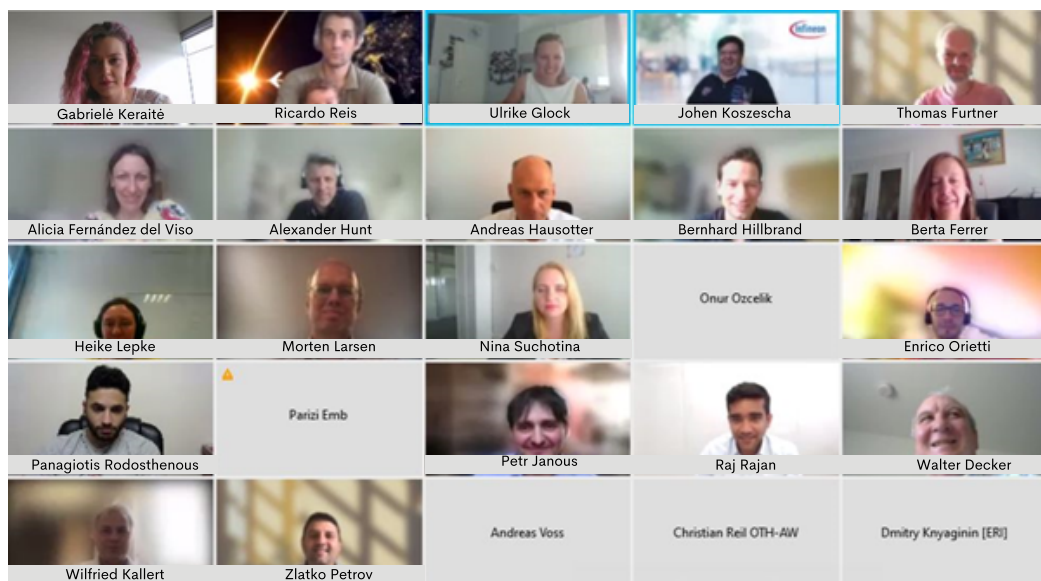


ADACORSA 1st project review

On the 15th of June, ADACORSA had its 1st Review. In an online meeting, Supply Chain and Work Package leaders presented to Reviewers the overall project status, achieved results, and gave a glimpse into near-future plans and activities. Despite all the challenges, project made notable progress, which was noted by the Reviewers.



Among important developments presented in the review, there were 2 public deliverables, that as of today are made available for all stakeholders.

Deliverable 1.1. Baseline reference report

This document provides a high-level understating of operational, market and technological context for the development of drone related technologies in ADACORSA project.

The document gives ADACORSA and ADACORSA supply chains vision of purpose, the scope, and limitations of the project (out-of-scope).

A detailed top-down description of the operational capabilities addressed by ADACORSA developments is described: SAFE and EFFICIENT BVLOS operations in U-SPACE.

A general market, technology, and regulatory state-of-art for the applications of forestry, smart construction, and logistics, as well for the specific technological themes for each supply chain was addressed. [Download report...](#)

Deliverable 1.2. Use cases and High-Level Requirements Reference

This document is intended to give an overview of use cases in different demonstrations and connections with High Level Requirements (HLR) baselines. Also, this document explains which demonstrations inputs come from different supply chains and feeds which SC's with demonstration output. [Download report...](#)



UPCOMING EVENTS

EF ECS 2021

ADACORSA is preparing for participation in EF ECS 2021 online event on 23-25 of November.

EF ECS is the international forum with a focus on 'Our Digital Future' for a green and competitive Europe along the Electronic Components and Systems value chain in Europe. And Our Digital Future is now!

All Supply Chains are encouraged to prepare short (2-3 min.) video or power-point presentation with a voiceover, depicting highlights and achievements of the project.

This project received funding from the ECSEL Joint Undertaking (JU) under grant agreement No 876019. The JU receives support from the European Union's Horizon 2020 research and innovation programme and national authorities



ADACORSA webinar

On 25th of March ADACORSA organized its first webinar „Aerospace regulations for Unmanned Aerial Systems“. Walter Decker from Infineon and Wilfried Kallert from Syrphus presented this interesting topic and managed the discussion.



