



FROM INNOVATION TO SOLUTION

SESAR 2020 PROGRAMME OVERVIEW

4 September 2014



founding members



EUROPEAN UNION



EUROCONTROL

SESAR: 2020 Vision



Delivering best-in-class, globally interoperable and high-performing Air Transport for Airspace Users and Citizens

- Enabling the delivery of safe, cost-efficient and environmentally responsible Air Vehicle & ATM operations, systems and services



High Performing Airport Operations

Capacity, Safety,
Environment, Efficient,
Effective, Networked



Optimised ATM Network Services

Collaboration, Balancing
Demand & Capacity,
Environment, Efficiency



Advanced Air Traffic Services

Synchronisation,
Capacity, Safety,
Environment, Cost

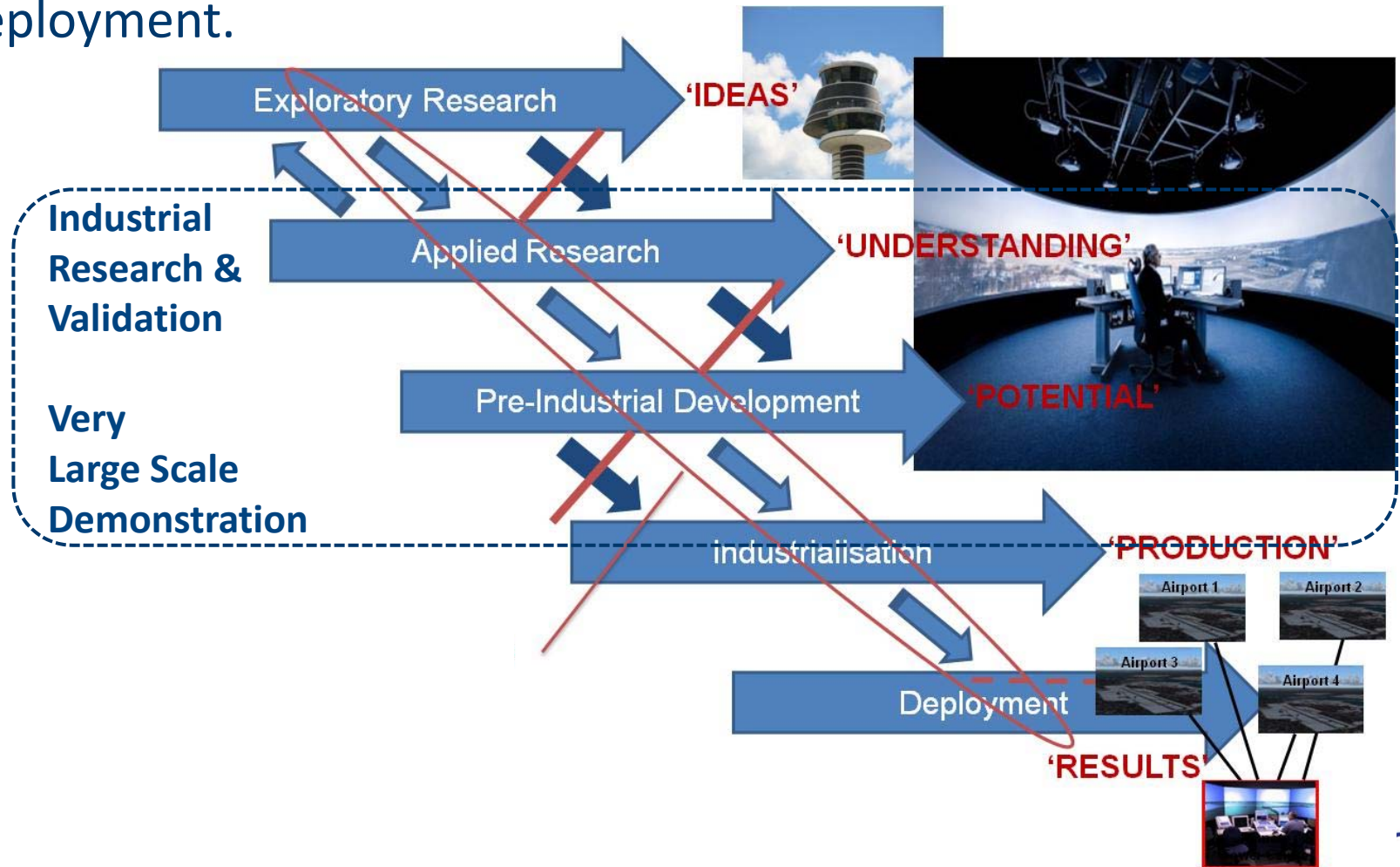


Enabling the Aviation Infrastructure

- Providing shared technical services across the aviation domain
- Communications, positioning, navigation, timing and SWIM information
- Air vehicle operations, systems & services

SESAR: Realising an ATM Innovation Pipeline

- A performance Programme designed to move research from low maturity science to demonstration in preparation for deployment.



