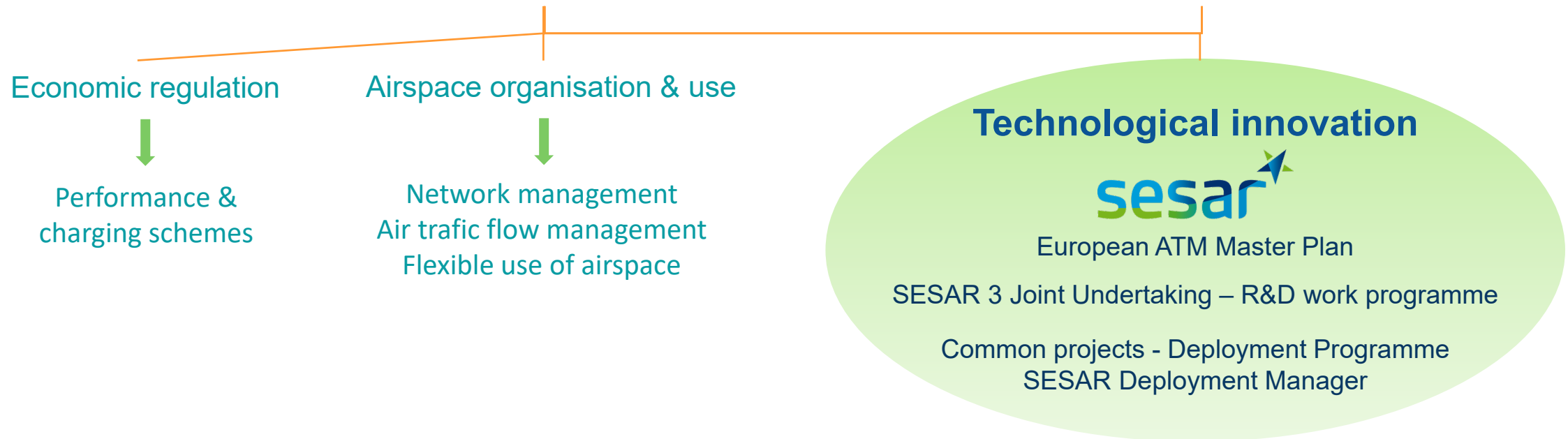
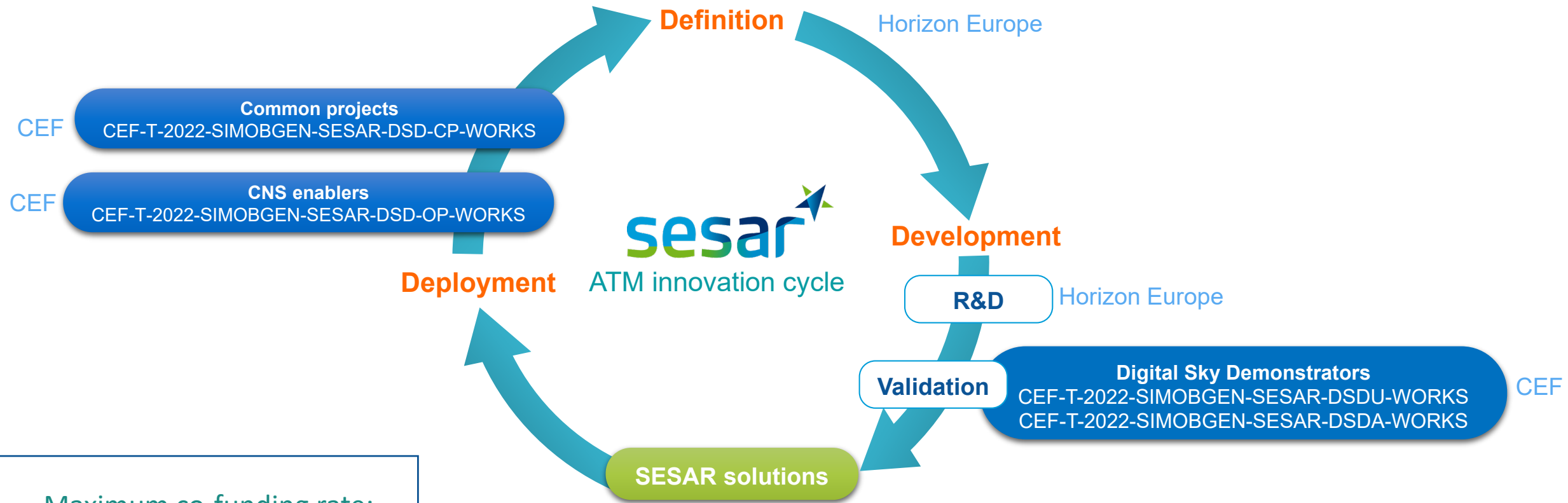