European Drone Regulations (U-Space)

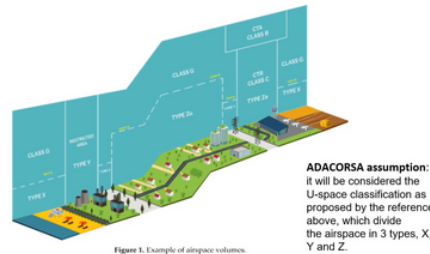


Figure 1. Example of airspace volumes.

February 2021 - Regulatory Alignment - ADACORSA

Upcoming paper presentation in conferences:

Research paper is expected to be presented at “2022 International Conference on Unmanned Aircraft Systems (ICUAS)” in Croatia on June 21-24th 2022.

ICUAS 22 aims to bring together different groups of qualified representatives worldwide, funding agencies, industry and academia, to discuss the current state of unmanned aviation advances, and the roadmap to their full utilization in civilian and public domains. Special emphasis will be given to research opportunities, and to what comes next in terms of the essential technologies that need to be utilized to advance the state of the art.

TECHNOLOGY NEWS:

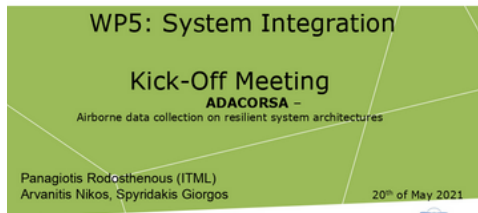
Changes in UAS regulations and standards:

- ED-286:** OSED for Counter-UAS in controlled airspace (March 2021)
- ED-280:** Guidelines for UAS safety analysis for the specific category (low and medium levels of robustness) (December 2020)
- ED-279:** Generic Functional Hazard Assessment (FHA) for UAS/RPAS (October 2020)
- ED-267:** OSED for Detect and Avoid in Very Low Level Operations (August 2020)
- ED-269:** Minimum Operational Performance Standard for UAS Geo-Fencing (June 2020)
- ED-270:** MOPS for UAS geocaging (June 2020)
- ED-266:** Guidance on Spectrum Access Use and Management for UAS (March 2020)

Work Package 5 Kick-off

The WP5 (System Integration) for the ADACORSA ECSEL project has kicked off.

ITML will lead the efforts for the coordination and monitoring of the activities, aiming at a good communication channel between the partners which will lead to the successful integration of the solutions.



Project Timeline

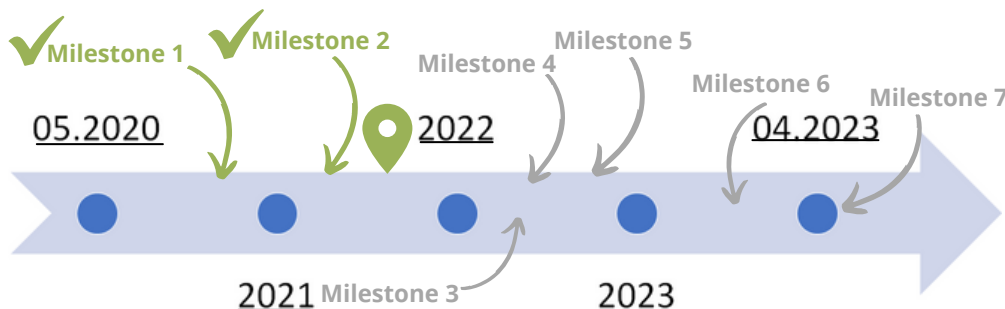
49 partners



12 countries



€42 mln.



