Integrated Coastal Zone Management and Food Security for public institutions worldwide.

He co-edited and published the first global LOICZ synthesis in 2005 "Coastal Fluxes in the Anthropocene" (Springer) and was responsible for the transition of this biogeochemical oriented research network into a fully interdisciplinary project. He co-authored and published the new Science Plan and Implementation Strategy of LOICZ, which today is the only global research cluster mandated to mainstream and synthesize Earth system change research in coastal zones taking a holistic natural and social science perspective.

Scientifically he focuses on the interplay of coasts and river catchments as changing socio ecological systems and the complex interaction between nature and human society. The coastal focus here includes land processes, atmospheric exchange and the oceans. He has developed a new research direction in LOICZ that looks into institutional dimensions such as governance and the science policy interface on various scales. He collaborates with UNESCO, UNEP the EU and intergovernmental Global Change Networks in Asia, Latin America and Africa. He has close ties with numerous research institutions and ESSP partners worldwide, and works with IASC and AMAP on a comprehensive assessment of the socio environmental state and futures of Arctic Coasts. He teaches at the University of Hamburg, Kiel, Cadiz (Erasmus Mundus) and is member of



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the board of editors of the Springer Journal "Regional Environmental Change". He engages as editor and author in Major Reference Works on estuaries and coasts with ELSEVIER, is advisory to the EU, and coordinates LOICZ input in GEF supported UNEP projects looking into transboundary and international waters issues as well as in global assessments. Hartwig Kremer has a track history as author and teacher in popular science and education and has published books on small cetaceans in German waters as well as exhibitions on marine mammals for various target groups. He lives with his family near Hamburg in the Sachsenwald and has two children.

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