

Los RPAS en el Cielo Único Europeo: Investigación pasada, presente y futura

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Congreso sobre las Aplicaciones de los DRONES a la Ingeniería Civil

26 - 27 febrero 2019



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¿Qué es el Cielo Único Europeo?



EUROPEAN UNION

31.3.2004 EN Official Journal of the European Union L 96/1

I

(Acts whose publication is obligatory)

REGULATION (EC) No 549/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 10 March 2004

laying down the framework for the creation of the single European sky

(the framework Regulation)

(Text with EEA relevance)

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty establishing the European Community, and in particular Article 80(2) thereof,

Having regard to the proposal from the Commission ⁽¹⁾,

Having regard to the opinion of the European Economic and Social Committee ⁽²⁾,

Having regard to the opinion of the Committee of the Regions ⁽³⁾,

Acting in accordance with the procedure laid down in Article 251 of the Treaty ⁽⁴⁾, in the light of the joint text approved by the Conciliation Committee on 11 December 2003,

Whereas:

(1) Implementation of the common transport policy requires an efficient air transport system allowing safe and regular operation of air transport services, thus facilitating the free movement of goods, persons and services.

(2) At its Extraordinary Meeting in Lisbon on 23 and 24 March 2000, the European Council called on the Commission to put forward proposals on airspace

⁽¹⁾ OJ C 103 E, 30.4.2002, p. 1.

⁽²⁾ OJ C 241, 7.10.2002, p. 24.

⁽³⁾ OJ C 278, 14.11.2002, p. 13.

⁽⁴⁾ Opinion of the European Parliament of 3 September 2002 (OJ C 272 E, 13.11.2003, p. 296), Council common position of 18 March 2003 (OJ C 129 E, 3.6.2003, p. 1) and position of the European Parliament of 3 July 2003 (not yet published in the Official Journal), Legislative resolution of the European Parliament of 29 January 2004 and Decision of the Council of 2 February 2004.

management, air traffic control and air traffic flow management, based on the work of the High Level Group on the single European sky set up by the Commission. This Group, made up largely of the civil and military air navigation authorities in the Member States, submitted its report in November 2000.

(3) Smooth operation of the air transport system requires a consistent, high level of safety in air navigation services allowing optimum use of Europe's airspace and a consistent, high level of safety in air travel, in keeping with the duty of general interest of air navigation services, including public service obligations. It should therefore be carried out to the highest standards of responsibility and competence.

(4) The single European sky initiative should be developed in line with the obligations stemming from the membership of the Community and its Member States of Eurocontrol, and in line with the principles laid down by the 1944 Chicago Convention on International Civil Aviation.

(5) Decisions relating to the content, scope or carrying out of military operations and training do not fall within the sphere of competence of the Community.

(6) The Member States have adopted a general statement on military issues related to the single European sky ⁽⁵⁾. According to this statement, Member States should, in particular, enhance civil-military cooperation and, if and

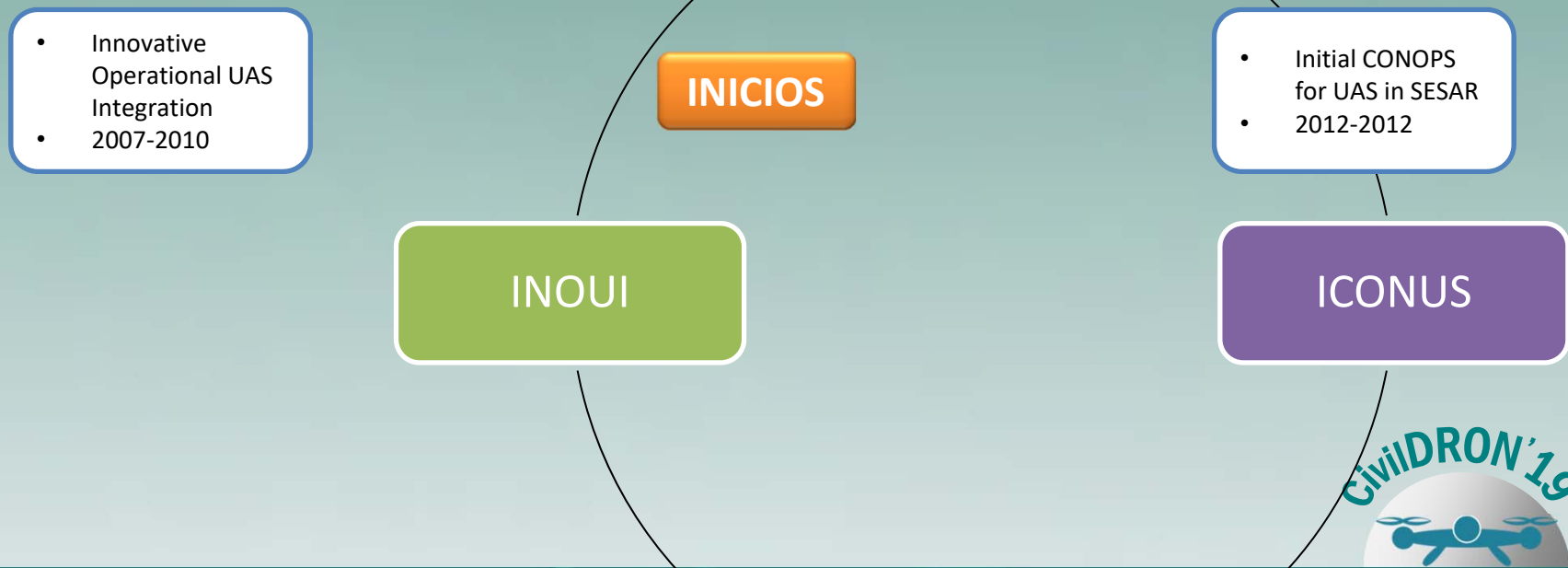
⁽⁵⁾ See page 9 of this Official Journal.



