

Iris SATCOM: a system designed for aviation

Introduction

Iris SATCOM: a system designed for aviation

ESA Iris Team

10/02/2022

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Webinar Module 2: Iris SATCOM: a system designed for aviation



1. Introduction (ESA) *Martina Angelone*

1. *Iris past, present and future*
2. *Iris key goals and benefits*

2. Motivations for Iris and Iris technical overview (Inmarsat)

Sylvie Sureda-Perez/ Dale Irish

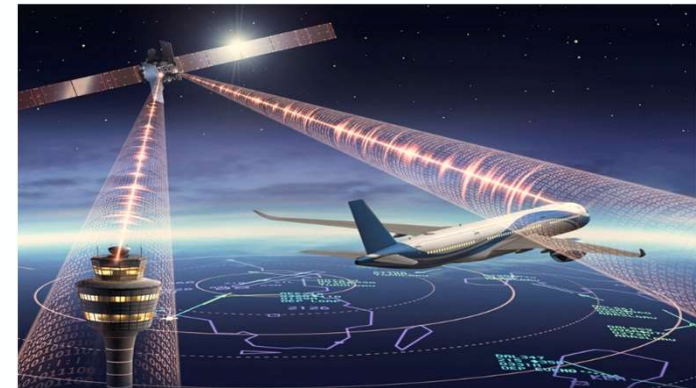
1. *Motivations for Iris - Key features*
2. *Iris System Architecture and end-to-end concept*
3. *Performance requirement and capacity study (what we have and what we need)*
4. *System maturity overview*

1. Iris Avionics manufacturers view

1. *Airbus (Airbus) : "Avionics Status and perspective on Iris" Thierry Harquin*
2. *Honeywell (Honeywell) "Avionics Status and perspective on Iris" Radek Zaruba*

