

# The Proactive DFS Approach to UAS Development

MEAUSE Annual Workshop Forum

Gudrun Held

International Affairs



**DFS** Deutsche Flugsicherung

# DFS Profile



## Our Background

DFS benefits from more than 50 years of experience in the provision of air navigation services in a very complex airspace.



## Our Team

We employ aeronautical, technical and financial experts seeking the opportunity to shape the future of the air transport system.



## Our References

We successfully completed more than 600 projects worldwide.

# UAS – A new player in the mobility sector



**Rail**

e.g. Logistics, surveillance of rail or utility networks



**Road**

e.g. Policing, parcel delivery



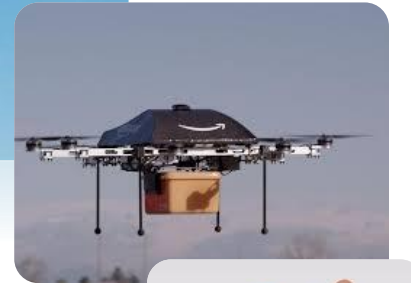
**Water**

e.g. Inspection, observation, fish farming

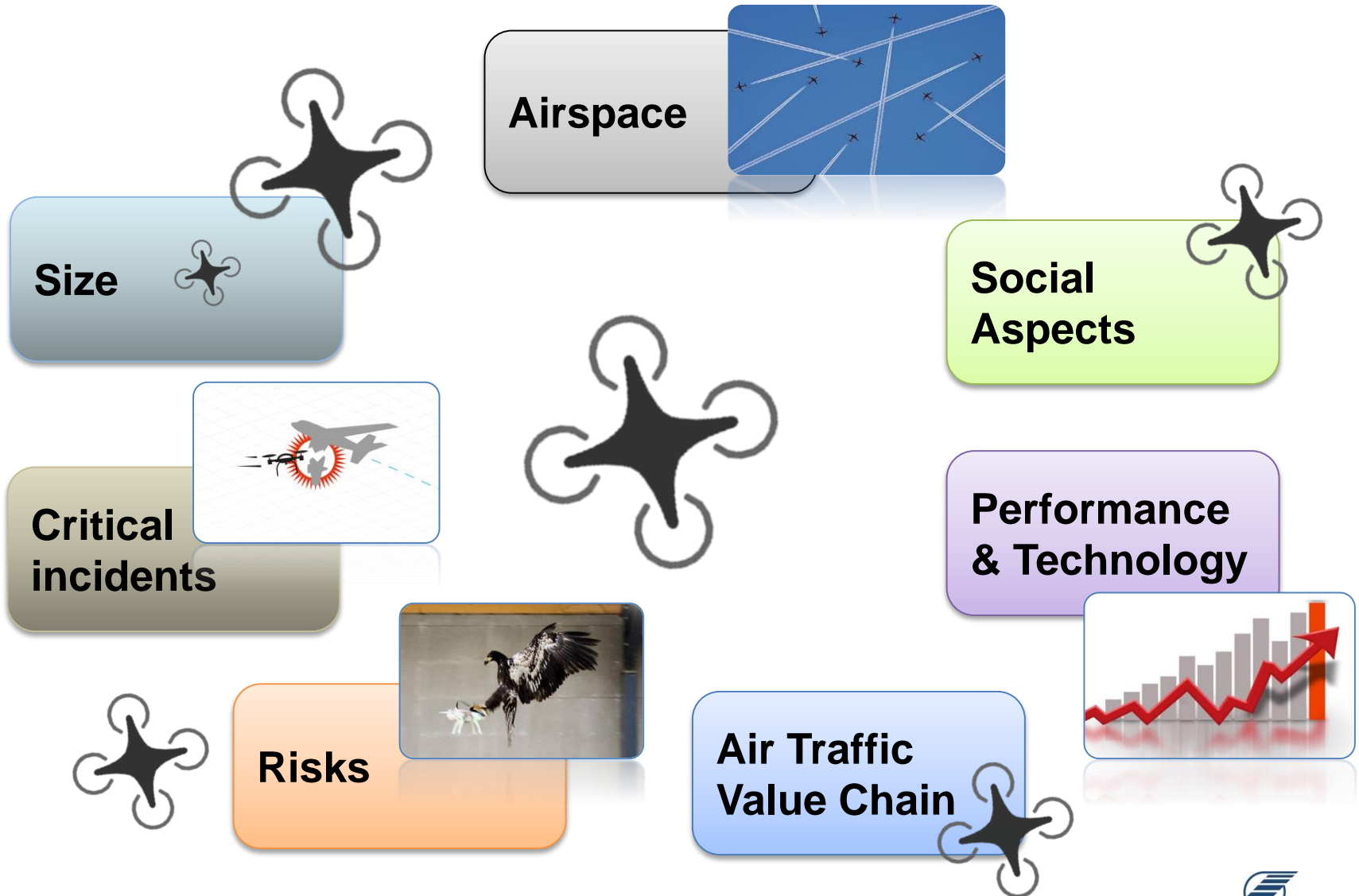


**Ground**

e.g. Agriculture, hobby & leisure



# UAS pose new questions and demand a rethink on a number of air transport related issues



# DFS draws on long standing experience with UAS

European Commission:

