

## FICHA DE PROJETO

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| Acrónimo:                                                              | CRKIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Designação do projeto (PT/EN):                                         | CRKIT - Indicadores de Resiliência Climática para Inovação Tecnológica na Agricultura - 2022.01729.PTDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Código do projeto:                                                     | 2022.01729.PTDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Objetivo principal:                                                    | CRKIT's goal is to feature novel insights beyond the state-of-the-art to support on-farm transformative changes in line with pledges for climate (SDG13) and terrestrial ecosystems (SDG15), while ensuring secure and resilient food (SDG2).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Entidade financiadora/Programa de financiamento:                       | FCT - Fundação para a Ciência e Tecnologia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Região de intervenção:                                                 | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Investimento Total Elegível:                                           | 227.693,60 €                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Custo total elegível (IPSantarém):                                     | 54.667,30 €                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Apoio financeiro da União Europeia:                                    | 100% Nacional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Apoio financeiro público nacional/regional:                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Taxas de financiamento:                                                | 100,00 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Entidade beneficiária:                                                 | Instituto Politécnico de Santarém                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Investigador Responsável:                                              | Maria Margarida C. Ferreira Correia de Oliveira                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Parceiros:                                                             | IDMEC - Instituto de Engenharia Mecânica (IST) (Promotor);<br>ICL – Imperial College London.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Equipa:                                                                | Maria do Céu Costa Godinho;<br>Raquel Alexandra Cardoso Costa Saraiva;<br>Artur Figueiredo Saraiva.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Data da aprovação:                                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Data de início:                                                        | 2023/03/01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Data da conclusão:                                                     | 2027/02/28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Domínio científico e subárea científica:                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Resumo (objetivos, atividades e resultados esperados) - em PT e/ou EN: | <p>CRKIT's overall objectives are five-fold:</p> <ol style="list-style-type: none"> <li>1. Identify transformative measures to accelerate climate action and resilience in agriculture by conducting a systematic assessment based on the downscaling of integrated assessment model (IAM) climate scenarios under different global warming levels and climate ambition (T2);</li> <li>2. Characterise the technological and economic performance of selected measures (obj.1) based on technical and financial parameters, and social inputs (T3);</li> <li>3. Evaluate the GHG mitigation potential of on-farm measures (obj.1) and its interactions with other local ecosystem services (including soil sustainability, biodiversity, water scarcity, and water pollution) (T4);</li> <li>4. Develop a multi-criteria tool that evaluates the multiple techno-socioeconomic and environmental criteria (objs. 2 &amp;3) of on-farm measures illustrated by a specific case</li> </ol> |

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|                                             | <p>study in Centre-Southern Portugal and identifies potential barriers to their implementation and means to overcome them (T5);</p> <p>5. Increase capacity for scientific support for implementation of measures to reduce GHG emissions and increase resilience in agriculture and share best practises to facilitate decision-making process of influential agricultural players and local policymakers at local and national levels (T6).</p> <p>By exploring both analytical and experimental frameworks, the CRIKIT</p> |
| Link para página do projeto (outros Links): |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Outras informações:                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |