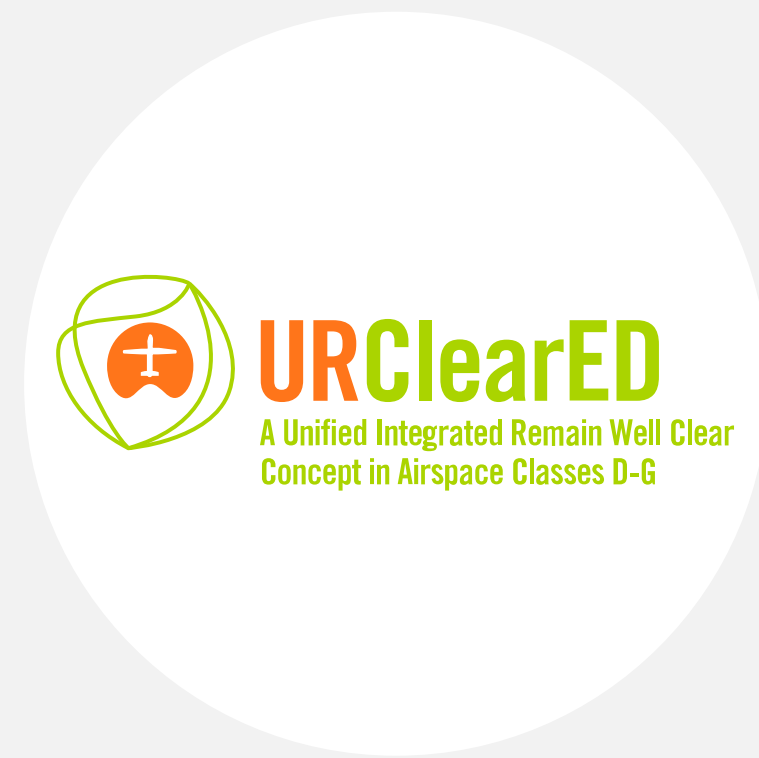


RPAS Projects Collaboration Panel

PRESENTATION TITLE



INVIRCAT



URCLEARED



SAFELAND



PJ 13 - W2 ERICA

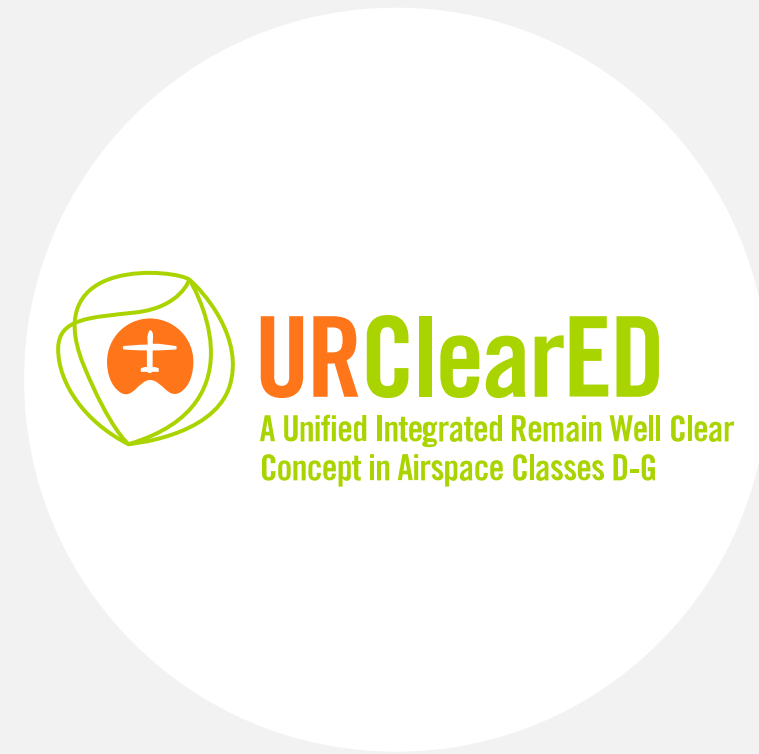


CORUS-XUAM

INTROUCING THE FIVE PROJECTS



INVIRCAT



URCLEARED



SAFELAND



PJ 13 - W2 ERICA



CORUS-XUAM

**Collaboration Panel and
part of the SESAR 2020 program**

With the aim to produce **operational concepts** to integrate UAS and more specifically **RPAS in the European airspace** by bridging the gap between traditional ATM and the novel U-space concept in order to achieve a **safe and efficient integration** of new (unmanned) airspace users.

PANEL'S VISION

And to **coordinate research activities**, generate **synergies**, and exchange and discuss their results, in order to build a **common concept** that supports rule makers, standardization bodies, and the industry in **decision making** and the generation of **harmonized standards**.

PANEL'S MISSION

We can explore our projects by looking at their specificities concerning

1. Airspace
2. Type of aircraft
3. Use case
4. Concept of Operations
5. Project Type and Level of Maturity

FOCUS ON THE FIVE PROJECTS

CLASS G - UNCONTROLLED AIRSPACE (FL 460)

SATELLITES FACILITATE COMMUNICATIONS



AEROPLANES

CLASS C - CONTROLLED AIRSPACE (FL 195)

DRONES COMMUNICATE WITH EACH OTHER



SAFE SEPARATION DISTANCE



CARGO DRONE



400 FEET (121.92 METRES) LIMIT FOR VLOS OPERATION - EXTRA CAPABILITY REQUIRED TO OPERATE ABOVE THIS

CLASS A - CONTROLLED AIRSPACE

(TMA)

DRONES COMMUNICATE VIA CELLULAR NETWORKS



EMERGENCY SERVICES DRONE



MEDICAL DELIVERY DRONE

PASSENGER DRONE



CLASS G - UNCONTROLLED AIRSPACE

NON-AIRPORT URBAN

RESTRICTED ZONE

AIRPORT

RUNWAY



CLASS G - UNCONTROLLED AIRSPACE (FL 460)

SATELLITES FACILITATE COMMUNICATIONS



AEROPLANES

CLASS C - CONTROLLED AIRSPACE (FL 195)

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400 FEET (121.92 METRES) LIMIT FOR VLOS OPERATION - EXTRA CAPABILITY REQUIRED TO OPERATE ABOVE THIS

CLASS A - CONTROLLED AIRSPACE

DRONES COMMUNICATE VIA CELLULAR NETWORKS



EMERGENCY SERVICES DRONE



MEDICAL DELIVERY DRONE

PASSENGER DRONE



CLASS G - UNCONTROLLED AIRSPACE

NON-AIRPORT URBAN

RESTRICTED ZONE

AIRPORT

RUNWAY

Project name:
INVIRCAT

Project Extended Acronym:
IFR RPAS Control in Airports and TMA

Project Duration:
01.07.2020 – 31.12.2022

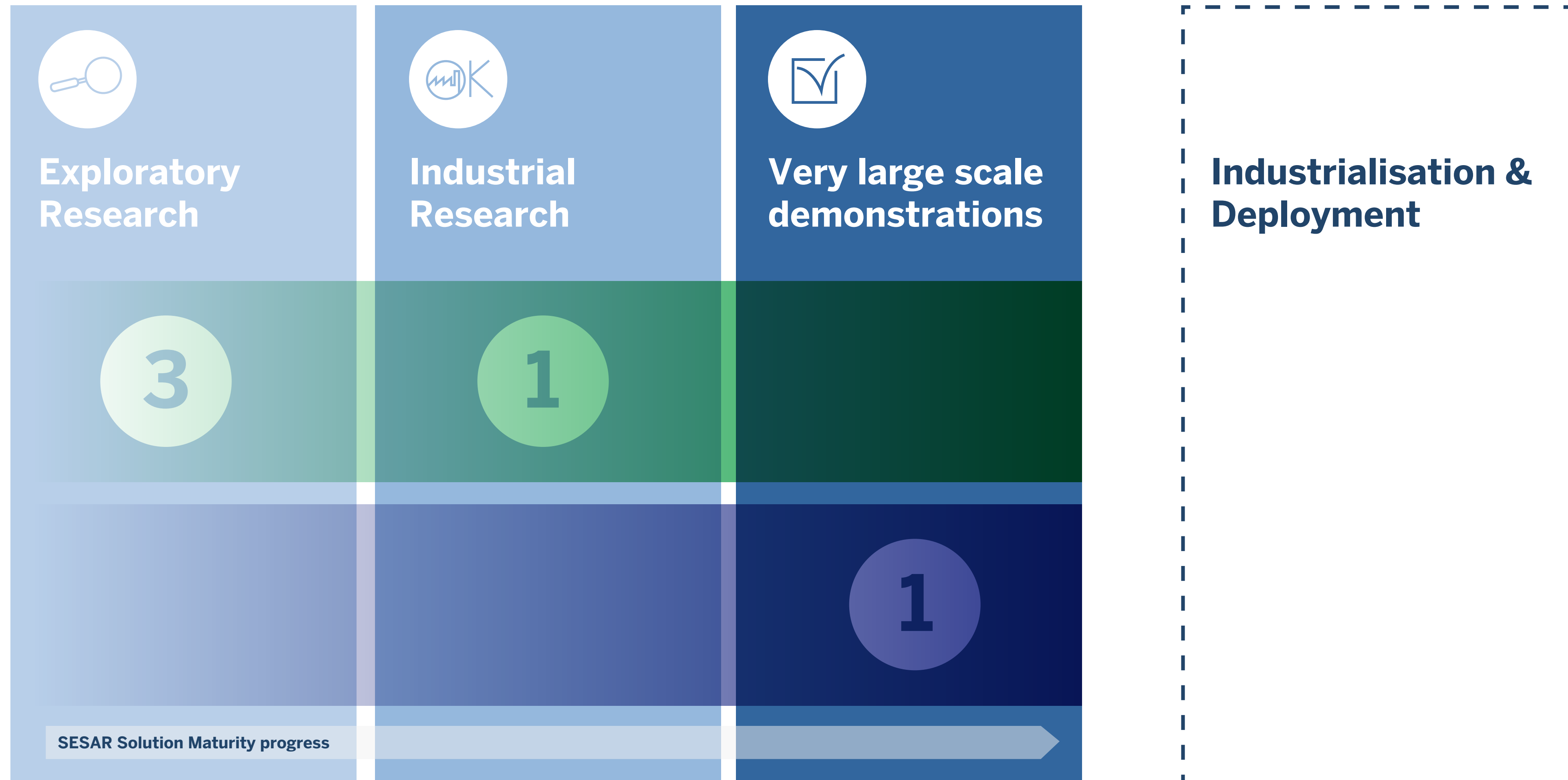
Airspace:
Terminal Manoeuvring Area of airports (TMA)