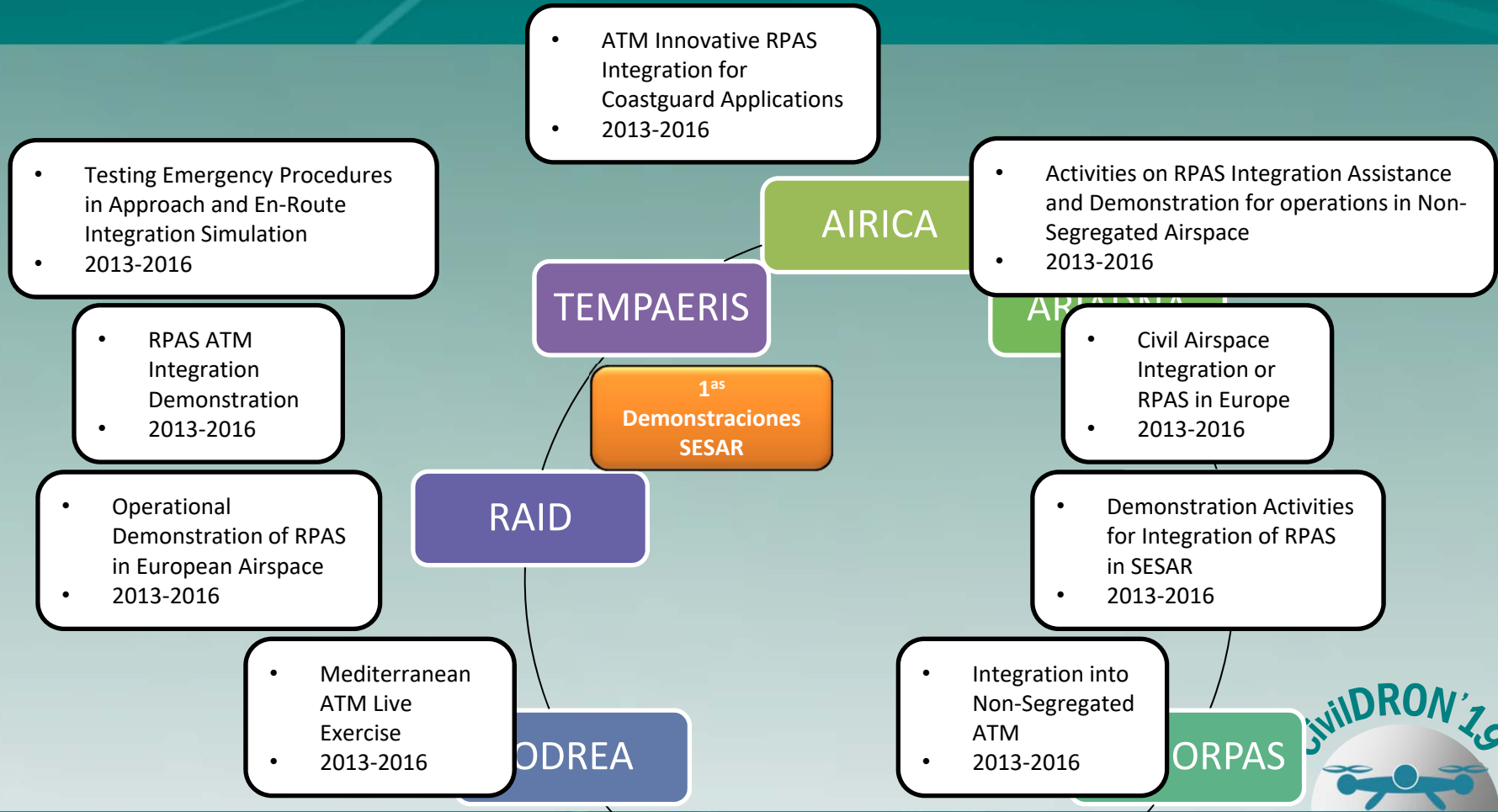
EUROPEAN UNION



