Course: Earth System Modelling and Management (ESMM)

Lecturers: Kr: Kropp, St: Sterzel, Co: Costa, Gr: Grothmann, Hu: Hustedt

Target Groups: Natural, Environmental and Social Sciences

Requirements: BSc., also all PhD students of the PROGRESS research network

Week I

Day Theme Basic Foundations of Climate Sciences science deals with them sciences at the Policy/Science Impact Research in Practice Bertalanffy, Wiener, Feigenbaum, Luhmann: Can systems theory bridge the gaps between disciplines (Kr) The UNFCCC Approach for International Climate global change research: a social environment interactions systems: How they work and main features (St) The climate crisis and the scenario approach of the IPCC (Kr) The role of natural sciences in global change research: a natural science view (Kr) Integrated Assessment (Kr) systems I (Co) Burden sharing & Climate Change as a policy problem in national contexts (fimate, social and risk management sciences (Gr) systems II (Co) How climate modelling works (model concepts, projections vs. transitions: needs and barriers (Co) decision making (Kr) (Mitigation: where we stand? (Gr) second (all) 14:30-16:00h ct forecasts, uncertainties) (Kr) Time for discussions time for discussions time for discussions		Week I	••		W. I		
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