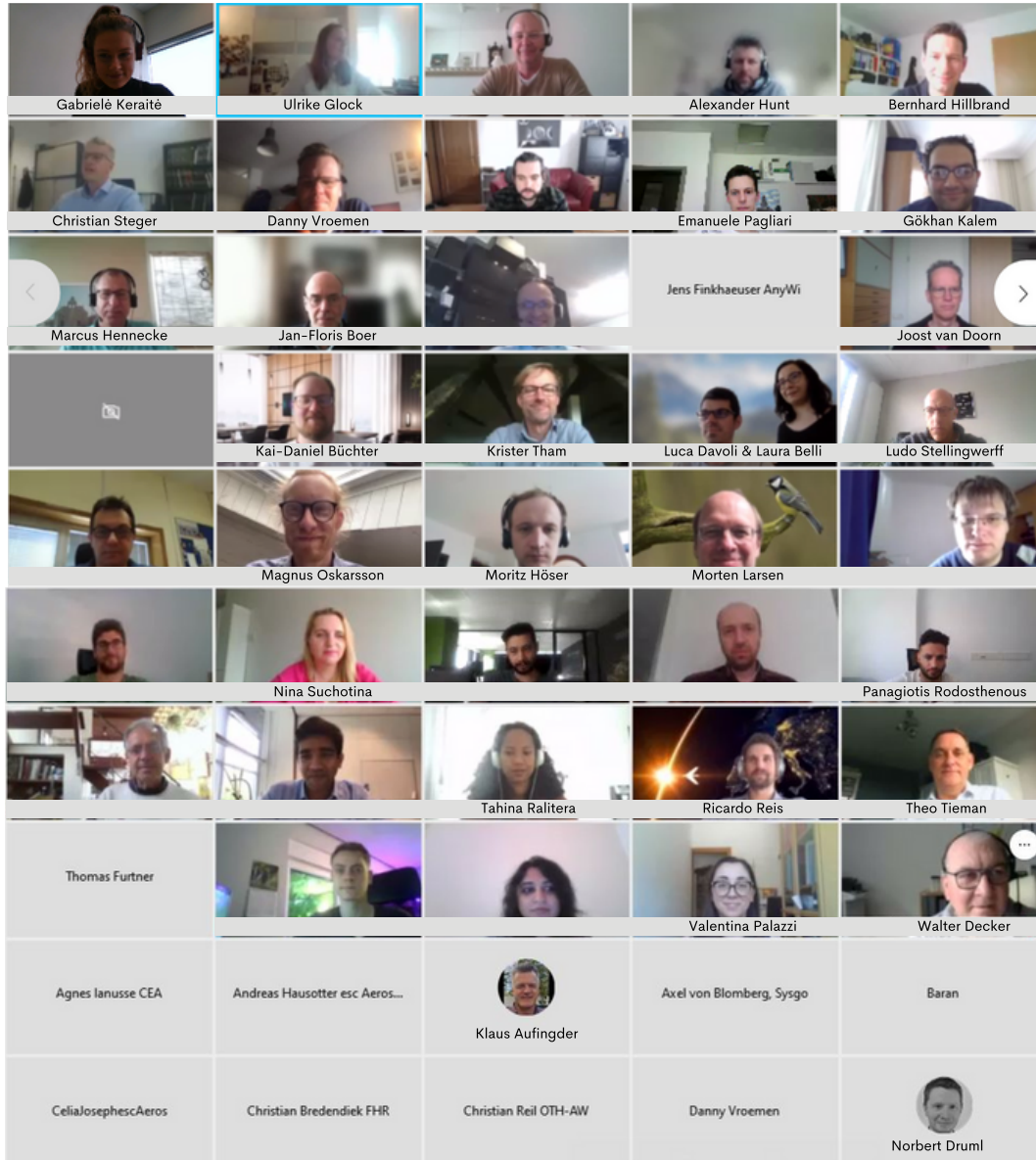
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1st Assembly meeting

On the 28th of May, ADACORSA had its first General Assembly meeting! It was great to see all consortium members gather in one (digital) room. Air mobility has a lot of potential and having such enthusiastic and knowledgeable team, we are bound to make good use of all opportunities.

During this conference call, consortium members shared their accomplishments for the 1st year and plans for the future. We hope to see everyone in person in our next assembly meeting!



CONSORTIUM UPDATES:

Completed deliverables:

The Task 2.1 of WP2 completed its **Deliverable D2.1 "System design for functionally redundant and fail-operational sensors for detection and avoidance"** in M15 (July). While showing the progress partners made during their work in Task 2.1, the content of the report focuses on the sensor system design, simulation and challenges in power delivery and functional safety in context of the ADACORSA project.

The Task 4.1 of WP4 completed its **Deliverable D4.1 "Report on embedded systems and computing for redundant and fail-operational sensors for detection and avoidance"** in M13 (May). While showing the progress partners made during their work in Task 4.1, the content of the report focuses on sensor data collection, sensor data generation, and the integrity of sensor data for machine learning applications.

Deliverables in progress:

Task T4.7 partners, working for the SC7 pilots in construction and forestry applications, have been working with the first deliverable in that task, **D4.12 "Report on embedded systems and computing for construction and forestry applications"**. The document summarizes the software architectures of the piloting concepts.

Stay tuned



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