



EASA
European Aviation Safety Agency

The *Data4Safety* Programme

Future Sky Safety Conference

Brussels, 6 Nov 2018

Your safety is our mission.

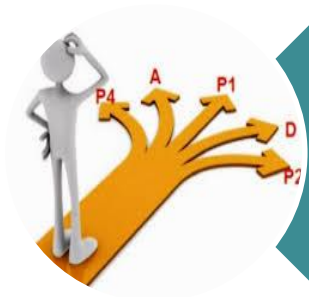
An agency of the European Union 



The European Safety Risk Management Cycle



Collaborative work with experts
from Industry and States



Identify safety priorities



Connect safety intelligence with
actions



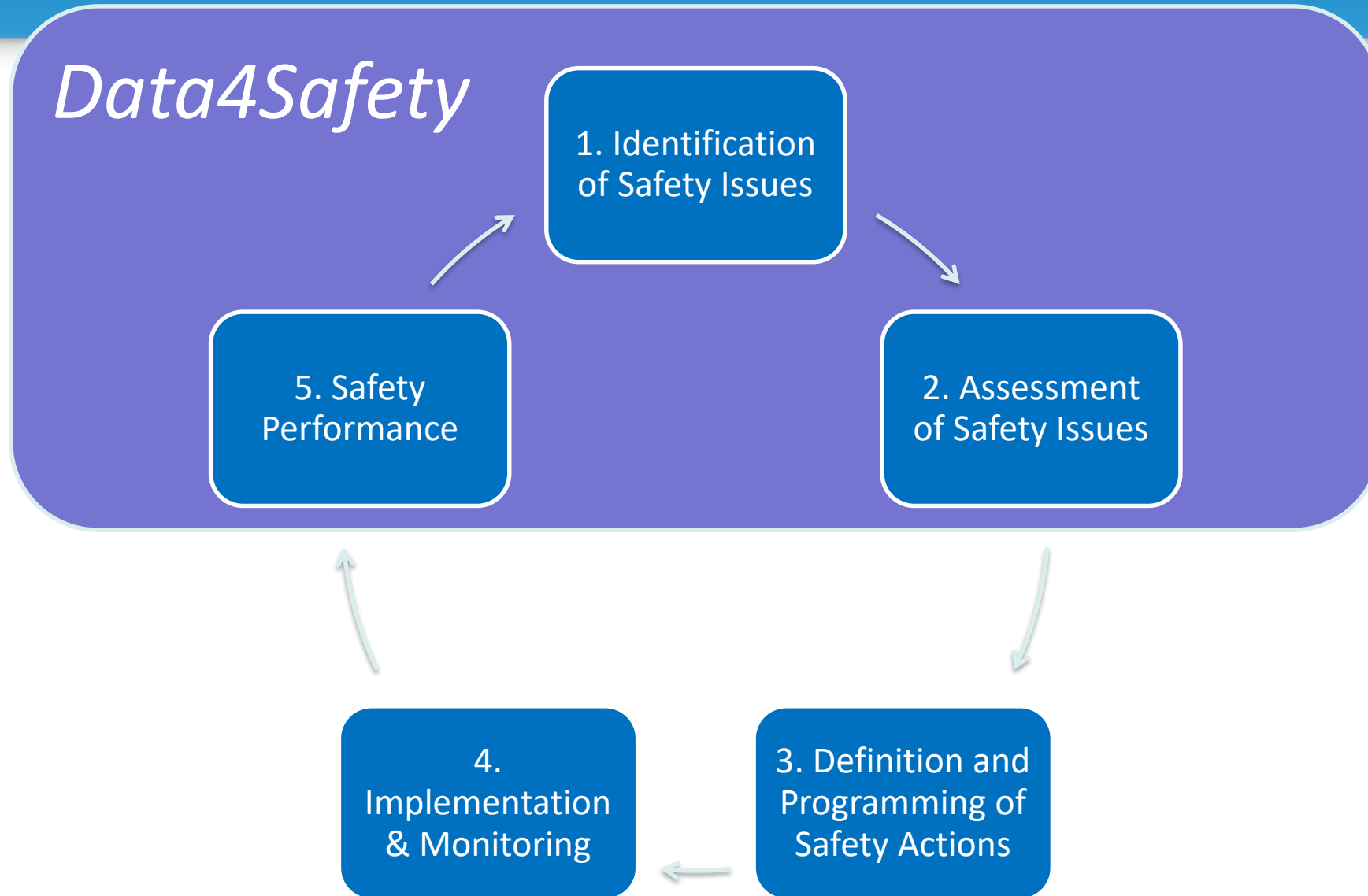
The European Safety Risk Management Cycle