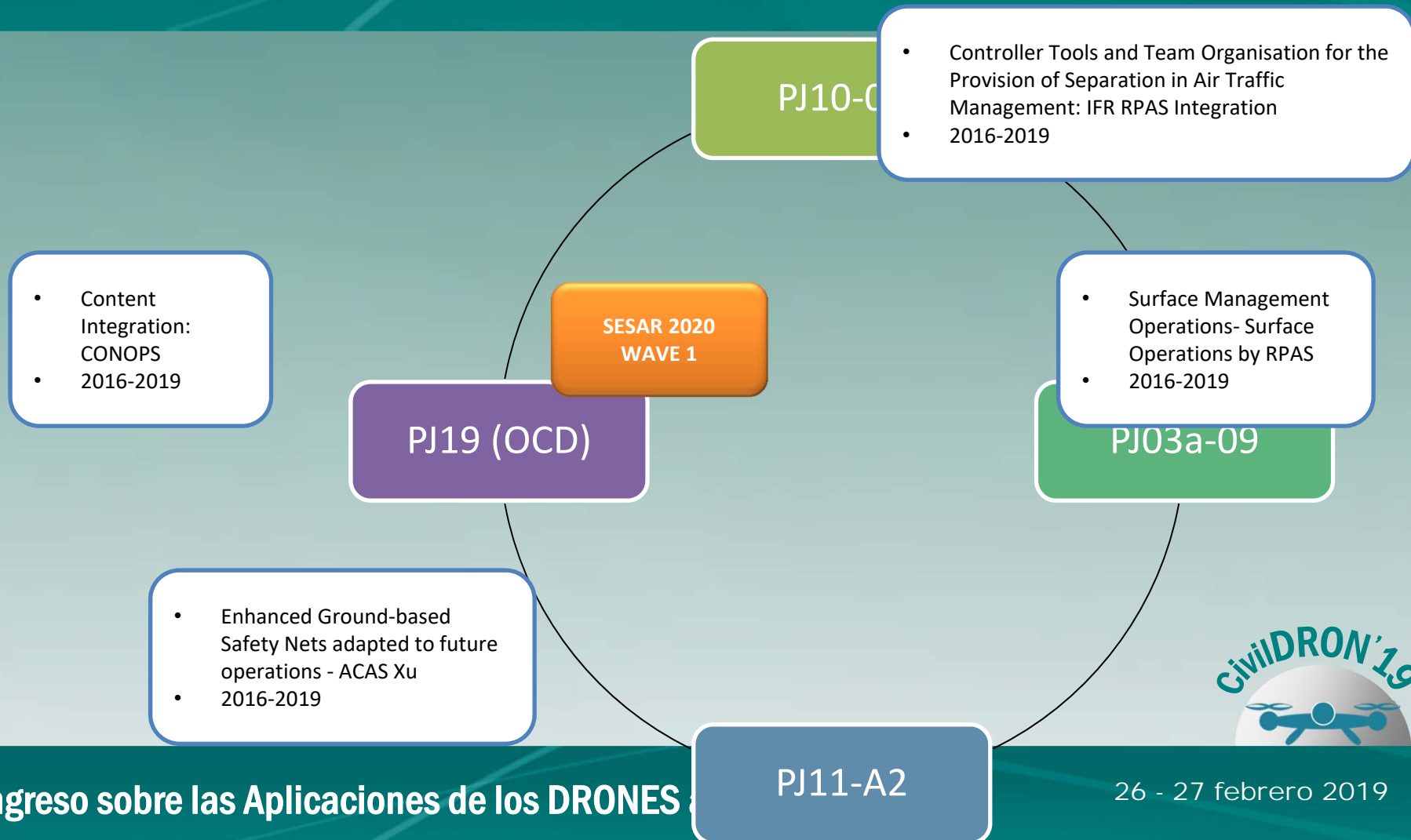
Investigación pasada (1/2)



