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New perspectives of combined data sets for environmental information

For environmental information, it is of importance to link data from terrestrial measurements with remote sensing. Often vast terrestrial data sets exist as point data however for environmental studies area coverage is needed. In addition, often different data sets need to be fused or connected to produce new information layers. Today a suite of remote sensing data is available connecting through different scales and providing different data properties which is complementary for more adjusted information. This talk will describe new developments and provide examples how the combination of satellite remote sensing data linked to terrestrial data will enhance the information value. The examples will refer to information provision in the field of renewable energy but also include examples for biodiversity studies, biomass studies and information for landscape analyses.

Biography

Barbara Koch studied Forest Sciences from 1977 to 1982 at the Ludwig-Maximilians University in Munich. From 1982 to 1994, she worked as a Scientific Staff Member at the Institute of Land Use Planning and Nature Conservation at the Technical University of Munich (Ludwig-Maximilians University in Munich). Presently, she holds the Chair of Remote Sensing and Landscape Information Systems at the Albert-Ludwigs University of Freiburg. She has worked in numerous research projects on remote sensing and geo-modelling in the frame of forest and landscape analyses. At this time, she is Academic Dean of the Faculty of Environment and Natural Resources, Board Member of the Centre for Renewable Energy, Head of the working group on Education of the University Centre for Sustainability and Transformation and Vice-Chairwoman of the Senate commission.

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