➤ Process fundamentally based on Data Collection and Analysis



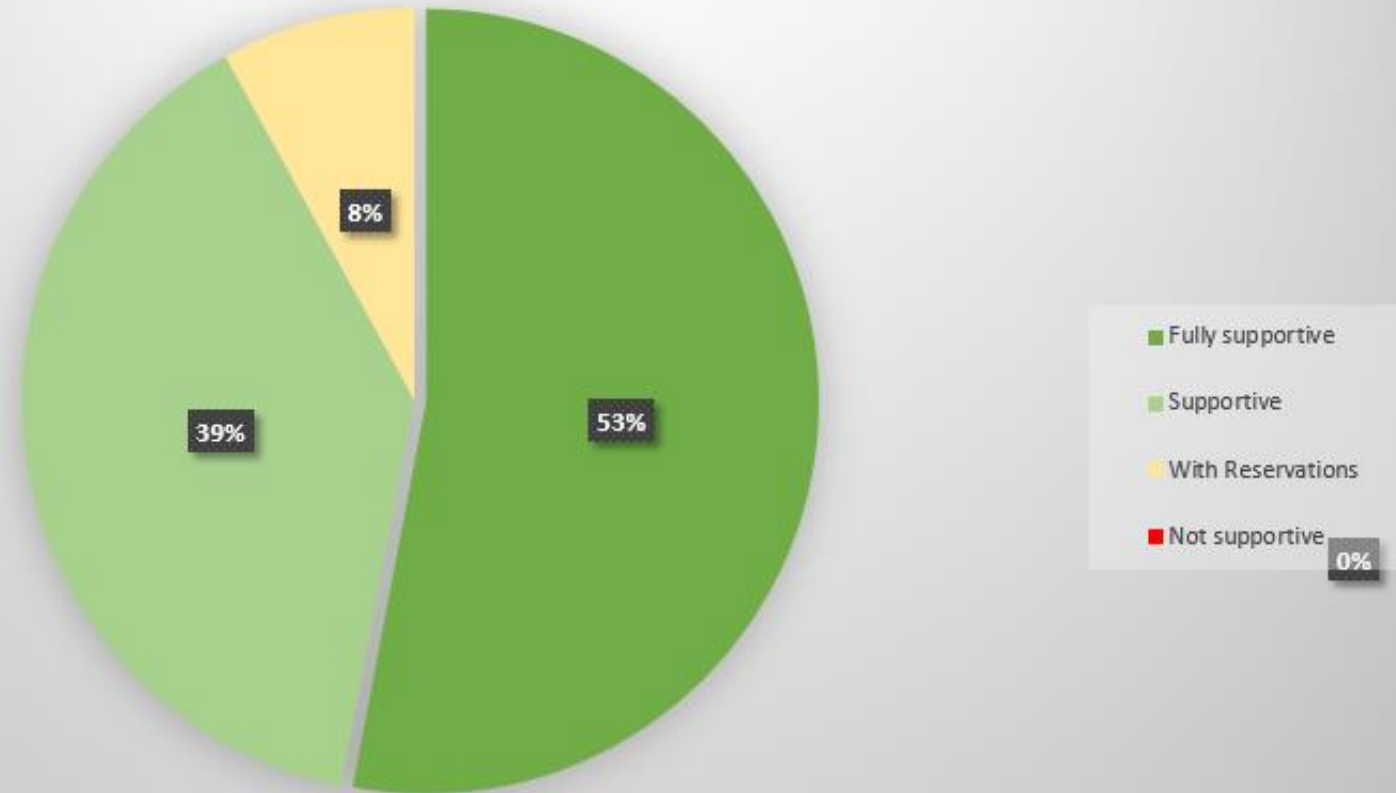
Vision for the future





Feasibility Study (Back in 2015): Overall support of the initiative by the industry

Would you be supportive of a European data exchange programme that aims at identifying and analysing aviation safety risks in Europe?





Key features of the *Data4Safety* programme



A **voluntary** and **collaborative** partnership amongst all stakeholders



Independent governance to reflect the partnership and collaborative approach (dual management authorities/industry)



Data Processing Organisation to manage the Big Data solution



Outcome shared for the benefit of the whole community (Risk identification and analysis)



Linked with other international initiatives (US, Asia-Pacific, IATA,...)



Who will be in?

