Future Combat Air System
Changing perspectives in Future Air Power

DEFENCE AND SPACE
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New operational context
Highly denied environments will require the collaborative capabilities of many pooled platforms
DEFENCE AND SPACE

New approach
Operating as a system of systems

New Generation Fighters teaming with Remote Carriers as force multipliers

Adding the unique capabilities of other platforms

Fully interoperable with allied forces

Operating across domains

Collaborating through an Air Combat Cloud
Increased mission effectiveness & survivability
Flexible & scalable Next Generation Fighter (NGF*) collaborating with Remote Carriers (RCs)

- Setting the right level of standalone capabilities for the manned NGF
- Teaming with unmanned RCs as force multiplier
- Ensuring mission effectiveness/survivability

* Using existing updated manned platforms is also planned
Accelerating the OODA loop
Victory will stem from the Air Combat Cloud

- Seamless access to data
- Automated optimal employment of sensors across platforms
- On board Predictive Data Analytics

Observe

- Shared, automated, and harmonized picture
- Automated decision support systems to plan & re-plan missions
- Provision of "smart tactics" in flight

Orient

- Central or distributed remote C2

Decide

- Automated optimal employment of different platforms and effectors

Act
Distributing the OODA loop
For more effectiveness, reactivity and resilience
FCAS main milestones
A true European journey
Thank you!