Concept of integration,  
Safety assessment

2007 – 2013



Ministry of Defence:

EURO HAWK  
Safety assessment

2008-2015



DHL & RTWH:

„Paketcopter“  
Consulting,  
Safety assessment

2015



Ministry of Transport &  
Federal Police:

Safety concept  
& assessment,  
test flights

2007 - 2011



Airbus:

Consulting,  
collision detection  
& avoidance

2009, 2012 – 2015



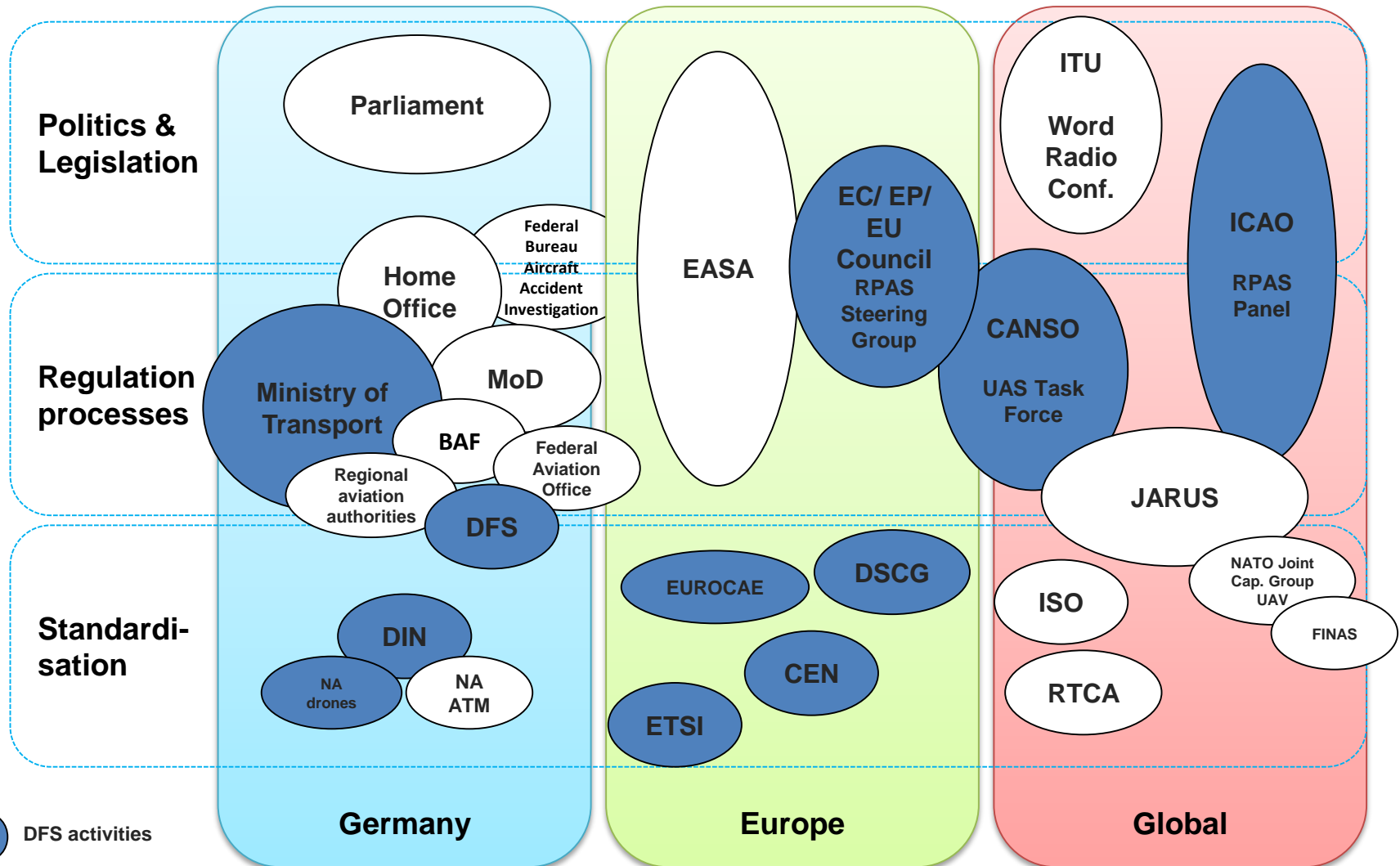
DLR:

