



ICARUS

Aviation-driven Data Value Chain for Diversified Global and Local Operations

ICARUS In a nutshell

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<http://www.icarus2020.aero>

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ICT-14-2017: Big Data PPP: cross-sectorial and cross-lingual data integration and experimentation

What is ICARUS

- ICARUS is a Horizon2020 funded project under research and innovation programme (Started Jan 2018)
- ICARUS will build a novel **data value chain** in the aviation-related sectors towards data-driven innovation and collaboration across currently diversified and fragmented industry players

3rd Tier Data: Aviation-derived Data

Health, Tourism, Security, ...



2nd Tier Data: Extra-Aviation Data & Linked Open Data

Airport Services

Aviation-related Service Providers



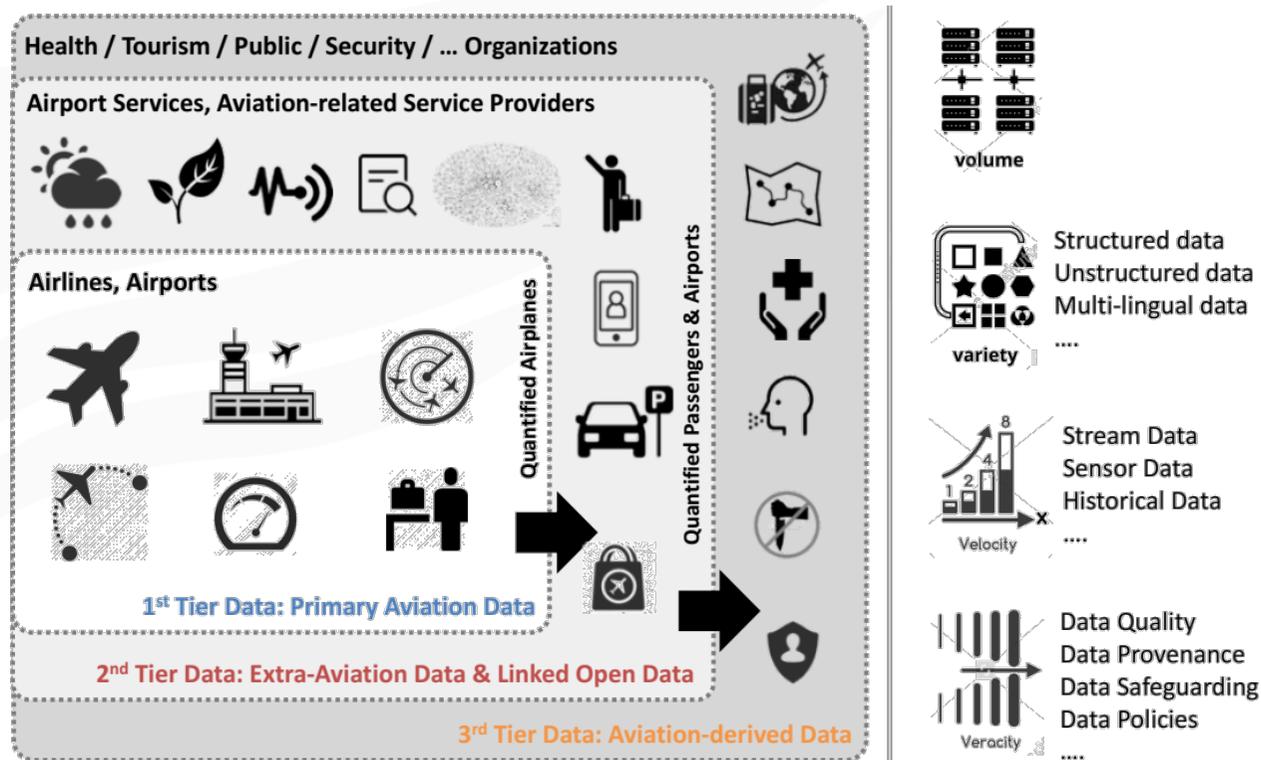
1st Tier Data: Primary Aviation Data

Airlines, Airports



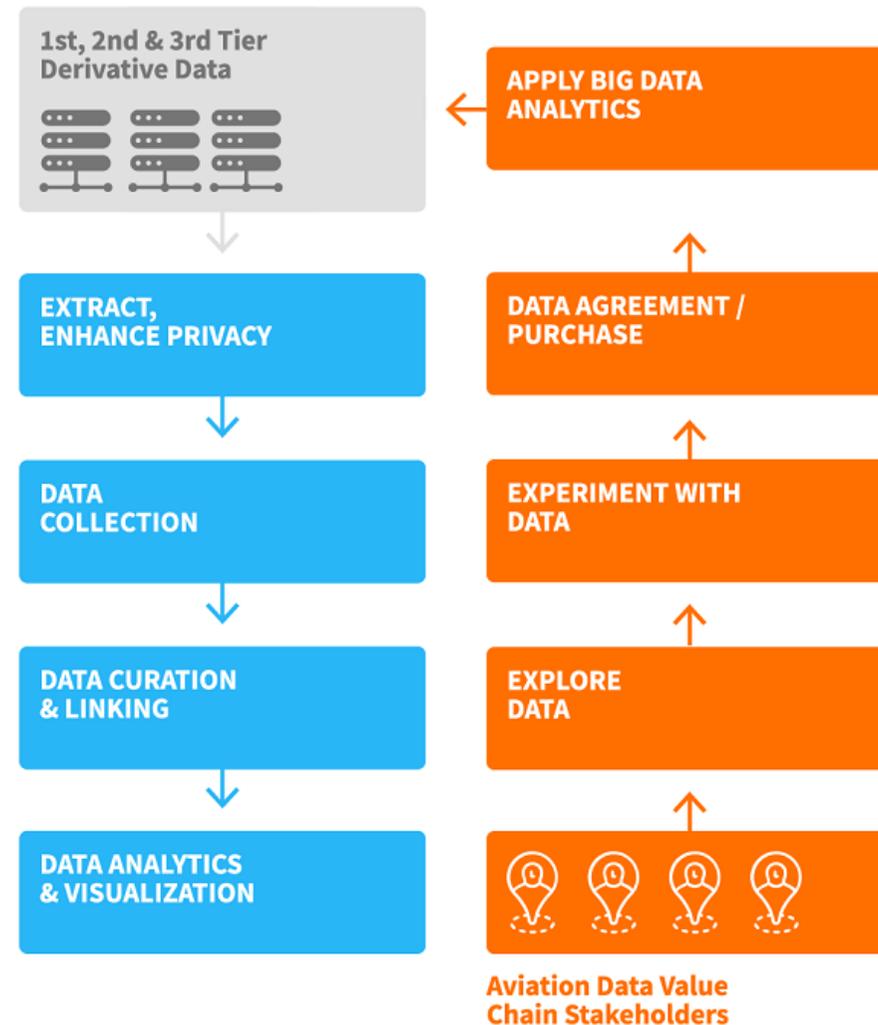
What is ICARUS

- ICARUS brings together the Aerospace, Tourism, Health, Security, Transport, Retail, Weather, and Public sectors and accelerates their data-driven collaboration under the prism of a novel **aviation-driven data value chain**.



ICARUS Approach

