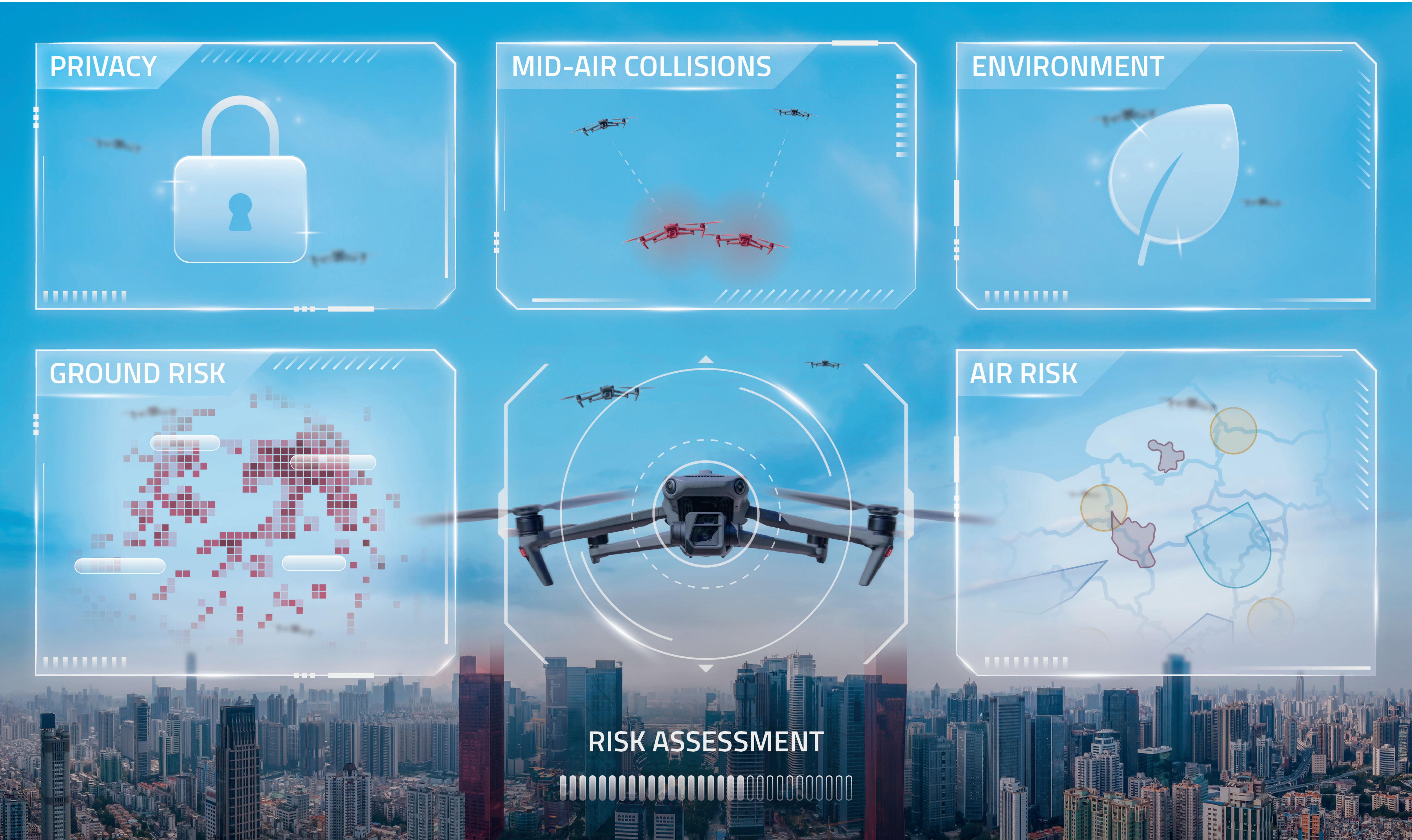




ABOUT

U-AGREE aims to develop risk models linking the operations of unmanned aircraft (UAS), the hazards they are exposed to and their effects in terms of severity and probability. Based on those models, the project will assess how U-space services could mitigate such effects, supporting the airspace risk assessment required by the European Regulation and leading to swifter specific category operation approval processes enabled by digital tools.

METHODOLOGY

To achieve its objectives, U-AGREE will follow these key steps:

- 1

Identifying realistic UAS operations scenarios and all potential hazards to safety, security, privacy, and environment.
- 2

Assessing metrics and thresholds, in collaboration with relevant stakeholders to measure risks associated with identified hazards.
- 3

Developing mathematical models that connect hazards to their effects, defining mitigation barriers and quantifying their effectiveness.
- 4

Evaluating the model’s applicability and effectiveness by integrating the risk model into the scenarios previously identified.

OUTCOME

- No negative impact on environment
- Additional system capacity
- New services for European citizens
- Maintenance of the safety standards
- Maintenance of the security standards
- Cost reduction of the UAS operation