All European aviation stakeholders



Linked by a charter

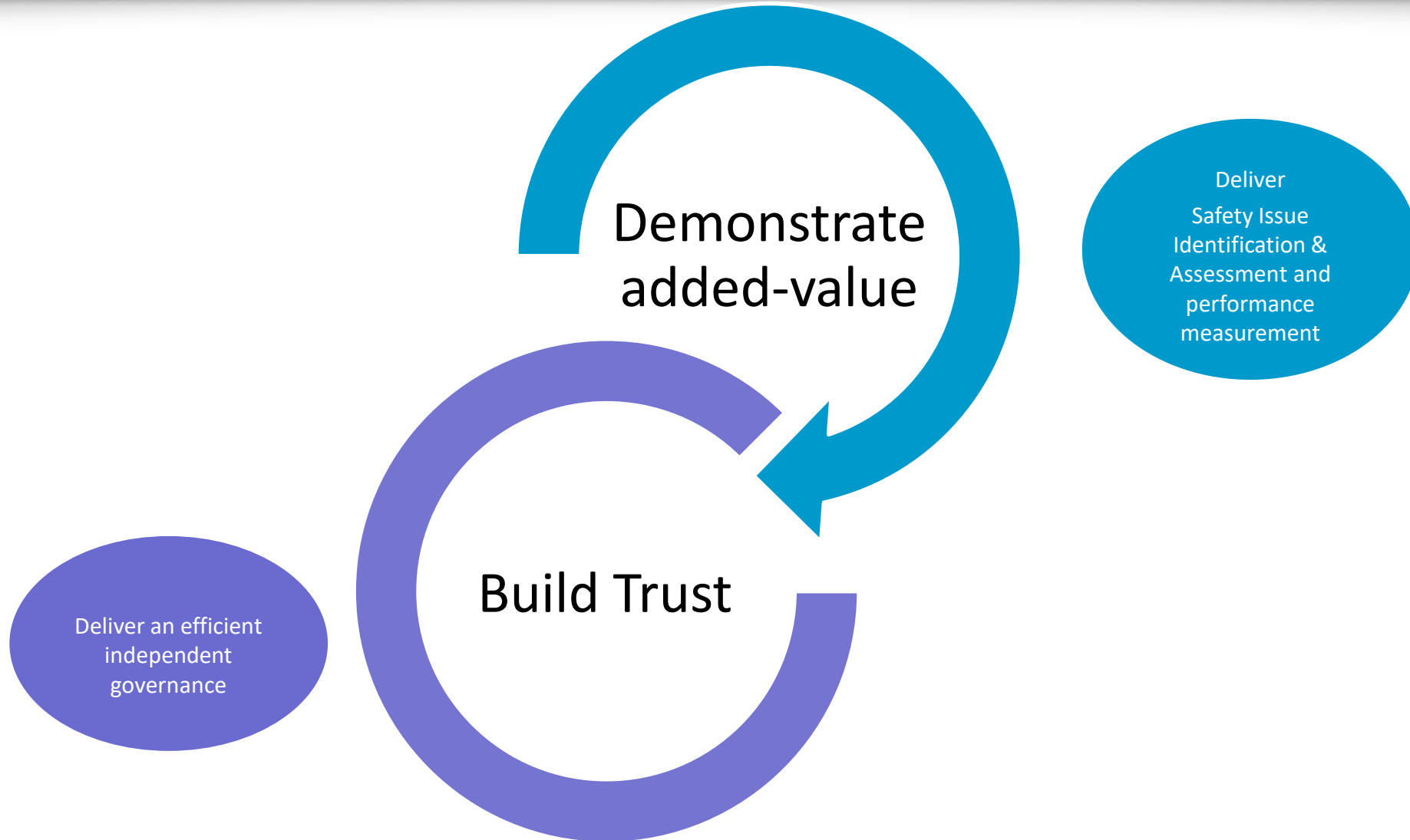


Proof of Concept Phase

- The initial Feasibility Study concluded on the necessity to have a proof of concept phase before going to the potential full deployment.
- The proof of concept will be done with a limited number of stakeholders and will enable to confirm the expected benefits while testing the technical and governance models.



Objectives PoC phase





D4S Founding Members



AESA, Airbus, Boeing, British Airways, DGAC France, EASA, easyJet, ECA (European Cockpit Association), IAA (Irish Aviation Authority), Iberia, Lufthansa, Ryanair, UK CAA



Out there!



Objective Deliverables

Expert Knowledge

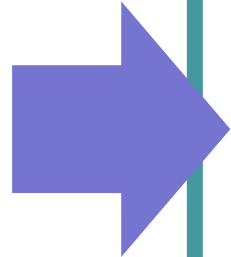


Flight Data

Air Traffic data

Safety Reports (occurrences)

Weather, and more...