## Single European Sky Air Traffic Management Research

### Modernising European Air Traffic Management



## Single European Sky Air Traffic Management Research



Maximum co-funding rate:  
 General envelope: 50%

## Digital Sky Demonstrators Call 2

### What is a Digital Sky Demonstrator?

**Digital Sky Demonstrators**  
CEF-T-2022-SIMOBGEN-SESAR-DSDU-WORKS  
CEF-T-2022-SIMOBGEN-SESAR-DSDA-WORKS

- Demonstrate the SESAR Solutions required to deliver the **Digital European Sky**:
  - Involving ground and airborne industry (when required)
  - Executed by operational ATM actors (e.g. air navigation service providers, airports, airlines, Network Manager, etc.)
  - Executed across European airspace
  - Closely connected to standardisation and regulatory activities
- Provide a platform for “early movers”
- Accelerate market uptake
- Target maturity level: TRL 7 & 8

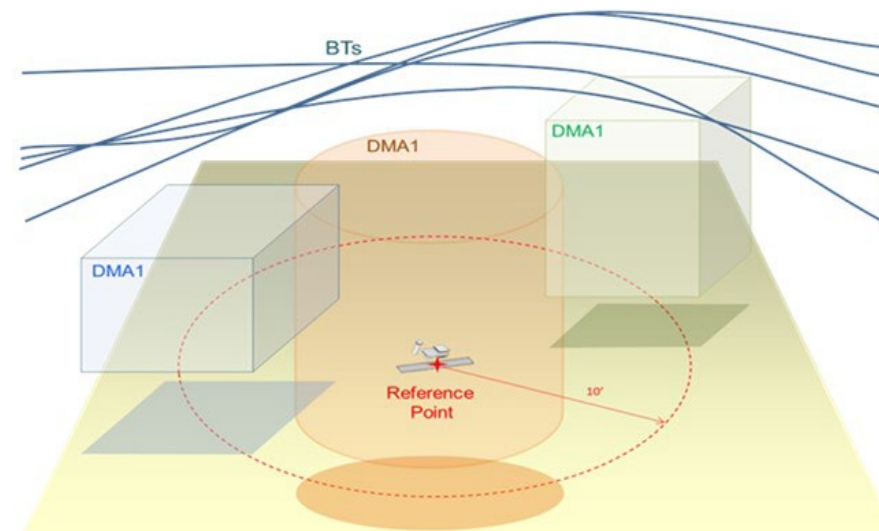
## Digital Sky Demonstrators Call 2

Contributing to achieving the Airspace Architecture Study Transition Plan

**Digital Sky Demonstrators**  
CEF-T-2022-SIMOBGEN-SESAR-DSDU-WORKS  
CEF-T-2022-SIMOBGEN-SESAR-DSDA-WORKS



Single European Airspace System



## Digital Sky Demonstrators Call 2

Contributing to achieving the Airspace Architecture Study  
Transition Plan

### Gradual transition towards higher levels of automation (e.g.)

- Improved ATC decision support tools integrating Met and aircraft derived data
- Short term demand capacity balancing optimisation of TMA and Extended TMA
- Regional airports better connected to the Network Manager
- Operating a Multilink communications infrastructure
- Next generation of air - ground datalink via LDACS (L-band-digital aeronautical communication system)

Digital Sky Demonstrators  
CEF-T-2022-SIMOBGEN-SESAR-DSDU-WORKS

### Virtual center and ATM Data Service Providers (ADSPs)

- Cross border delegation of ATC services based on Virtual Centre
- Integration of dynamic airspace configurations, digital integrated network management and ATC planning and Dynamic Mobile Areas

