



## *III Workshop 2024 - EMBM-VD*

Identification of targets and control of drones

# CONTEXT:

- Development of softwares for identification of non-cooperative drones, with usage of computer vision techniques
- Development of softwares for tracking of multiple targets
- Control of drones in non-cooperative environments
- Development of Detect-And-Avoid systems

# GOALS OF THIS PRESENTATION

- Show the current status of the deliveries in the SIMUA project
- Show the evolution path of the computer vision usage



# SUMMARY

- Report Nb3
- General overview of the research
- YOLO
- Deep SORT
- Control of Drones





# Projects and Deliveries

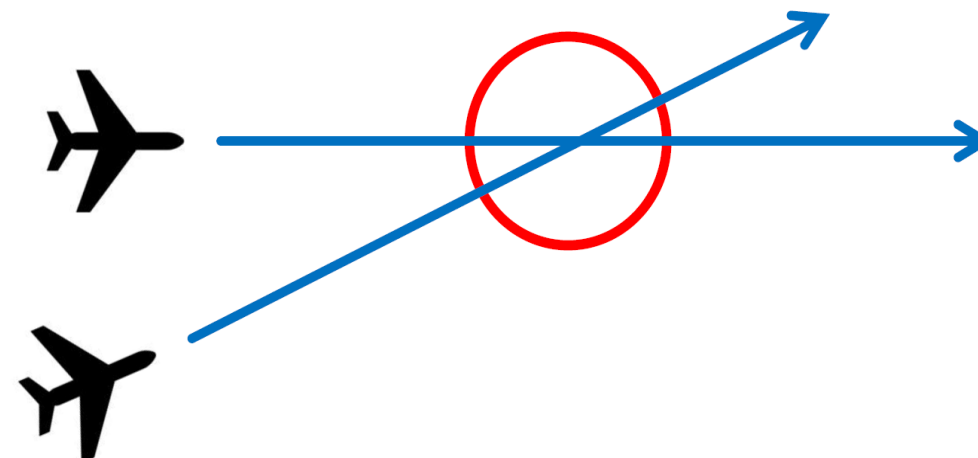
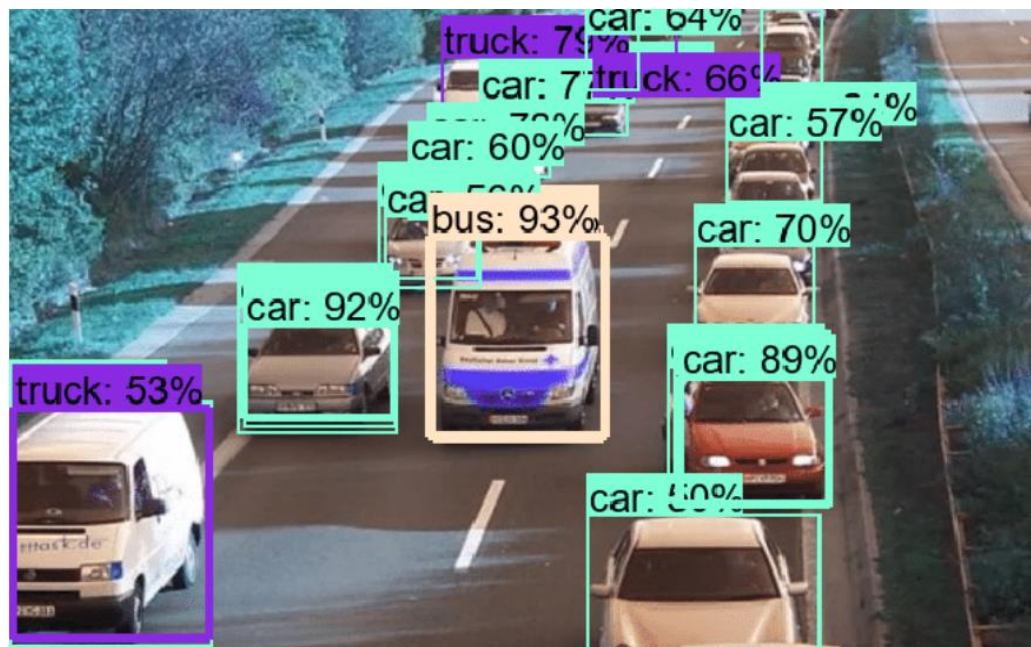
# Report Nb3

- Present a overview of the SIMJA project
- Show the state of the art technologies that is or will be in usage in UAS systems based in the four driven questions made in the SIMJA project
- Show the main challenges in the traffic management of unmanned aerial systems