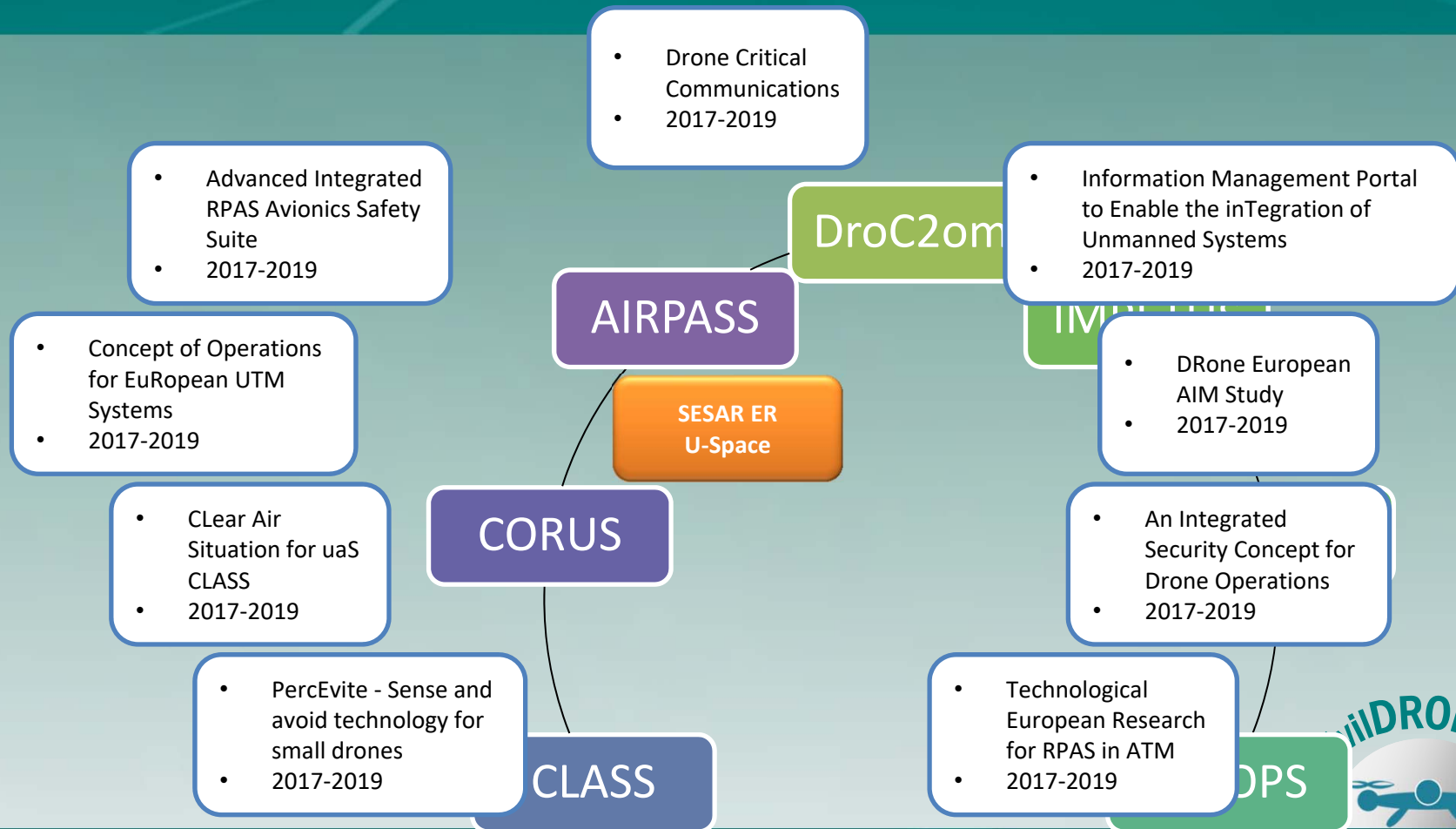
Investigación pasada (2/2)



