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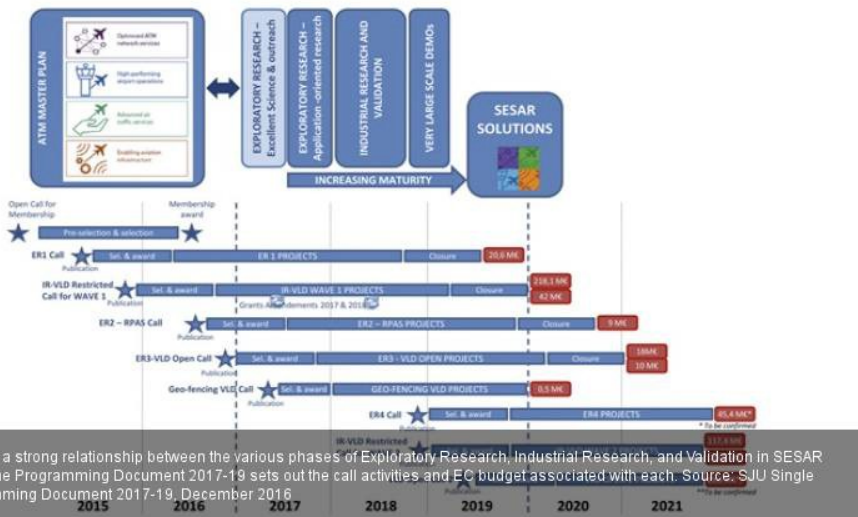
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ATC Europe tightens control on research activities

Jenny Beechener, London - IHS Jane's Airport Review

06 February 2017

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There is a strong relationship between the various phases of Exploratory Research, Industrial Research, and Validation in SESAR 2020. The Programming Document 2017-19 sets out the call activities and EC budget associated with each. Source: SJU Single Programming Document 2017-19, December 2016

SESAR 2020 introduces new priorities for European research

The European modernisation programme SESAR completed the first wave of research and innovation projects in 2016, and launched the SESAR 2020 successor programme, aligned with the European ATM Master Plan and Single European Sky (SES) objectives. The programme is backed by EUR1.6 billion (USD1.7 billion) in funding, sourced from the European Commission (EC) and contributions in kind by Eurocontrol and industry members, and runs until 2024. It introduces new targets, one of which is a more streamlined approach to projects and closer links between development and deployment.

In place of more than 300 SESAR 1 projects, SESAR 2020 will have around 100 larger projects. These are arranged in three strands. "The aim is to create an innovation pipeline," SESAR Joint Undertaking (SJU) ATM Chief David Bowen told *Jane's*. "Ideas can be developed in Exploratory Research, and potentially brought into the Industrial Research strand once they are mature." The solutions are then tested by means of Very Large-Scale Demonstrations (VLDs), which bring together multiple actors in an operational environment.

Exploratory Research plays a larger role than previously, and includes not just primary scientific research, but also application oriented research. "We felt the flow of outputs from Exploratory Research into the next stages of Industrial Research was difficult to enable," Bowen added. "In the new programme we still pursue long-term science projects, but we have added some direct applicability to existing threads - for example airport operations. That gives us a more tangible way to link research work with the next wave of Industrial Research."

The budget for Exploratory Research has quadrupled from EUR20 million to EUR85 million in SESAR 2020, split between four calls. The first resulted in 27 projects awarded in early 2016 worth EUR20 million. A second call worth EUR9 million concluded in January 2017, oriented specifically to drones, and aims to stimulate initial solutions for drone traffic management.

See related article at: <http://www.ihsairport360.com/article/8474/cesar-deployment->

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ABEID AMANI KARUME INTL

ZNZ/HTZA AIRFIELD REF PT.: S06 13.20 E039 13.30 ELEVATION : 54' 16m CFR : 9 MAX RWY LENGTH : 9,865' 3,007 m General Information SURFACE : Rwy 18/36, 9,865' 3,007 m, width 148' 45 m, asphalt, PCN 42 F/A/W/T. ADDITIONAL RUNWAYS : None. RUNWAY LIGHTING : Rwy 18: LIRL, SALS, PAPI. Rwy 36: LIRL, SALS,

AIR FORCE BASE WATERKLOOF

WKF/FAWK AIRFIELD REF PT.: S25 49.48 E028 13.21 ELEVATION : 4940' 1506m CFR : 0 MAX RWY LENGTH : 11,000' 3,353m General Information SURFACE : Rwy 01/19, 11,001' 3,353 m, width 148' 45 m, asphalt. ADDITIONAL RUNWAYS : Rwy 06/24 6,299' 1920 m width 148' 45 m, asphalt NAVIGATION AIDS : VORTAC

BENINA INTL [✈](#)

BEN/HLLB AIRFIELD REF PT.: N32 05.49 E020 16.10 ELEVATION : 433' 132m CFR : 0 MAX RWY LENGTH : 11, 732' 3,576 m General Information SURFACE : Rwy 15R/33L, 11, 732' 3,576 m, width 148' 45 m, asphalt. ADDITIONAL RUNWAYS : Rwy 15L/33R, 11, 732' 3,576 m, width 148' 45 m, asphalt. NEAREST TOWN/CITY :

CAM LY DALAT [✈](#)

None/VVCL AIRFIELD REF PT.: N11 56.34 W108 24.54 ELEVATION : 4937' 1505m CFR : 0 MAX RWY LENGTH : 4,560' 1,390 m General Information SURFACE : Rwy 10L/28R, 4,560' 1,390 m, asphalt NAVIGATION AIDS : NDB (ID DL, 385 kHz). FREQUENCY : 118.3 MHz. ALTERNATIVE NAME(S) : Dalat. NEAREST TOWN/CITY :

CAT BI INTL [✈](#)

None/VVCI AIRFIELD REF PT.: N20 49.09 E106 43.29 ELEVATION : 13' 4m CFR : 0 MAX RWY LENGTH : 10,007' 3,050 m General Information SURFACE : Rwy 07/25, 10,007' 3,050 m, asphalt. NAVIGATION AIDS : VOR-DME, NDB. NEAREST TOWN/CITY : Catbi. AIRFIELD OPERATOR : Northern Airports Services Company, Hai

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