- ICARUS approach will include 3 Core Data Services Bundles:
 - the Data Collection
 - the Data Curation and Linking
 - the Data Analytics & Visualization
- The ICARUS platform is complemented by the Added Value Services Bundle that practically contains data agreement/purchase, data recommendation services and data notification services.



The Goals

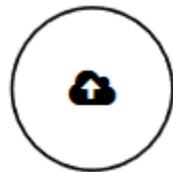
ICARUS Differentiating Points:



An one-stop shop for discovery of native-aviation, extra-aviation and derivative-aviation data assets



A trusted analytics sandbox to link and gain insights into private, confidential and external data



A data brokerage platform enabling new forms of data sharing based on P2P licensing schemes

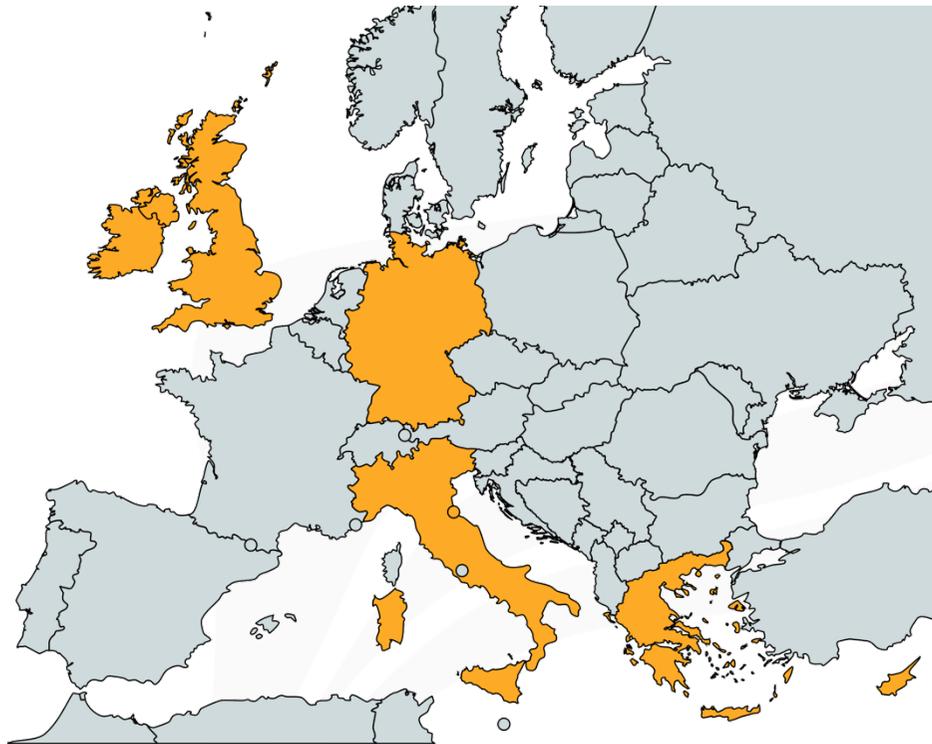
The Goals

 **ICARUS Demonstrators:**
Four real-life cases, driven by stakeholders of the Aviation value chain, belonging at different levels and domains, and bringing on board different kinds of pan-EU data.



Consortium

<https://www.icarus2020.aero/>





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Thanks for your attention!

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<http://www.icarus-h2020.eu>

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