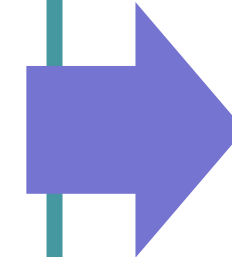


Collaborative Analysis Platform



Aviation Experts and Data Analysts

Big Data Platform



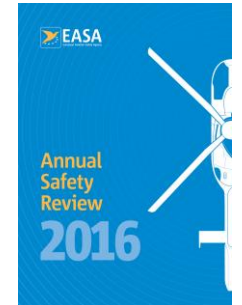
Connect Safety Intelligence with actions



Know where to look

See it coming

Act!



Data Technologies



What do we want to deliver with D4S?



A set of outputs to produce **actionable safety intelligence**

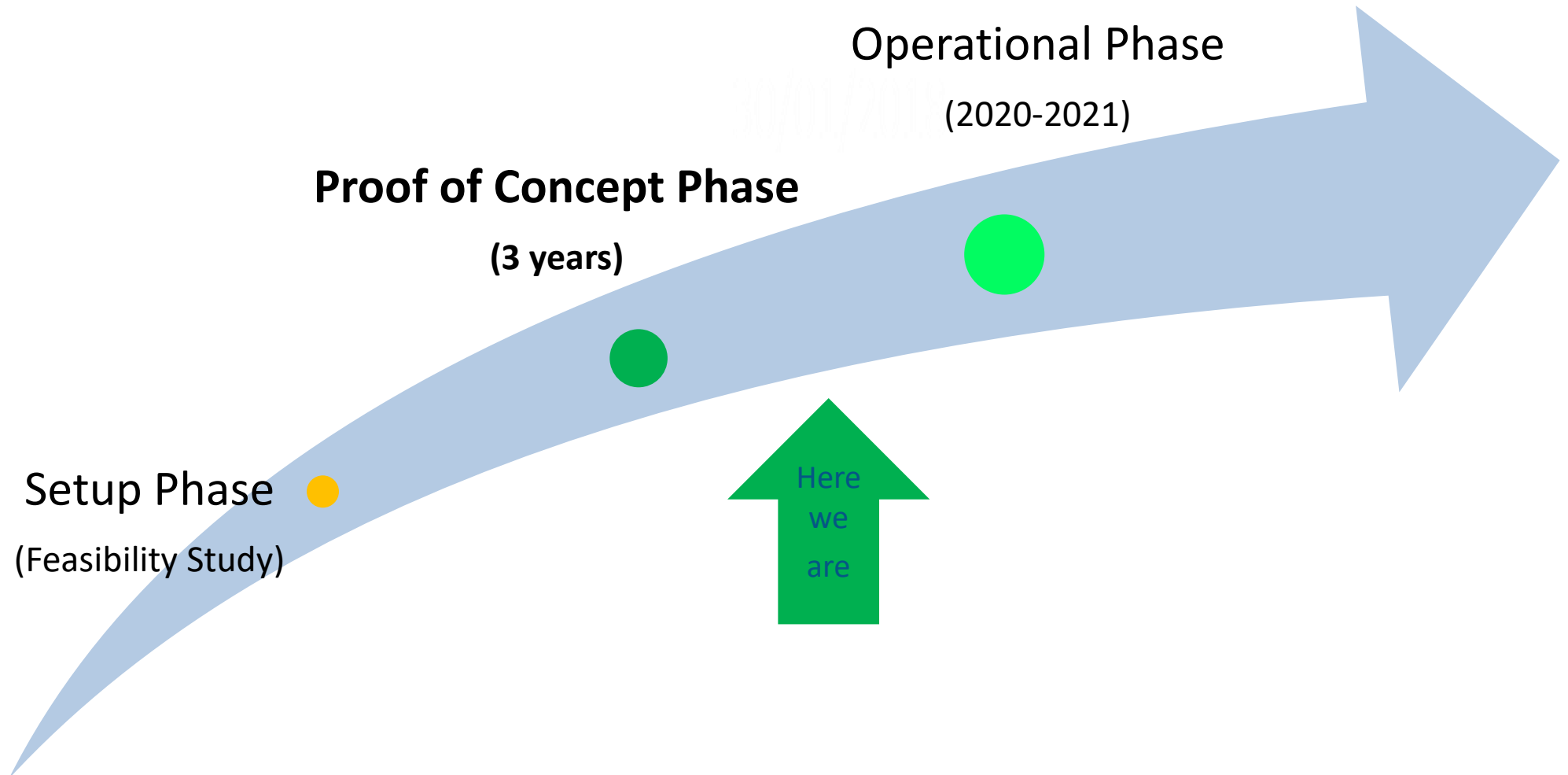




What is D4S implementation roadmap?



A step approach with a **Proof of Concept** phase to **test** and **demonstrate**





EASA
European Aviation Safety Agency

Thank you

Your safety is our mission.

An agency of the European Union 