

## Fellows

Apart from the founding institutions, [Kiel Institute for the World Economy](#) and [GEOMAR | Helmholtz Centre for Ocean Research Kiel](#), the following persons and research institutions support KEI and its ideas in its entirety.

### Dr. Rainer Froese



Fisheries Biologist at the GEOMAR | Helmholtz Centre for Ocean Research Kiel, Coordinator of [FishBase](#)

Current areas of research:

- Fisheries management
- Population dynamics and life history of fishes
- Biodiversity patterns

### Prof. Gernot Klepper



Program Coordinator of the research areas “The Environment and Natural Resources“ as well as „Poverty Reduction, Equity and Development” at the Kiel Institute for the World Economy, Chair of the German National Committee on Global Change Research

Current areas of research:

- Climate change and climate Policy
- Environmental policy instruments
- Sustainable development
- Interdisciplinary research

- Renewables
- Global environmental problems

## **Prof. Arne Körtzinger**



Professor for Marine Chemistry at the GEOMAR | Helmholtz Centre for Ocean Research Kiel

Current areas of research:

- Marine carbon cycle
- Oxygen as biogeochemical switch and sensitive indicator of global change in the ocean
- Long-term ocean observatory at the Cape Verde Islands
- Autonomous ocean observation
- Method development

## **Prof. Mojib Latif**



Leader of the Research Division “Ocean Circulation and Climate Dynamics” at the GEOMAR | Helmholtz Centre for Ocean Research Kiel

Current areas of research:

- Seasonal to interannual variability
- Decadal to Centennial variability
- Anthropogenic climate change
- Model development and Intercomparison

## **Daiju Narita, Ph.D.**



Researcher at the Kiel Institute for the World Economy

Current areas of research:

- Economic analysis of climate change
- Integrated assessment modeling
- Economic assessment of ocean systems
- Climate change and development

## **Prof. Dr. Andreas Oschlies**



Professor of Marine Biogeochemical Modelling at the GEOMAR | Helmholtz Centre for Ocean Research Kiel

Current areas of research:

- Physical, biogeochemical, and ecological constraints on the oceanic carbon uptake and its climate sensitivity.
- Development of mechanistic ecological and biogeochemical models.
- Mixing processes and their representation in numerical models.
- Data assimilation and parameter optimisation.

## **Dr. Sonja Peterson**



Scientific Director at the Kiel Institute for the World Economy

Current areas of research:

- International and European environment and climate policy
- Computable General Equilibrium (CGE) Modeling
- Innovation and technology transfer

## **Prof. Alexander Proelß**



Professor in Public Law at the University of Trier

Current areas of research:

- European Law
- International Law of the Sea
- Public International Law
- Constitutional Law

## **Prof. Katrin Rehdanz**



Professor of Environmental and Resource Economics, Christian-Albrechts University Kiel, Department of Economics/Kiel Institute for the World Economy

Current areas of research:

- Environmental valuation and policy
- Energy economics
- Applied CGE-Modelling
- Applied economic research

## **Prof. Martin Visbeck**



Chairman of the Research Unit “Physical Oceanography“ at the GEOMAR | Helmholtz Centre for Ocean Research Kiel, present Speaker of the Kiel Excellence Cluster “The Future Ocean”

Current areas of research:

- Climate Variability of the Tropical Atlantic
- Dynamics of oxygen minimum zones
- The ocean’s role in interannual to centennial climate variability
- Variability of regional ocean circulation
- The North Atlantic Oscillation and its impact on the ocean

## **Prof. Douglas Wallace**



Professor of Chemical Oceanography at Dalhousie University, Canada

Current areas of research:

- Chemical tracers
- Carboncycles in the ocean
- Long-term observations in the tropical ocean
- Production and flows of halogenated compounds between the ocean and
- the atmosphere

## **Prof. Klaus Wallmann**



Head of the Research Unit "Marine Geosystems" at the GEOMAR | Helmholtz Centre for Ocean Research

Kiel

Current areas of research:

- Biogeochemical processes in marine sediments
- Global carbon cycle on geological time scales
- Methan hydrates in the seafloor
- CO<sub>2</sub> storage in deep-sea sediments