Digital Sky Demonstrators  
CEF-T-2022-SIMOBGEN-SESAR-DSDA-WORKS

## Digital Sky Demonstrators Call 2

### Call specificities

Digital Sky Demonstrators  
CEF-T-2022-SIMOBGEN-SESAR-DSDU-WORKS  
CEF-T-2022-SIMOBGEN-SESAR-DSDA-WORKS

- Grant duration: **36 months**
- Execution framework for technical activities as in the SESAR project handbook (available via the link provided by CINEA)



**SESAR 3 JU Website**  
<https://www.sesarju.eu/>

## Other SESAR projects

Communication, Navigation & surveillance (CNS) enablers

CNS enablers  
CEF-T-2022-SIMOBGEN-SESAR-DSD-OP-WORKS

**Performance Based Navigation (PBN regulation)**

- Approach procedures and Terminal Area Optimization
- Equipment of aircraft with SBAS/EGNOS avionics
- Rationalisation of navigation infrastructure

**Datalink Services (DLS Regulation)**

Upgrades in aircraft equipped with avionics compliant with the regulation to resolve identified interoperability issues

**ADS-B (SPI Regulation)**

- Equipping aircraft with avionics
- Optimal combination and rationalisation of surveillance infrastructure (e.g. radars)



## Other SESAR projects

Call specificities

CNS enablers  
CEF-T-2022-SIMOBGEN-SESAR-DSD-OP-WORKS

## Modulated funding rates for CNS projects

- **Airborne equipment:** design of airspace and publication of routes/procedures: up to **50%** the eligible costs
  - **Ground infrastructure:** up to **30%** of the eligible costs
    - + Extra **10%** if includes decommissioning
    - + Extra **10%** if includes synchronization of airborne and ground deployments
  - Works in outermost regions: up to **70%** of the eligible costs
- } Max funding rate = 50%



## Common project one

Commission Implementing Regulation (EU) 2021/116

**CP1 includes 6 ATM functionalities & 20 Sub-functionalities**  
*defining 'What', 'Where', 'When' & 'Who'*

**AF1** Extended AMAN and Integrated AMA/DMAN in the high-density TMA

**AF2** Airport Integration and Throughput

**AF3** Flexible Airspace Management and Free Route Airspace

**AF4** Network Collaborative Management

**AF5** System Wide Information Management (SWIM)

**AF6** Initial Trajectory Information Sharing

**SESAR Deployment Programme**  
*defines 'How' to deploy*



**25 'Families'**  
*local implementation activities*

## Common project one

Commission Implementing Regulation (EU) 2021/116

Common projects  
CEF-T-2022-SIMOBGEN-SESAR-DSD-CP-WORKS

## Priority topics under the call

- AF1** Sub-AF AMAN/DMAN integration
- AF2** Sub-AF airport operations plan
- AF3** Sub-AF free route airspace
- AF4** Sub-AF Collaborative NOP  
Sub-AF AOP/NOP integration
- AF5** Sub-AF Aeronautical Information Exchange  
Sub-AF Flight Information Exchange (Yellow profile)

**AF6** **⏪ Not eligible under this call**

*(with reference to the SESAR Deployment Programme)*

**Family 1.2.1 - AMAN/DMAN integration**

**Family 2.2.2 - Extended AOP**

**Family 3.2.2 - Enhanced FRA Operations**

**Family 4.2.2 - Initial AOP/NOP information sharing**

**Family 4.4.1 - AOP/NOP integration**

**Family 5.3.1 - Aeronautical Information Exchange**

**Family 5.6.1 - Flight Information Exchange**



## Common project one

### Call specificities

Common projects  
CEF-T-2022-SIMOBGEN-SESAR-DSD-CP-WORKS

- The **SESAR Deployment Programme 2022** is the reference for implementation projects
- The **SESAR Deployment Manager** is the coordinator of all implementation projects:



<https://www.sesardeploymentmanager.eu/>

- Clear **Milestones** based on a strict timeframe, including, where appropriate, requests for certification/approval of new infrastructure and functional systems' changes
- Failure to deliver Milestones may entail financial /administrative penalties
- **'Last chance for funding'** approach
- Large projects based on cross-border / multi-stakeholder synchronisation