Type of aircraft:
xxxx

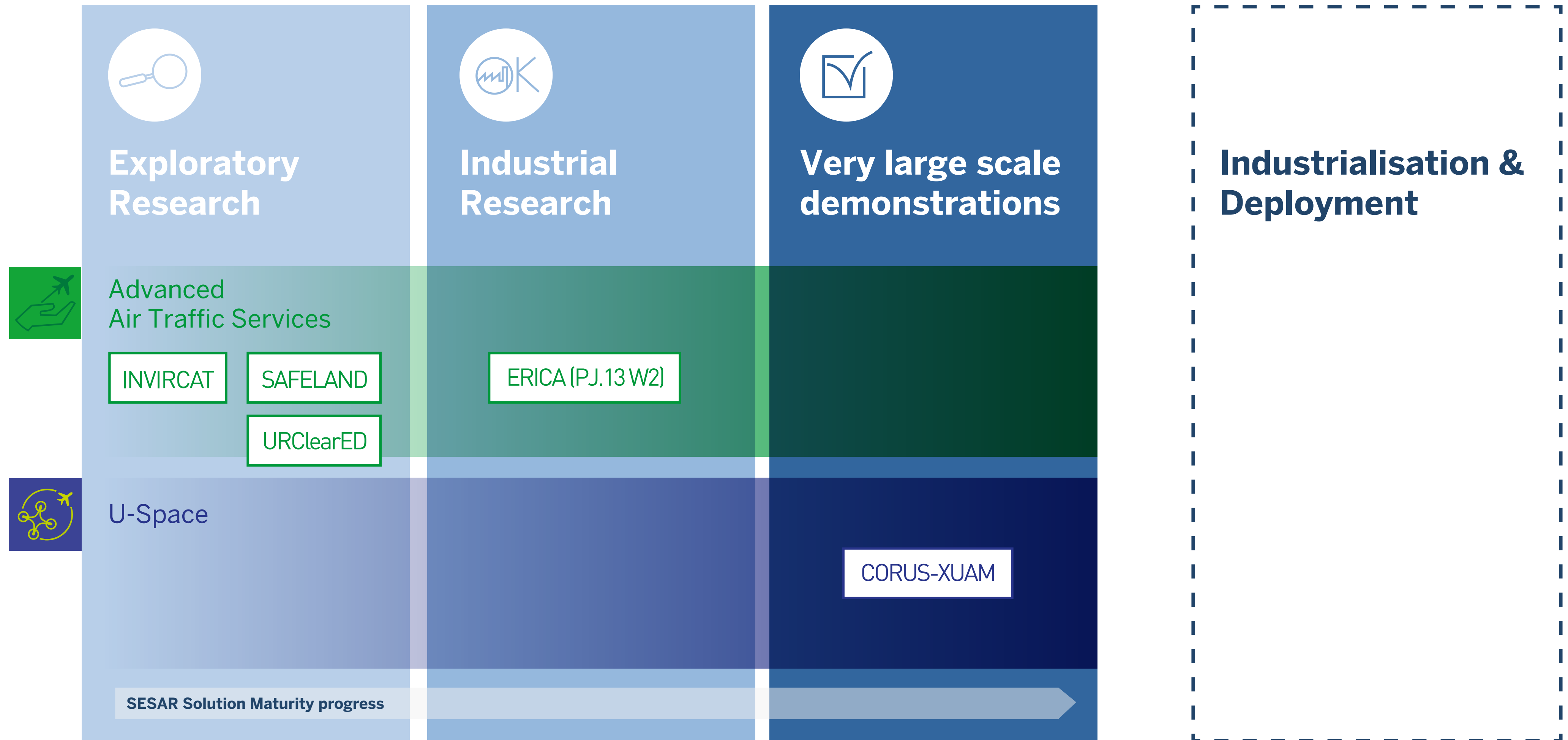
Use case:
Use of automatic take-off and landing systems in situations of communication and control latency.

