

Cofinanciado por:



**Designação do projecto | AgriBotics - Remote Sensing and Machine Learning for Agriculture Robotics.**

**Código do projecto | UIDB/0048/2020 – ISR - AgriBotics**

**Entidade beneficiária | Instituto de Sistemas e Robótica**

**Data de Início | 01-01-2021**

**Data de conclusão | 31-12-2021**

**Apoio financeiro público nacional | FCT/MCTES através de fundos nacionais e integralmente financiado por UIDB/0048/2020 - 25.000€**

## **Síntese do Projecto:**

Agriculture plays a vital role in our lives and faces tremendous pressure to feed a growing world population from limited available resources. This pressure has been mitigated by a massive use of water, fertilizers and chemicals, but such approach has its own limitations and undesirable effects, making it clear the need for sustainable procedures while keeping increasing yields. Precision Agriculture (PA), a concept that can be understood as digital/intelligent or automated agriculture, encompasses the use of technology (including robotics and automation) in agricultural production, protection, monitoring, and management. The AgriBotics project aims to make a significant step in multi-robotic systems for PA by integrating remote sensing (using satellite and low-altitude UAVs), field robotic-machines, probabilistic machine learning and agriculture-science to develop novel monitoring systems for Vineyards/Maize fields. <https://sites.google.com/view/agribots>

**ISR-UC(Leader); INESC-TEC**

Link do Projecto: <https://isr.uc.pt/index.php/projects/current-projects?task=showprojects.show%28%29&idProject=245>



# AgriBotics