

# QUANTITATIVE MODEL-BASED ANALYSIS OF THE SUSTAINABILITY IMPACTS OF AGRICULTURAL TRADE

The aim of this WP is to measure the links between trade, trade policies and sustainability at global level via elaborating a new and robust sustainability toolbox integrating PE, GE and SDGs indicators. Based on this toolbox quantitative analyses will allow to understand the social, environmental and economic impact of current and new policy measures at aggregate and household level, detailed by socio-economic groups. WP3 will improve the capacity of different existing models through linkages, the integration and combination of sustainability indicators across individual models. This toolbox will provide context-specific analysis of selected agrifood value chains from the origin of raw material to the final consumption of processed products. Combining PE-models with a detailed coverage of agrifood products with GE-models allows to link developments on factor markets, e.g. changing qualification level of labour and increasing labour costs with changes in competitiveness in international agrifood trade. WP3 will set the modelling basis for comprehensive sustainability assessment of trade policies as well as for development of new policies necessary to achieve the SDGs in line of indicators related to e.g. food security, sustainable food production and consumption, clean and affordable energy, biodiversity, etc. This WP will serve as a link between WP2 with the context-specific evidence on the impact of trade agreements and the contextual analysis in WP4.

**LEADER:**



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