

Área Científica **Sistemas Agrários: Produção e Sustentabilidade**

Código COST Action FA1204 **Início** 2012/10/1 **Termo** 2016/09/30

Título Vegetable grafting to improve yield and fruit quality under biotic and abiotic stress conditions

Programa

Medida

COST - European Cooperation in the Field of Scientific and Technical Research

Instituição Líder

Investigador Responsável INIAV

Maria Elvira Semedo Pimentel Saraiva Ferreira

Orçamento Total 0,00€

Orçamento INIAV

Parceria

INIAV	Instituto Nacional de Investigação Agrária e Veterinária, I.P.	Nacional
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Equipa

Maria Elvira Semedo Pimentel Saraiva Ferreira

Maria da Graça Sequeira Palha Mendonça
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Resumo

Due to limited availability of arable land and the high market demand for vegetables around the world, cucurbits and solanaceous crops are frequently cultivated under unfavourable soil and environmental conditions. These include soilborne pathogens, salinity, thermal stress, drought, flooding, and contamination by persistent organic pollutants and heavy metals. Plants exposed to biotic and abiotic stress conditions exhibit various physiological and pathological disorders leading to stunted growth and severe fruit quality and yield loss. One way to avoid or reduce losses in production caused by adverse conditions in vegetables would be to graft them onto rootstocks capable of reducing the effect of external stresses on the shoot. This Action aims to stimulate cutting-edge multidisciplinary collaborative research towards identifying and understanding how rootstock-mediated traits can improve vegetable crop yield and quality under adverse conditions. The knowledge gained will be summarized in a book as a final output of this Action. Moreover, all data and information of this Action will be disseminate to the public through a dedicate web site.