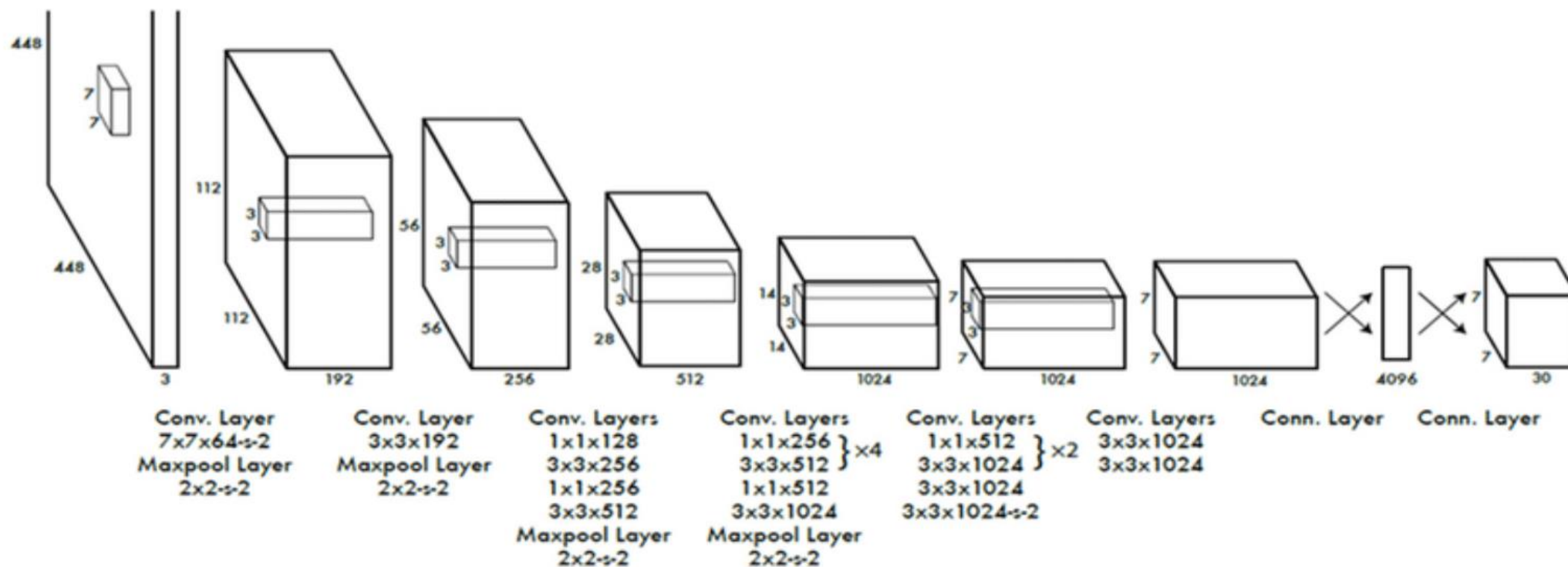


# General overview of the research

- Detection and identification of targets
- UAV control

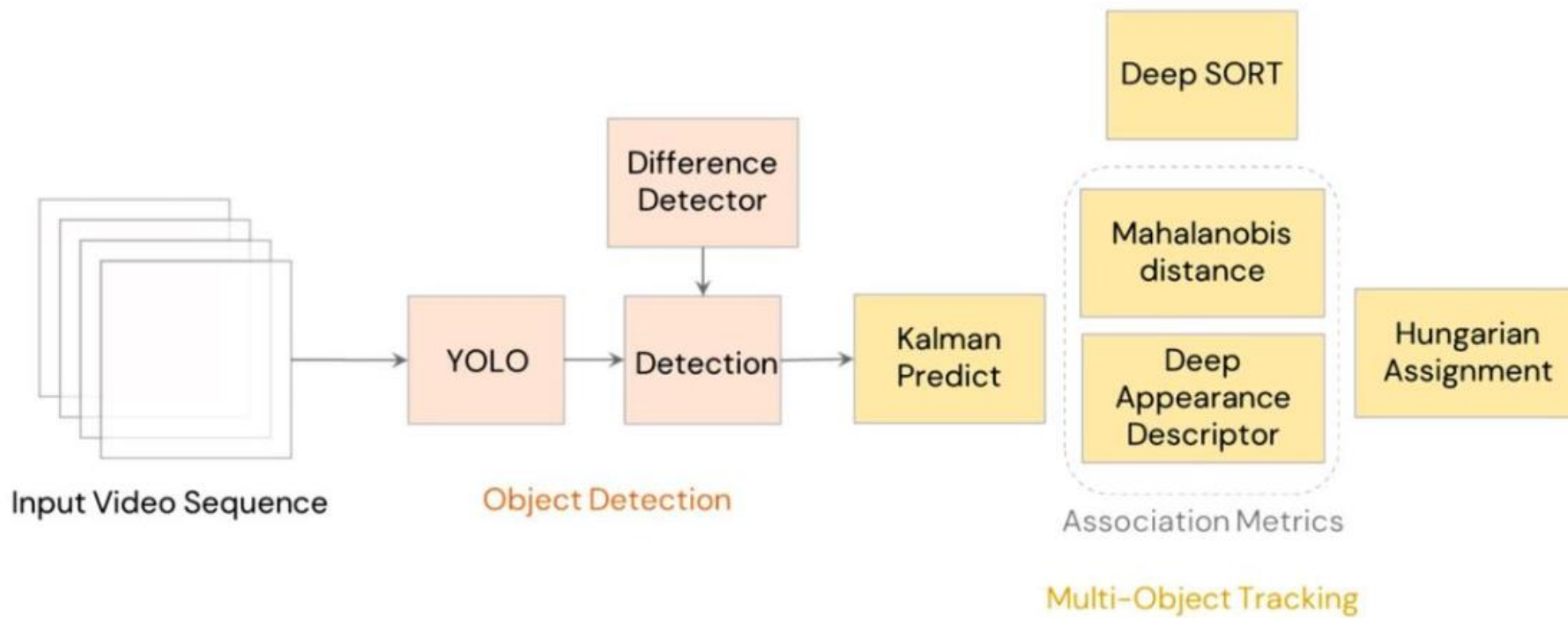