2. Iris Service Provision (ESSP) *"Iris service perspective" Javier Murcia*

Q&A







SATCOM for aviation: highlights from Module 1

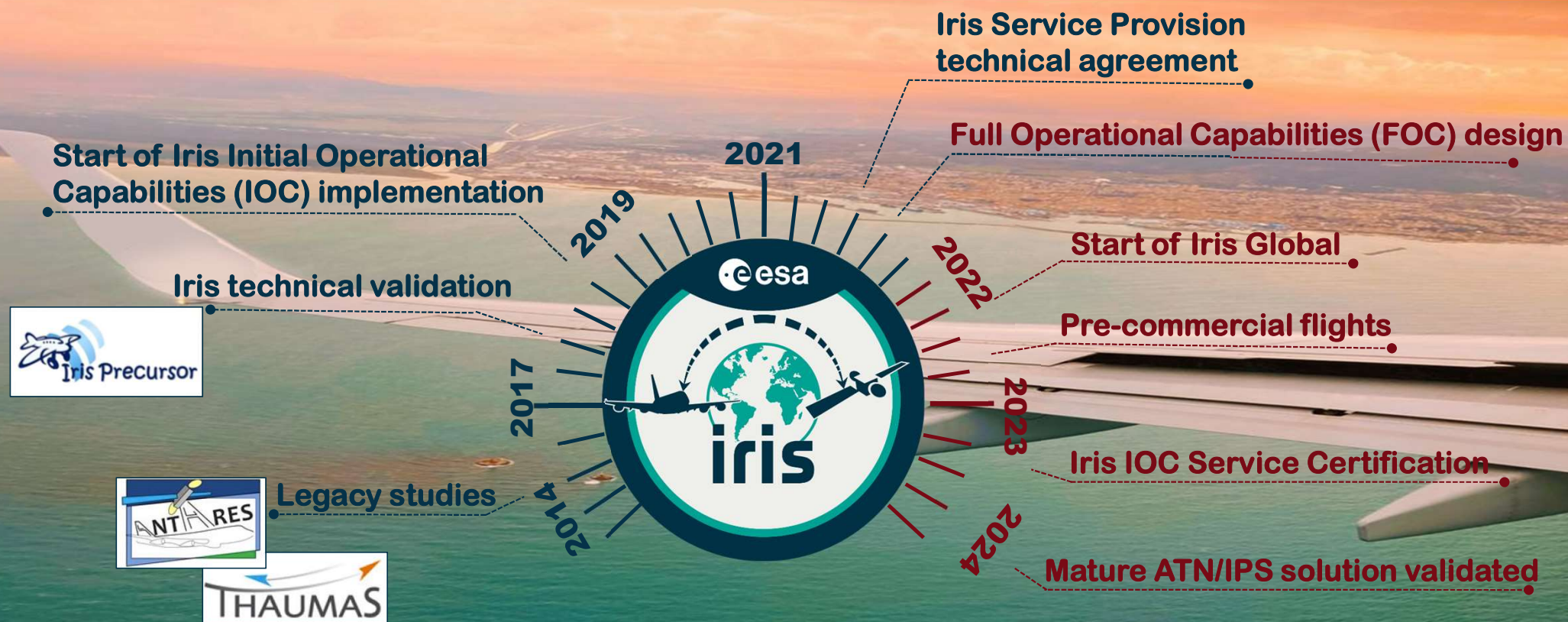


-  **SATCOM** can provide safety services in line with the required performance, first over **ATN/OSI** in Europe and shortly also over **ATN/IPS**, maintaining OSI-IPS interoperability
-  SATCOM can have a key role as interoperable element enabling **integrated CNS** services
-  SATCOM can enable **multi-service approach**, offering segregation for critical services, allowing also concepts of multi-orbit or multi-frequency systems





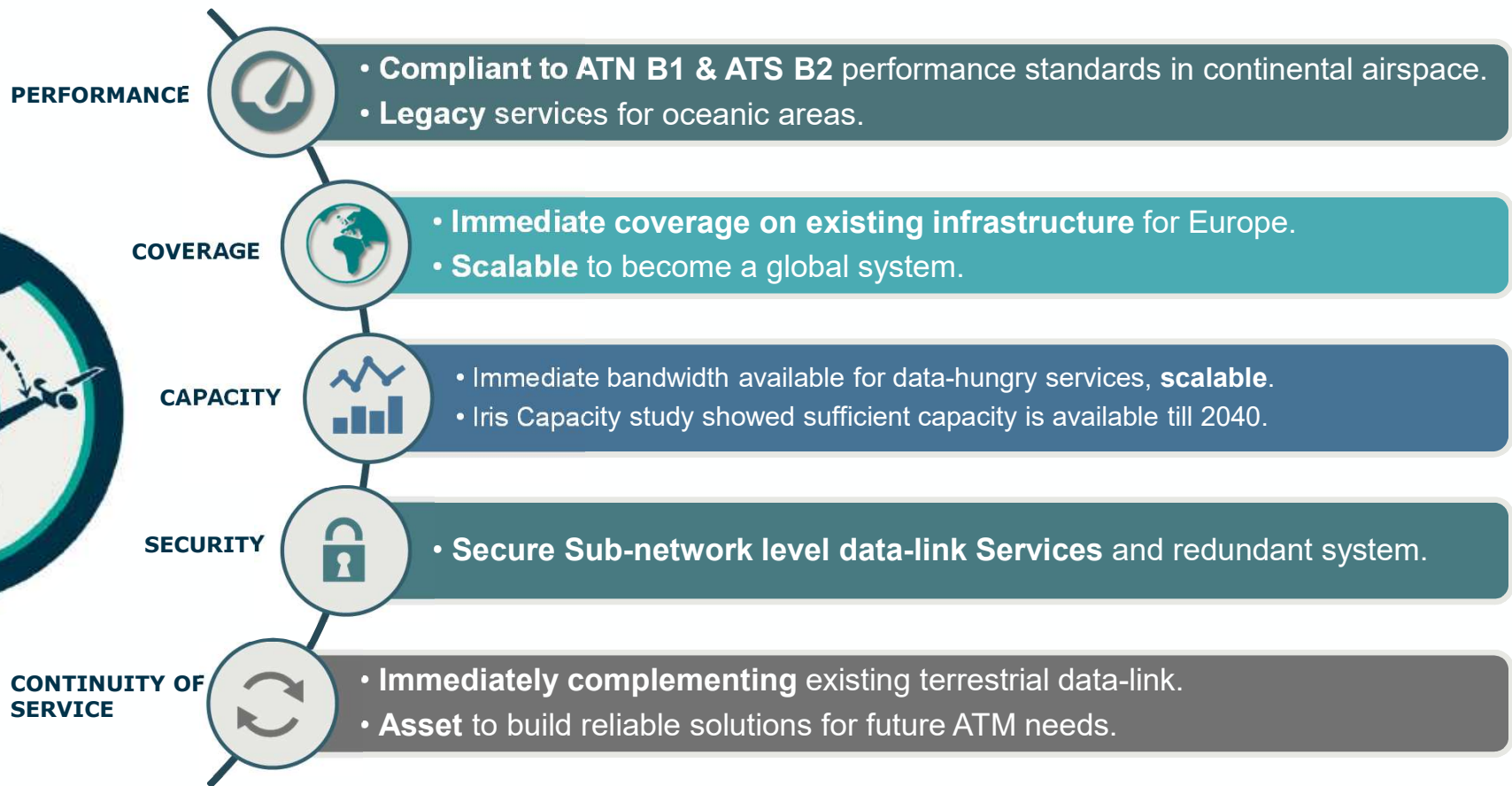
ESA Iris programme: past, present and future

