

The Single European Sky policy

The Future of Air Traffic Management What Can We Learn from Each Other? World ATM Congress - Madrid, 9 March 2016

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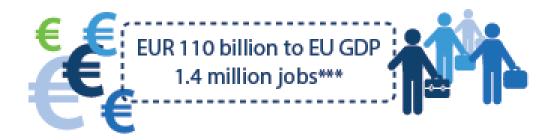
The Single European Sky policy 1 - European context 2 - SES "toolbox"

3 - Looking into the future



Air transport is a key component of the European transport system

Generating benefits well beyond the air transport industry





Growing air traffic requires revolutionary solutions





An Aviation Strategy for Europe

An ambitious EU external aviation policy

- Negotiating new EU-level aviation agreements
- Providing more connections and better prices for passengers
- Creating investment opportunities for EU companies
- Better manage traffic in crisis situation

Maintaining high EU standards

- Environment
- Safety
- Passenger rights
- Social dialogue and quality jobs

Tackling limits to growth

- Achieving the Single European Sky
- Boosting the efficiency of airport services
- Tackling the capacity crunch
- Improving connectivity to stimulate growth

Innovation and digital technologies

- Deploying SESAR
- Unleashing the potential of the drones' market

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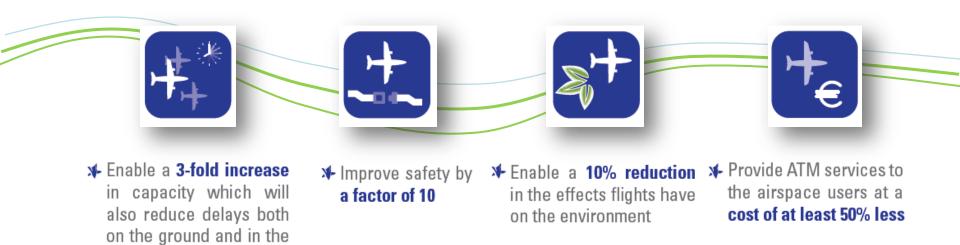


Fragmentation of airspace





Improving performance



Achieving highly efficient air transport Seamless & safe mobility of citizens

air



The Single European Sky "toolbox" Reforming European ATM

2 main threads

Institutional **Technological** PERFORMANCE Defining, developing & deploying Reforming ATM organisation & SAFETY Modern & interoperable ATM systems management Innovation Service provision Interoperability **Airspace Regulation Partnerships** SESAR FAB, FUA Strong legal framework



Performance Scheme

Safety

• Safety management, application of severity classification

Capacity

• En route ATFM delay per flight

Environment

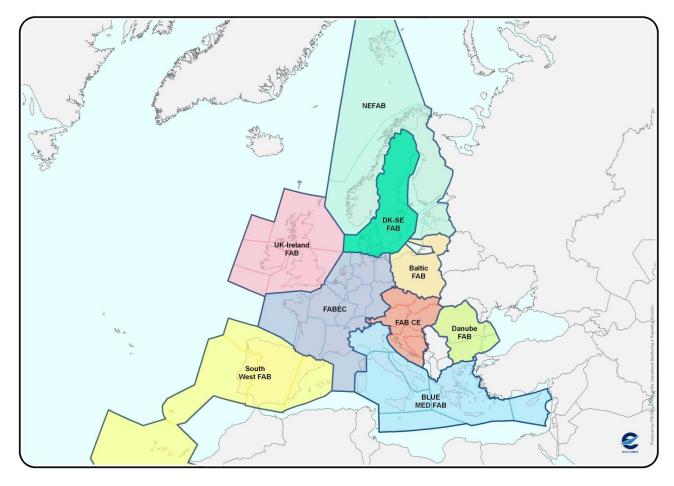
• Horizontal flight efficiency (actual trajectory, last filed plan)

Cost efficiency

- En route Determined unit cost
- TNC (potentially, from 2017)



Functional Airspace Blocks









- Pivotal Role
- Adding Network Value
- Attributing Effect
- Decision-making (what's best for us all)
- Information sharing

