Name of the project	**Farm Adaptive Dynamic Optimisation (FADO)**
Overall objectives	• Contribution to NWP activities related to "Methods and tools", "Adaptation practices and planning" • Promote development and dissemination of methodologies and tools for climate change impact assessment and adaptation planning
Project purpose	• Develop and test an approach of dynamic farm optimisation in support of adaptation to climate variability and change including modern tools for data processing and telecommunication • Strengthen the capacity of national agrometeorological services and extension services in the field of climate change adaptation
Activities	3 phases approach: A) Methodology development: • identification of target institutions and partners depending on the country/ies • inventory of existing data sets and existing decision support tools in the region • development of operational tools and methods, incl. software and communication tools B) Pilot phase: • implementation of the developed tools and methods • training of relevant staff in the country/ies • development of communication mechanism to and from farm level C) Consolidation phase: • evaluation of current and future impact at farm level • evaluation of technological opportunities to expand the approach • establishment of a knowledge network on response farming • definition of requirements and possibilities for inclusion of response farming in the "Operational approaches for climate change adaptation in agriculture" framework
Expected results	• A comprehensive overview of the potential of response farming to increase the adaptive capacity of small-scale farmers through (1) improved advice on farm management, (2) combination of farm advice with non-structural measures such as crop insurance and (3) an array of options that can be implemented as a function of local farming practices • A fully developed and tested methodology for farm adaptive dynamic optimisation (FADO) in the context of climate change adaptation • A software for the implementation of FADO for decision support at village extension service level • Available data sets and operational data sources for practical implementation of the tool • Trained staff at agrometeorological and extension services • Established knowledge network on response farming
Indicators of Achievement	• Publication of the comprehensive FADO methodology • Operational implementation of FADO methodology in pilot areas • Number of trained staff in agrometeorological/ extension services