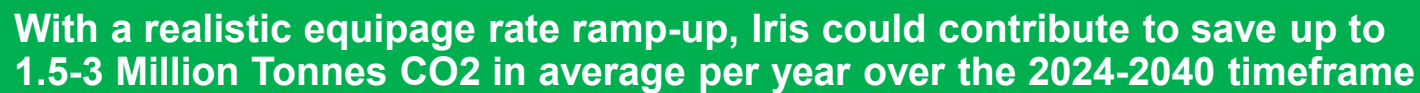
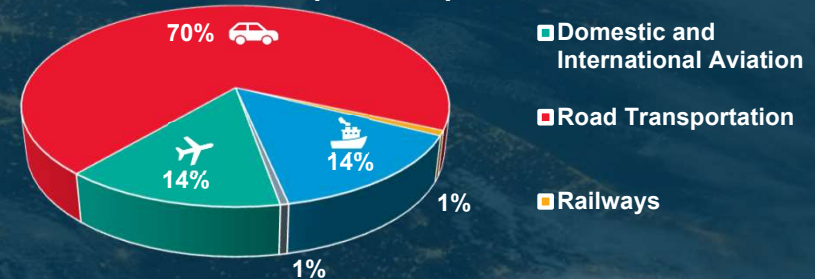
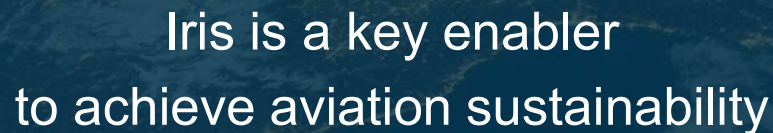
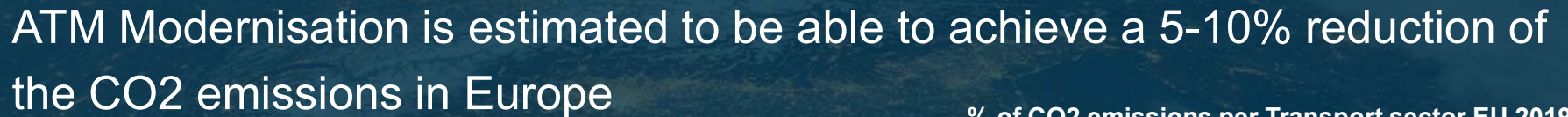
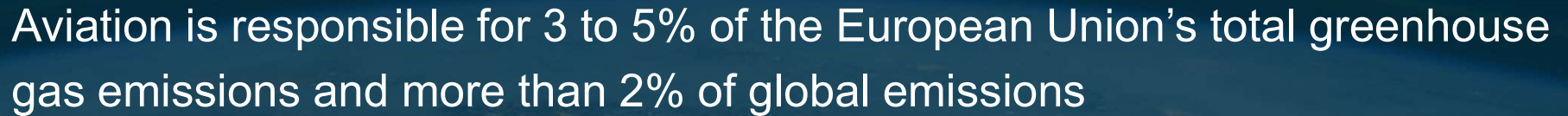


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Iris Key Features





*<https://www.eea.europa.eu/data-and-maps/data/data-viewers/greenhouse-gases-viewer>



Thank You

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