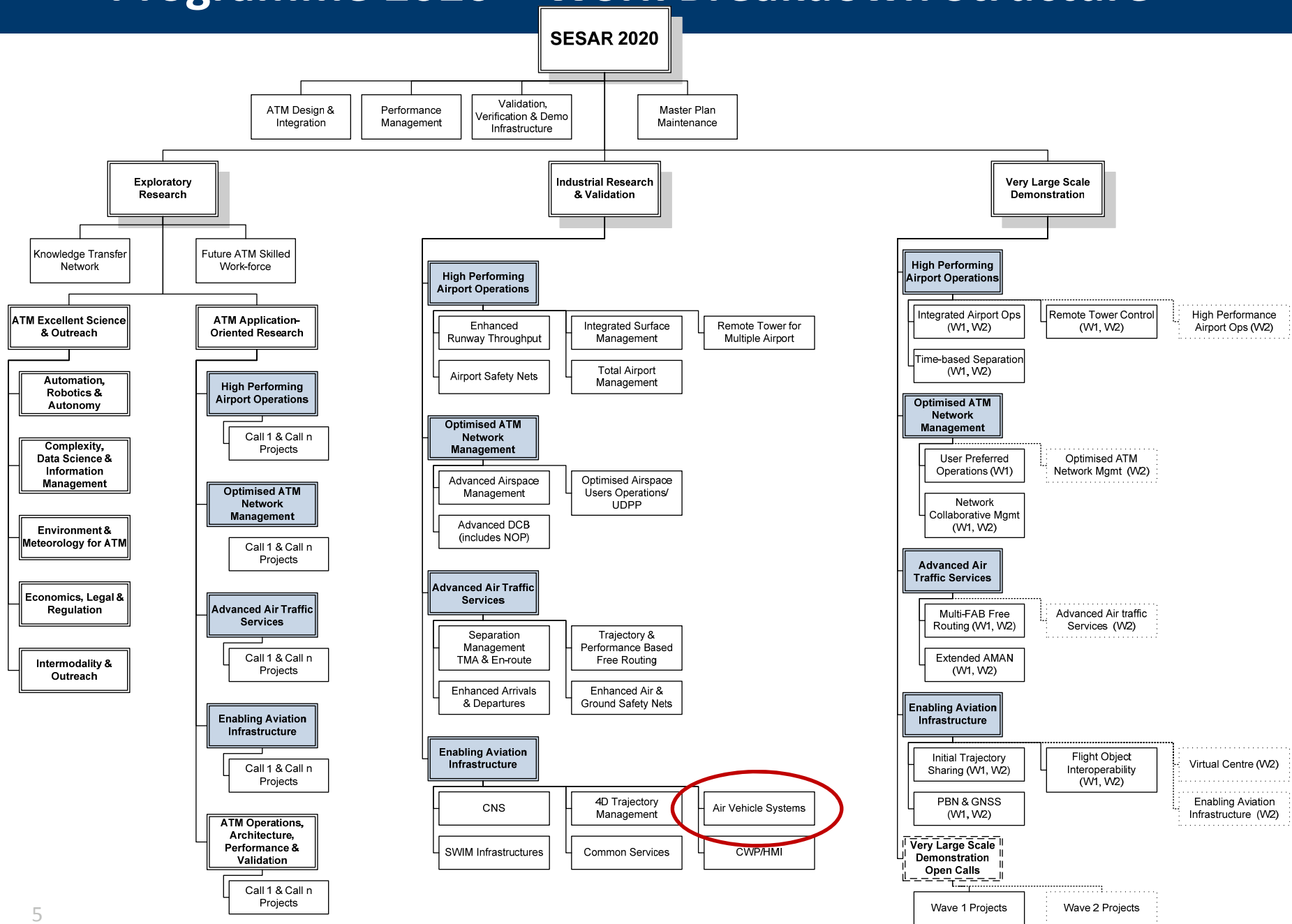
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Three Research Phases of SESAR 2020

