

Supporting
European
Aviation



Space and ATM Network operations perspective

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Manager iNEO – Integration of New Entrants in Network Operations

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Network perspective

Increase in space operations frequency

- New spaceports
- New operators
- Global market

Increase in space data availability

- Space based surveillance
- Earth observation (weather, volcanic ash, etc)

Contingency management

- Global interfaces
- Cross-border responses
- Mitigate impact on traffic flows

Space - ATM Operational interfaces



Space – ATM Operational interfaces



Space - ATM Launch planning



Space-ATM - Re-entry

Who?

**Space agencies, military,
NAA, EUROCONTROL
NM, ANSPs**

- Provide up to date information
- Operational interface – adapted to current volume/frequency of operations

Controlled

**Coordination, cross
border procedures**

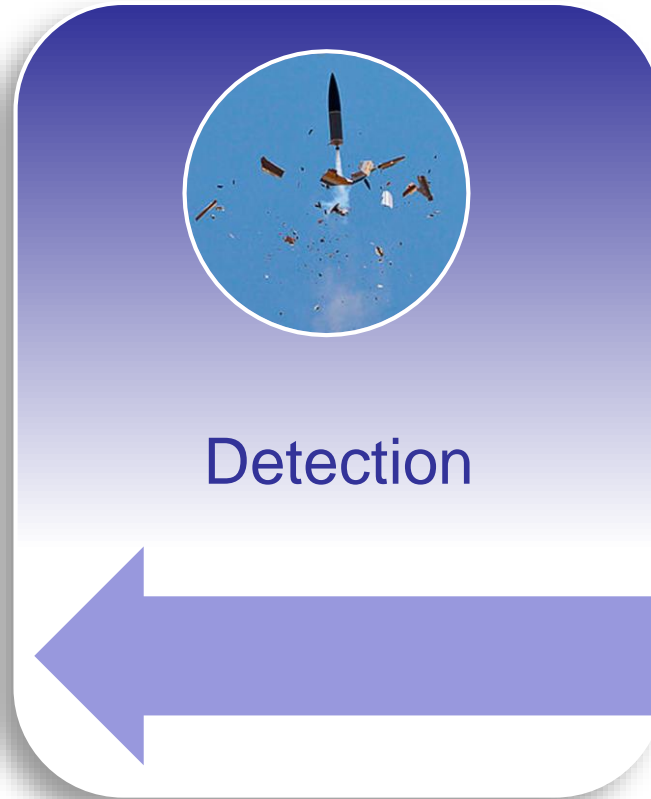
- New operational scenarios (point-to point rocket cargo)?
- Civil-military

Uncontrolled

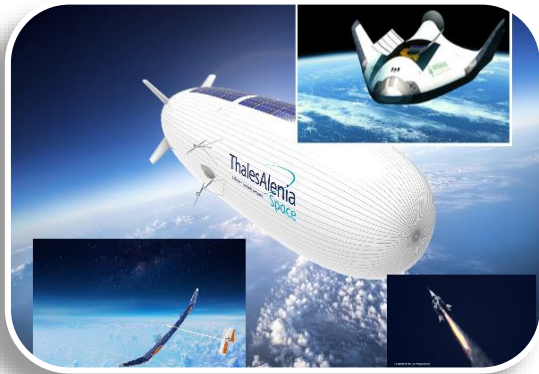
Dynamic situation

- Impact assessment – who?
- What can be done (realistically)?

Space-ATM - Debris



Space-ATM – contingency management



**New scenarios for
European ATM
network**



**From contingency
to emergency**



**Prepare - roles &
responsibilities,
procedures,
systems**



**GLOBAL
INTERFACES**

Space-ATM – moving forward



Build on current capabilities



Adapt to New scenarios



Integrate & use space data

**THANK YOU FOR
YOUR ATTENTION**