Module name	**Resource Economics and Environmental Policy**
Module number	CMS-TRK-REEP
Senior Lecturer	Prof. Dr. Dominik MöSt dominik.moest@tu-dresden.de
Qualification objectives	Students know and master the theory of exhaustible resources. They are able to answer questions about market and price structures in commodity markets and to apply and critically reflect optimisation methods in the energy sector.
Contents	The module covers the fundamentals of resource economics and environmental policy, current and applied theories and models of disciplines, such as the Hotelling Rule, and the fundamentals of environmental tax instruments.
Forms of teaching and learning	The module includes lectures of 2 SWS, exercises of 2 SWS, projects of 2 SWS and self-study. The language of the lectures, exercises and projects will be English.
Eligibility for participation	The skills to be acquired in the modules CMS-TRK-EPM Electric Power Markets, CMS-COR-HPC High-Performance Computing and CMS-COR-ML Machine Learning are required.
Usability	In the Masters Course Computational Modeling and Simulation, the module is a compulsory module in Track Computational Modeling in Energy Economics. The module provides the pre-requisites for the modules it designates under the pre-requisites for participation.
Conditions for the award of credits	Credits are awarded when the module test is passed. The module test consists of a 90-minute away day and a 150-hour homework. Both audit services are relevant to success. The language of the test will be English.
Credits and marks	The module allows for the award of 10 credit points. The module score is the weighted average of the scores for each audit work. Time off work is given a double weighting and housework is given a simple weighting.
Frequency of the module	The module is offered every summer semester.
Workload	The total workload is 300 hours.
Duration of the module	The module covers 1 semester.