Support for test flights,  
radar data information

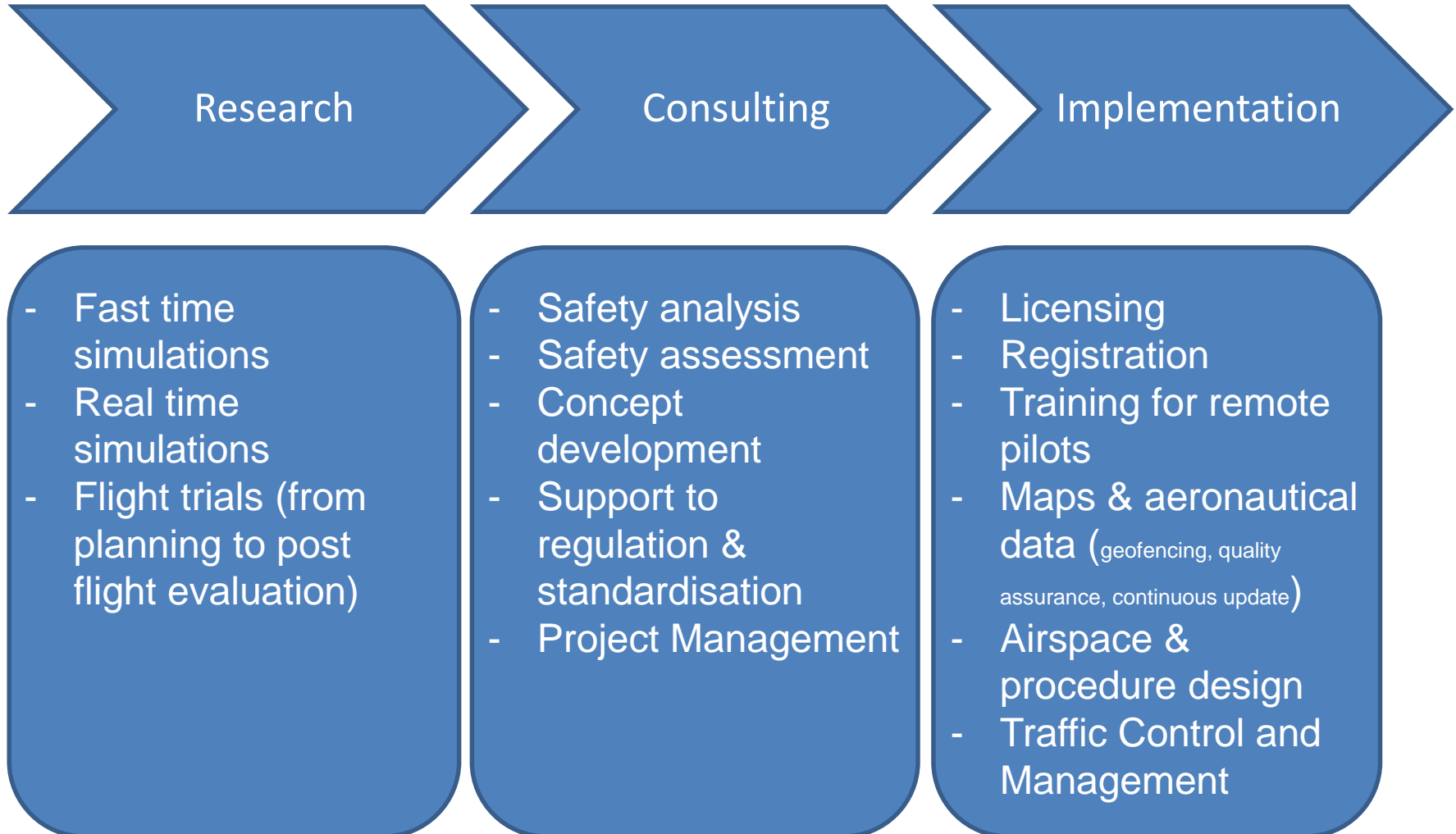
2014 – 2016



# DFS involvement in UAS working groups



# DFS Approach



# Thank you and contact for further information

## Thank you for your attention!

### Questions?

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