Investigación presente (1/4)



Investigación presente (2/4)



Investigación presente (3/4)

- Geofencing for safe and autonomous flight in Europe
- 2017-2019

GEOSAFE

Demostraciones
SESAR

- Activities on drone integration and demonstration in VLL operations
- 2017-2019

- Proving Operations of Drones with Initial UTM
- 2017-2019



Congreso sobre las Aplicaciones

SAFEDRONE

Ingeniería Civil

PODIUM

Investigación presente (4/4)

- D-flight internet of drones environment
- 2018-2020

DIODE

- Validation of U-space by tests in urban and rural areas
- 2018-2020

VUTURA

Demostraciones U-Space SESAR

DOMUS

- Demonstration of multiple U-space suppliers
- 2018-2020

- Safe and flexible integration of Initial U-space services in a real environment
- 2018-2020

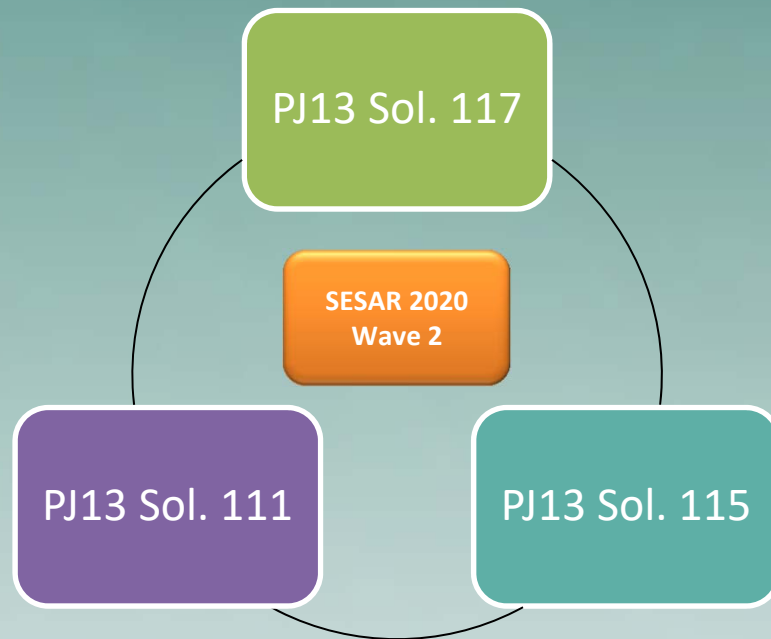
- A European UTM testbed for U-space
- 2018-2020

- Finnish-Estonian "Gulf of Finland" very large U-space demonstration
- 2018-2020

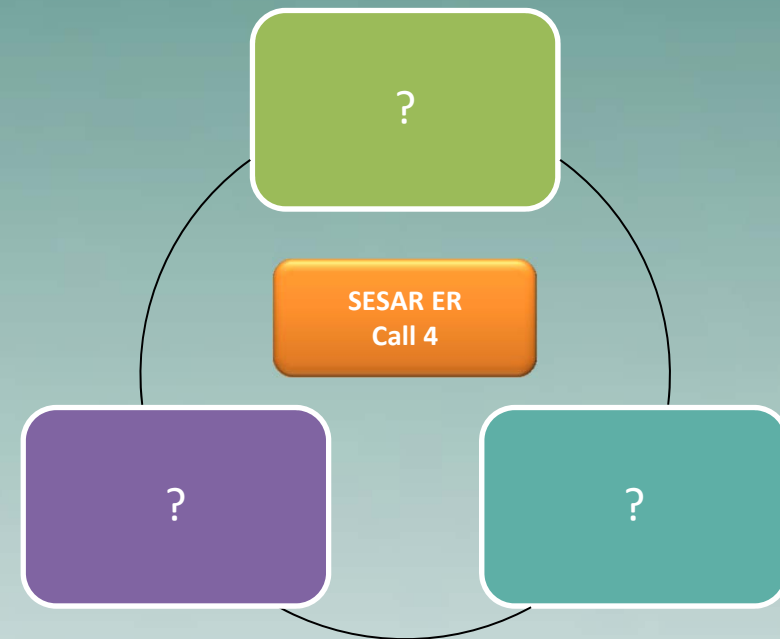
EuroDRONE



Investigación futura



EN PREPARACIÓN



PRÓXIMAMENTE





**¡GRACIAS POR
SU ATENCIÓN!**



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