# YOLO



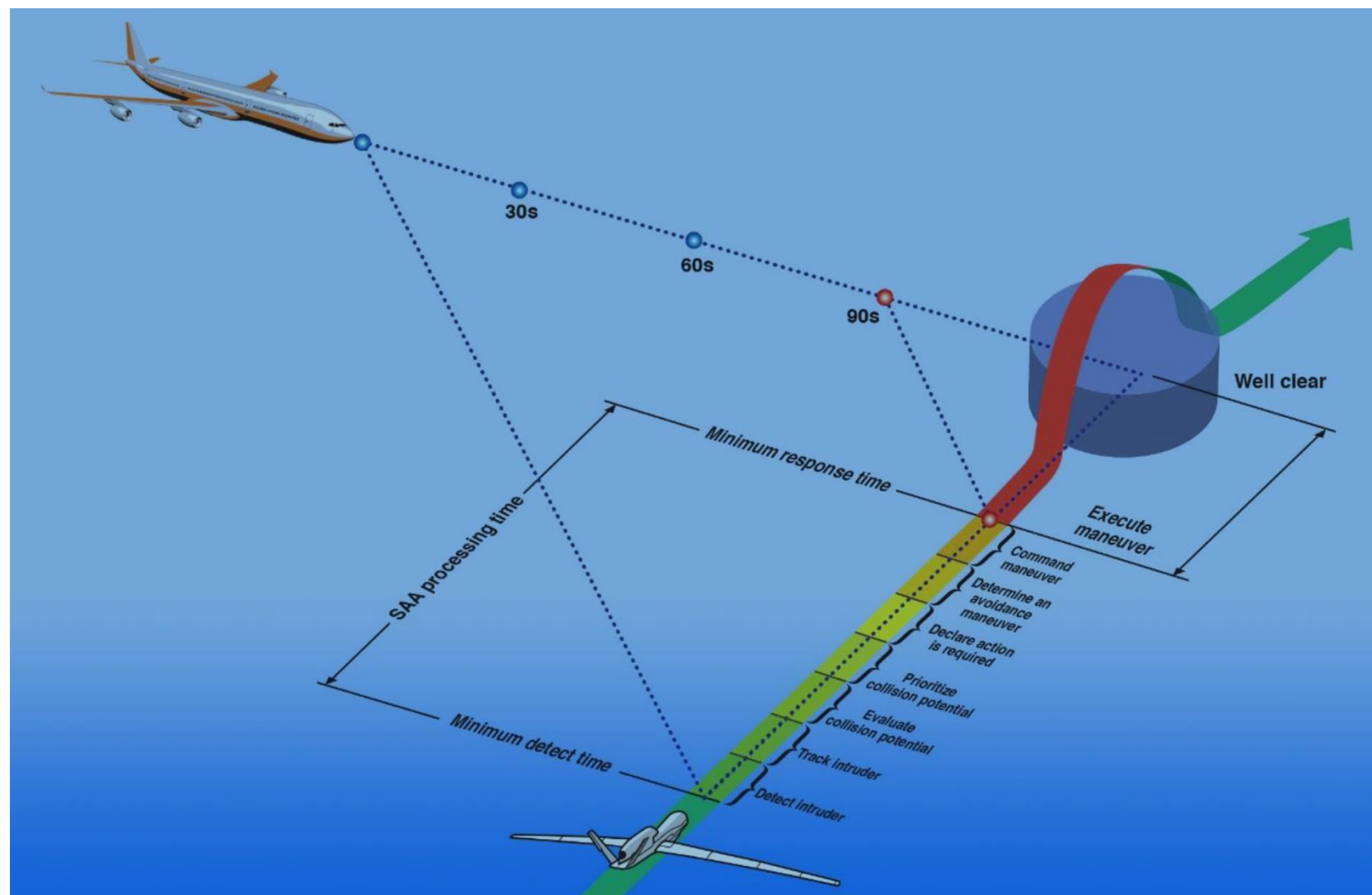


# Deep SORT





# Control of Drones







**Final considerations**



# Questions/Comments?!

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