

COORDINATOR



PARTNERS



DRONE DATA ANALYTICS LIBRARY

JOIN THE COMMUNITY



MODELS ON GITHUB



DATASETS ON ZENODO



ICAERUS.EU



GET IN TOUCH

info@icaerus.eu



Funded by the European Union

An open access repository of models and algorithms catering to diverse UAV based needs

icaerus.eu



Funded by the European Union

WHAT IS THE DDAL?

The Drone Data Analytics Library: an Open Access repository of drone models and algorithms

WHY DO WE NEED DDAL?



Analytical models of UAV are often published behind closed doors, or completely developed in-house. This limits their adoption, evaluation and potential for further optimization.

WHAT IS THE FOCUS OF THE DDAL?

There is a broad variety of models that can be found in the UAV domain. Which is why ICAERUS focuses on a wide array of analytics-implementation of UAV applications, including:

- 📍 Photogrammetry
- 📍 Statistical models
- 📍 UAV spraying simulations
- 📍 Machine learning/deep learning models
- 📍 Vegetation indice calculations
- 📍 Fleet management algorithms
- 📍 Datasets

WHERE DOES OUR DATA COME FROM?

The Library is being populated by the 5 ICAERUS use cases which cover significant drone application across Europe and include:

- 📍 Crop monitoring
- 📍 Drone Spraying
- 📍 Livestock Monitoring
- 📍 Forestry and Biodiversity Monitoring
- 📍 Rural Logistics

More is on the way from our PUSH Open Call which will include a total of 8 sub-projects with innovative drone based-ideas for addressing agricultural and rural challenges.



USE THE LIBRARY

- ✗ Explore the library and the various models and implementations
- ✗ Re-use datasets
- ✗ Adapt code implementations for different applications

CONTRIBUTE TO THE LIBRARY

- ✗ Share your data, models and algorithms
- ✗ Contribute to the growing knowledge pool

We Want You!

The Icaerus Platform

The DDAL is connected to the ICAERUS platform, providing a user-friendly interface for accessing models and datasets and algorithm analytics. It is also the information hub for all of the project results including the ICAERUS academy, drone market analysis, socio-economic and Environmental Impact Assessment Results, inclusiveness business and governance models and more information on the use cases and open calls.

