KlimaCampus Hamburg
Center for Climate Research in Hamburg
Climate Research in Hamburg

Integrated Climate System Analysis and Prediction
Cluster of Excellence, 2007

Meteorology,
Oceanography,
Geophysics,

... Sociology,
Economy,
Peace Research,
Journalism,

Max-Planck-Institut
für Meteorologie

Inst. for Coastal Research
Climate Research in Hamburg

Meteorology, Oceanography, Geophysics, ...
Sociology, Economy, Peace Research, Journalism, ...

Inst. for Coastal Research
Infrastructure for Climate Research

• Research Platforms
• What is the past and present state of climate?

Climate system data base,

Regional anomalies of sea-level change 1993 - 2001
• What are the predictable elements of climate?
Research at KlimaCampus Hamburg

Temperature and Velocity at 75m depth
MPI-OM TP6M

(C) DKRZ / MPI-M / KlimaCampus
What are the key feedbacks within the climate system and between humans and the climate?
Research at KlimaCampus Hamburg

• What are the regional impacts of global climate change?

Dynamical Downscaling
Regional modeling / impact
Local impact

Climate Change Assessment Report for the Metropolitan Region Hamburg
Graduate Education at the KlimaCampus

SICSS
School of Integrated Climate System Sciences

MSc program
Integrated Climate System Sciences
2 years

Doctoral program
Integrated Climate System Sciences
3 years

IMPRS-ESM
International Max Planck Research School on Earth System Modelling

Doctoral program
Earth System Modelling
3 years
Dialog and Discourse with the Public

- sharing the fascination of climate science
- stake holder discourse
• **Global Warming** during the last decades is very likely caused by humans will very likely continue and accelerate, if greenhouse gas emissions continue to increase.
Historic Roots of Climate Research in Hamburg

Georg von Neumayer

Seewarte Hamburg
(Naval Observatory)

Wladimir Köppen