



## **An infrastructure for measurement of the European carbon cycle (IMECC)**

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The IMECC project aims to build the infrastructure for a coordinated, calibrated, integrated accessible dataset for characterizing the function of the European terrestrial biosphere. Such an infrastructure is necessary since the critical measurements are spatially dispersed. Their interpretation, however, relies on precise knowledge of the spatial and temporal structures of measured quantities. Thus the measurements must be of the highest quality and precisely calibrated in order to be useful. They should also be well-planned, that is subject to some coordinated and targeted experimental design and should be accessible to a wide range of researchers. IMECC will deliver these services to the range of measurements within various European projects. As an added benefit, the improved measurements will also be increasingly compatible with the range of global measurements. IMECC will not only provide these services for the life of the project but will aid the development of strategies and techniques to streamline this coordination, into the future. In this talk we will describe the goals and overall activities of IMECC as well as outline the mechanism of transnational access by which the measurement capacities of IMECC laboratories can be made available to the wider scientific community.