Concept of operations:
Lorem ipsum

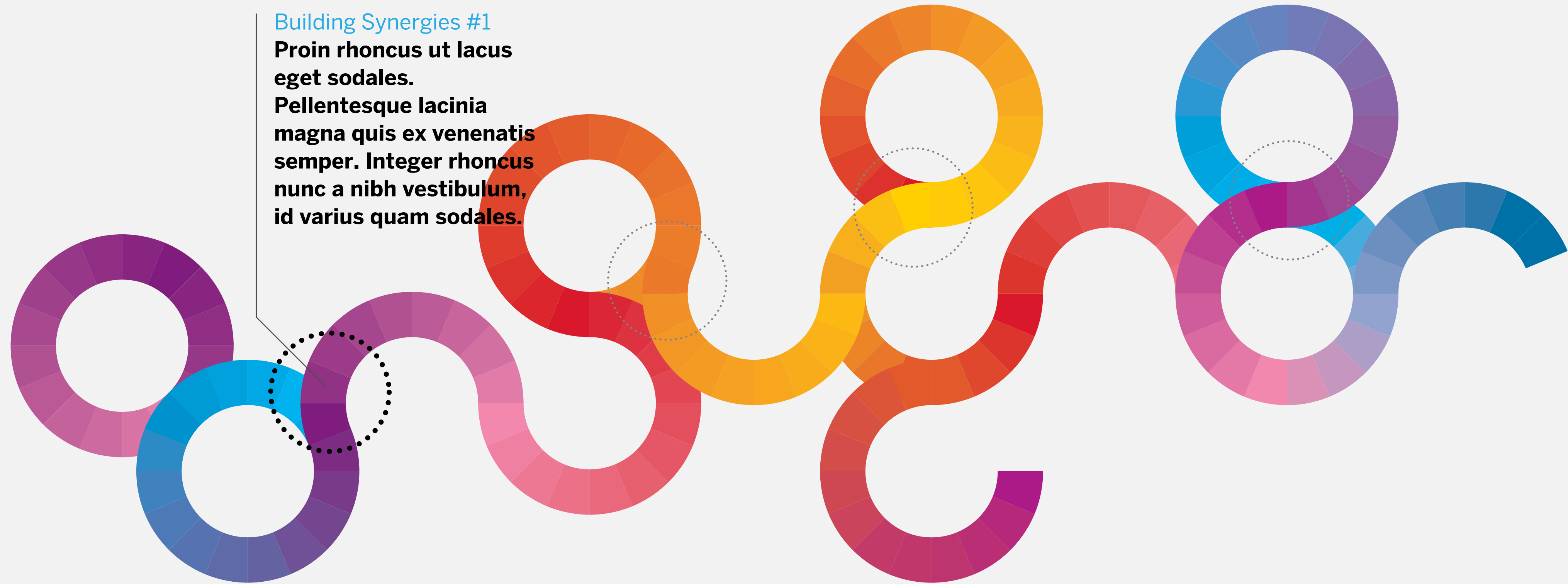




FOCUS ON THE DIFFERENT TYPE OF PROJECTS - LEVEL OF MATURITY



FOCUS ON THE DIFFERENT TYPE OF PROJECTS - LEVEL OF MATURITY



PANEL APPROACH

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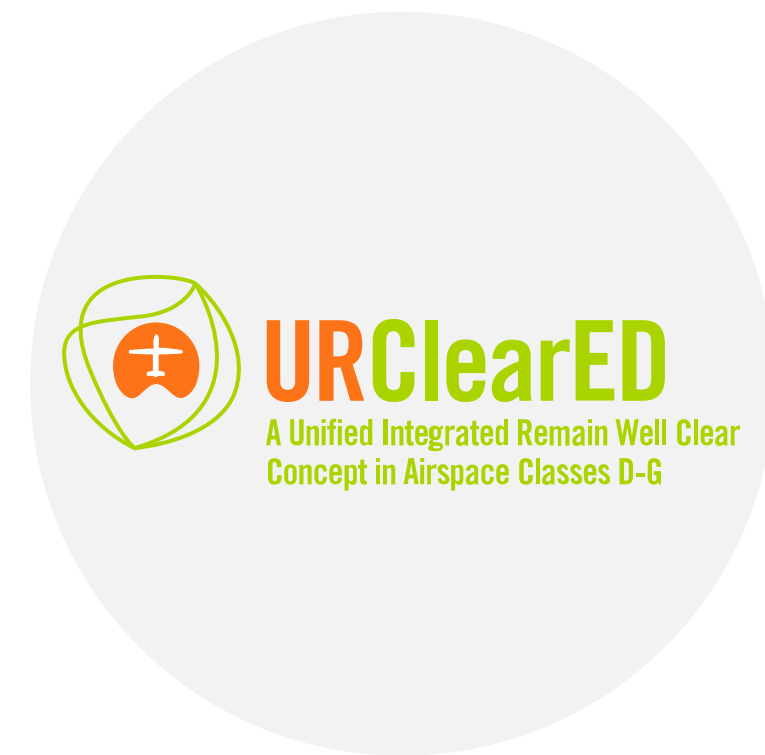
CONCLUSIONS AND NEXT STEPS



www.invircat.eu

PROJECT COORDINATOR:
Gunnar Schwoch (DLR)
gunnar.schwoch@dlr.de

COMMUNICATION MANAGER:
Paola Lanzi (DBL)
paola.lanzi@dblue.it



www.urcleared.eu

Project Coordinator
Edoardo Filippone (CIRA)
e.filippone@cira.it

Dissemination Manager
Damiano Taurino (DeepBlue)
damiano.taurino@dblue.it



safeland-project.eu

PROJECT COORDINATOR:
Gunnar Schwoch (DLR)
gunnar.schwoch@dlr.de

COMMUNICATION MANAGER:
Paola Lanzi (DBL)
paola.lanzi@dblue.it



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PROJECT COORDINATOR:
Gunnar Schwoch (DLR)
gunnar.schwoch@dlr.de

COMMUNICATION MANAGER:
Paola Lanzi (DBL)
paola.lanzi@dblue.it



corus-xuam.eu

PROJECT COORDINATOR:
Gunnar Schwoch (DLR)
gunnar.schwoch@dlr.de

COMMUNICATION MANAGER:
Paola Lanzi (DBL)
paola.lanzi@dblue.it

CONTACTS AND DISCLAIMER