The Man in the Middle







1 project = 3 interrelated processes



An active & evolving partnership



Enhancing performance

2014

SESAR Deployment framework Partnership Deployment Manager

Deployment Programme

2004 Global consortium + Eurocontrol 2007 SESAR Joint Undertaking PPP

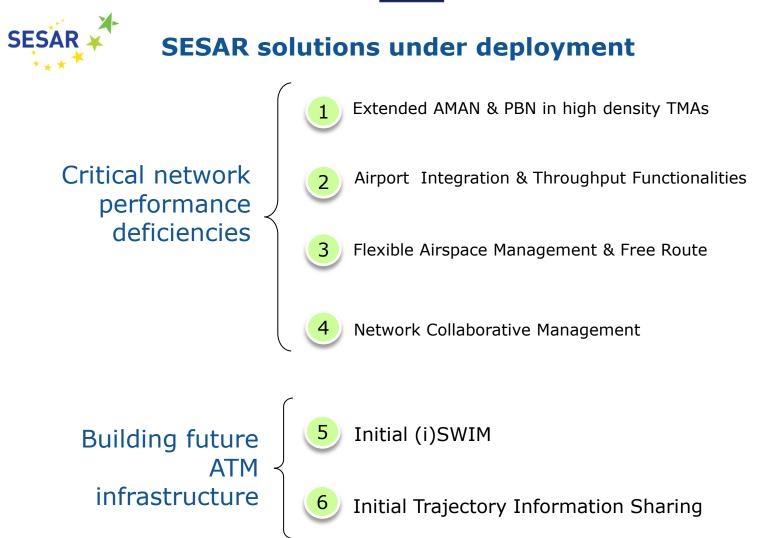
Leveraging investments

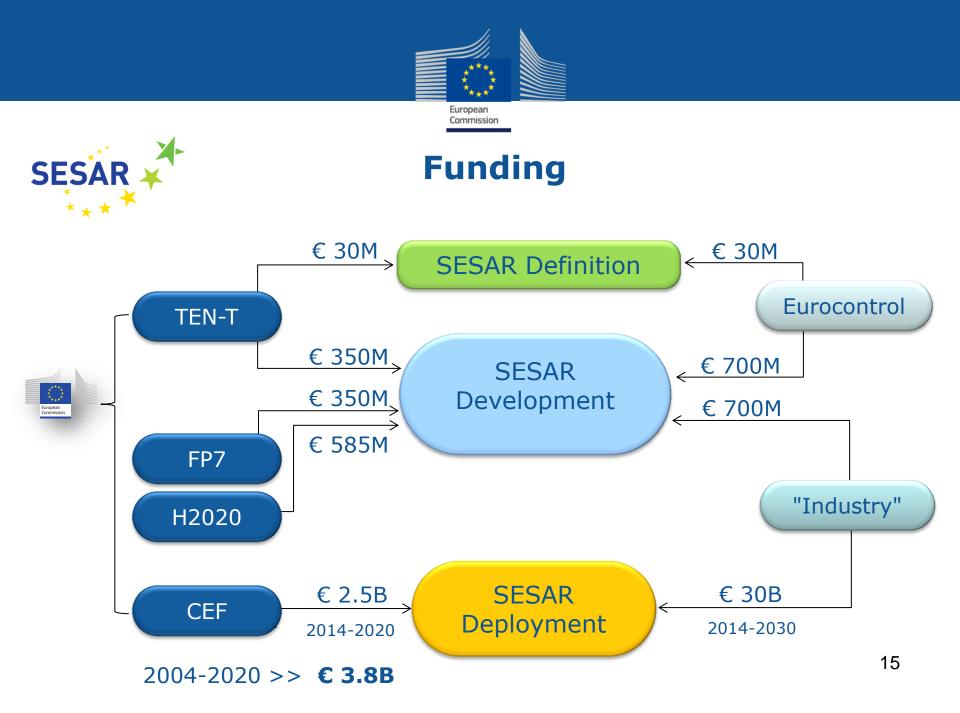
SESAR solutions

European ATM Master plan

Assembling expertise & resources



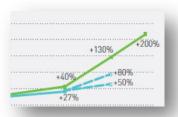








Expected benefits



EUR 4.9 Billion in performance gains

(ex. 5 % delay cost savings)



66% reduction of fuel burn ► EUR 0.8 billion (6%) CO₂ credit savings



23% Air navigation services productivity



Organisational aspects

Institutional solutions (FABs, ...)

Industrial partnership (SJU, SDM, ...)



Technological progress

Technology mandates (DLS, SPI,...)

Synchronised deployment (PCP, DP, ...)



Regulatory aspects

Deregulation (monopoly, ...)

Performance targets (PRB, ...)



Thank you for your attention