

**RADar para Detection and Avoidance em Veículos Aéreos Não Tripulados**

**RADAVANT**  
**E1.1**  
**PROGRESS REPORT – FIRST PERIOD (EN)**  
**RELATÓRIO DE PROGRESSO – PRIMEIRO PERÍODO (PT)**

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Editor:	Carlos Ribeiro (TWEVO)
Authors:	Carlos Ribeiro (TWEVO)
Internal reviewers:	Rafael Caldeirinha (IT)
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**SUMMARY (EN):**

This Deliverable reports on the actions held within the RADAVANT project, during the first year period.

**SUMÁRIO (PT):**

Este Entregável reporta sobre as ações executadas no Projeto RADAVANT, durante o primeiro período anual.

Keyword list: Management, Progress, RADAVANT

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## List of Acronyms

ANI	<i>Agência Nacional de Inovação</i>
IPR	Industrial Property Rights

## 1. Yearly Overview

During its first year (from 1/Sept/2018 to 31/Aug/2019), the RADAVANT project has been following the planned Activities, Tasks, as well as the respective Project Management methodology and processes. Minor unimportant delays have been reported and justified. The main objectives for the project's first year have been achieved and its outputs aligned with what was planned.

The technical-scientific description of the project's progress has already been detailed in two internal Technical-Scientific Consolidated Intermediary Reports (*Relatório Técnico-Científico Intercalar Consolidado*), delivered to the Funding Institution (*Agência Nacional de Inovação, ANI*).

At the end of this first year, the Consortium: (a) confirms its correct initial planning; (b) shows its ability to carry-out the necessary R&D within the project's Activities/Tasks, being able to make space for the intrinsic unknowns, problems and challenges that make part of such R&D work; and (c) demonstrates that it is jointly able to solve both R&D and operational problems that arose.

The Project Leader (TWEVO, Lda) has been able to follow all their assigned Management tasks. Namely:

- Ensure project management, following Agile Project Management;
- Continuously monitor the project in its overall technical-scientific progress;
- Supervise the production and dissemination of deliverables, technical and scientific documents;
- Ensure compliance with the project schedule and financial budget;
- Manage resources, problems and risks to optimize project efficiency (including forecasting issues in due time);
- Organize project meetings, retrospective analysis, sprint definition, project user stories, and backlog;
- Co-managed Industrial Property Rights (IPR);
- The creation of simple protocols for the internal communication, reporting of technical problems and measures taken to circumvent them.

## 2. Management Outcome

Several indicators should be shown, regarding Management:

Item:	Number of Outputs/Events:	Date:	Note:
Intermediary Technical-Scientific Consolidated Intermediary Report ( <i>Relatório Técnico-Científico Intercalar Consolidado</i> )	2	February 2019 July 2019	-
Project meetings held	> 20	Several, of different nature and duration	Full project meetings and specific workpackage meetings, involving the project members, following sprints and user stories
Deliverables completed	5	Several, of different nature, for the different Workpackages ( <i>Atividades</i> )	Involving several project staff members, following plans
Milestones completed	8	Several, of different nature, for the different Workpackages ( <i>Atividades</i> )	Involving several project staff members, following plans

## 3. R&D Outcome

Several indicators should be presented, regarding R&D production:

Item:	Number of Outputs/Events:	Date:
International Scientific Journal publications	1	Jun/2019
International Scientific Conference publications	2	Sep/2019 Nov/2019

#### 4. Relevant Issues – Problems and Solutions

The following problems and their solutions are hereby indicated:

Description of Problem:	Description of Solution:	Date:	Note:
The data of the project's onset was postponed, due to later date of approval	Adaption of dates by the Consortium; lag of 9 months in overall plan	Sep/2018	Operational. Solved.
Need for change in the planned design of the radar antenna, for the necessary gain, in T3.3	Analysis of alternatives. New R&D carried-out, with the resulting publication in international reference scientific journal. Prepare consequences in delays in following tasks.	Mar/2019	R&D T3.3. Solved.
Need for a new PhD staff member (antenna expert). Delayed contractual process	Acquisition and contract of a new PhD staff member (antenna expert). Prepare consequences in delays in following tasks. Plan possible acquisition/contract of a new MSc staff member	Mar/2019	Operational. Solved.
Need for clear roles on IPR, between project Copromotors	Write IPR Agreement between project Copromotors	Aug/2019	Operational. Ongoing.