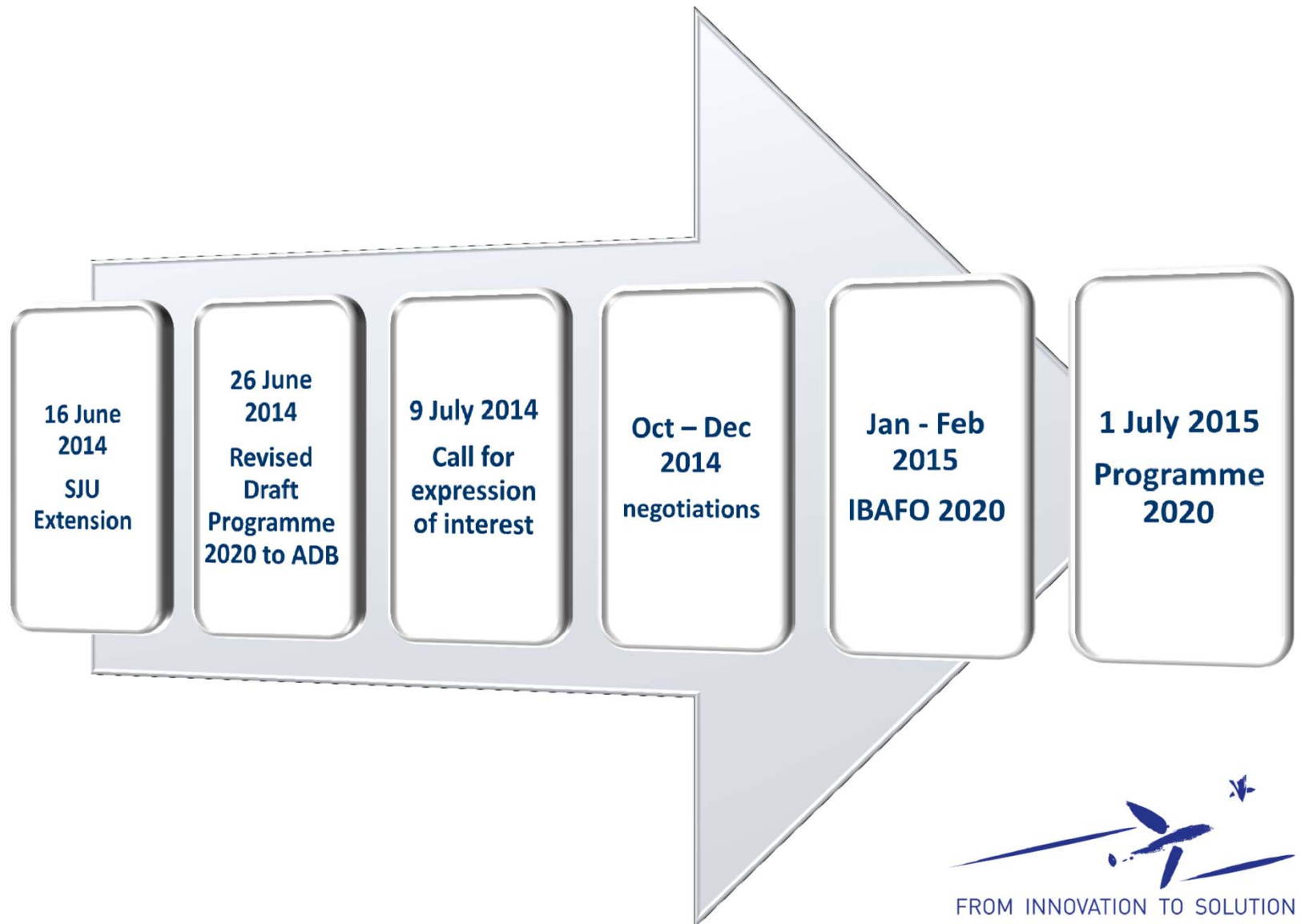
- Exploratory Research
 - Concentrates on early maturity Excellent Science and initial applications to ATM.
 - Uses H2020 open calls.
- Industrial Research & Validation (Applied Research & Pre-industrial Development) through partnership
 - Concentrates on maturing and validating through Applied Research, Pre-Industrial Development and Validation of high benefit applications for ATM.
 - Uses an industrial PPP with involvement of all stakeholders.
- Very Large Scale Demonstration
 - Concentrates on taking the concepts and technology to a wider geographic and stakeholder application
 - The bridge to deployment through risk reduction
 - Uses a mixture of industrial PPP and open calls.



Programme 2020 – Work Breakdown Structure



Building the Partnership for SESAR 2020



Call for Members

- “Call for expressions of interest to become candidate member of the SESAR Joint Undertaking SESAR Research and Innovation Programme 2020 (SESAR 2020)” - *Ref. SJU/LC/0110-CEI*
 - Opened: 9 July 2014
 - Closing: 30 September 2014
- Wide participation and representation of stakeholders from all Member States, including SMEs, through the accession of new members and linked 3rd parties.
 - Balance between airspace users, air navigation service providers, airports, military, professional staff and manufacturers, and offer opportunities to SMEs, academia and research organisations.



Principles of the Call for Membership

- Open call to existing SJU Members and interested new parties
 - ‘candidate Members’
- Invitation to interested parties to propose themselves including their consortia, any Associates and known subcontractors
 - One call for all types
- Candidate Member expression of interest based on the draft 2 of the SESAR 2020 Programme
 - Candidates to describe how they can best help deliver the scope of the SESAR 2020 programme by engaging a wide range of suitable expertise through a partnership





Thank you for your attention

