

Using the Integrated Administration and Control System's plot-level data: A scoping review (pilot analysis)

Heidi Leonhardt

In recent years, data from the EU's Integrated Accounting and Control System (IACS; German: InVeKoS) containing farmed plots' location and cultivation have become increasingly available for research purposes. While researchers from a broad range of disciplines now rely on this data for their work, there is no complete and structured overview of use cases. To address this gap, we plan to conduct a systematic scoping review for identifying and analysing publications using plot-level IACS data from Austria, Czechia, France, Germany, and Sweden. To illustrate our intentions, we conduct a pilot analysis of 12 selected academic publications and present the results here. The pilot analysis demonstrates that IACS data serve to address a variety of research questions from disciplines including economics, ecology, and remote sensing. The analysed publications derive and apply 26 different indicators from IACS data to indicate landscape or farm configuration, composition, and management outcomes. We find a lack of a common terminology in the analysed papers and an apparent lack of data (access) harmonization between countries. Nevertheless, the results suggest that IACS plot-level data provide reliable, comprehensive and highly disaggregated information that facilitates scientific work.