Data4Safety

Partnership for Data Driven Aviation Safety Analysis

Supported by EASA

Data4Safety Programme

Enabling trust and data protection

Luc Tytgat, High Representative of the EASA Executive Director, June 2024

D4S is co-funded by the European Union

Data4Safety explained in one paragraph

The Data4Safety Programme (D4S) is a **strategic initiative, objective and priority** of the Agency (ref. EASA Single Programming Document).

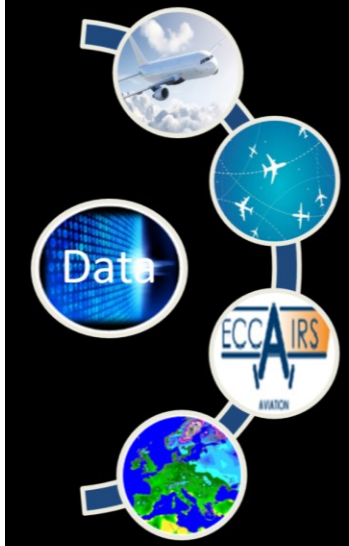
D4S is a **voluntary partnership** of the **EASA Members States** and the **Industry** that aims at **inferring unprecedented aviation intelligence**, e.g. to **identify and manage safety risks** or **support data driven change** in both the fields of **safety** and **sustainability**.

This is done by organising a **massive collection of aviation data sources** and, equally important, **organising the analytical capacity** amongst all **EASA aviation partners (both EASA MSs and Industry)**.

This will take the **collaborative work of EASA with the Industry and the EASA MSs** at a scale never achieved before in Europe.

D4S is led by EASA and powered by its Members

Out there!

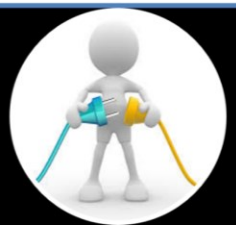


Objective Deliverables

Collaborative Analysis Platform

Aviation Experts and Data Analysts

Big Data Platform



Know where to look

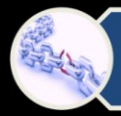
See it coming

Act!

Metrics

Directed Studies

Blind Benchmarking



Vulnerability Discoveries

Governance Bodies

Governance Instruments

Procurement Instruments

Legal Instruments

D4S General Assembly

D4S Steering Board

D4S Technical Board

D4S Supervisory Panel

Charter

RnP

D4S DaGo

Collaborative Analysis Platform

Secured Landing Zone

Data Platforms Provider

Development Zone

Data Analysis Provider

Members Zone

Data

DSPAs

DSPAs

Data Collection Platform

Big Data Platform

Cloud hosting infrastructure

Actionable Safety Intelligence

Platforms Overview, Set-up, Staging and Entry into Service

hosted by EASA

*Managed by the DPPO**

DATA COLLECTION PLATFORM

Data Pipelines to ingest and store the source data in a Secure Landing Zone

BIG DATA PLATFORM

Analytics Platform enabling advanced analytics, machine learning, and data visualization at scale.

COLLABORATIVE PLATFORM

Document Repository and other collaboration tools at the program level.

**DPPO: D4S Data Processing and Protecting Organisation*
(trusted 3rd Party Big Data Platform Infrastructure and Data Science Consulting service Provider, selected by EASA for the Programme)

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