



## INDTECH2018

### Innovative industries for smart growth

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Vienna, Austria

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#### PILLAR 3

##### Session 3.4

Clean Sky – the PPP in Aeronautics

Bruno Mastantuono, Legal & Strategy Advisor

Clean Sky 2 Joint Undertaking (CS2JU)

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*The information contained in this presentation is not legally binding on the CSJU*



## Clean Sky – the PPP in Aeronautics

- “**Joint Technology Initiative**” - crucial to develop integrated technologies, industry-led up to full scale demonstrators (up to TRL 6)
- **Clean Sky 2 (H2020)** budget of 4 B €  
(1.8 € EU funding + 2.2 B € of private contribution)
- Mission-oriented with focus on **environmental objectives** with measurable targets, European **industrial leadership** and **competitiveness** in aeronautics
- Main European programme for greening aviation and to support the goals of **Paris Agreement COP21**



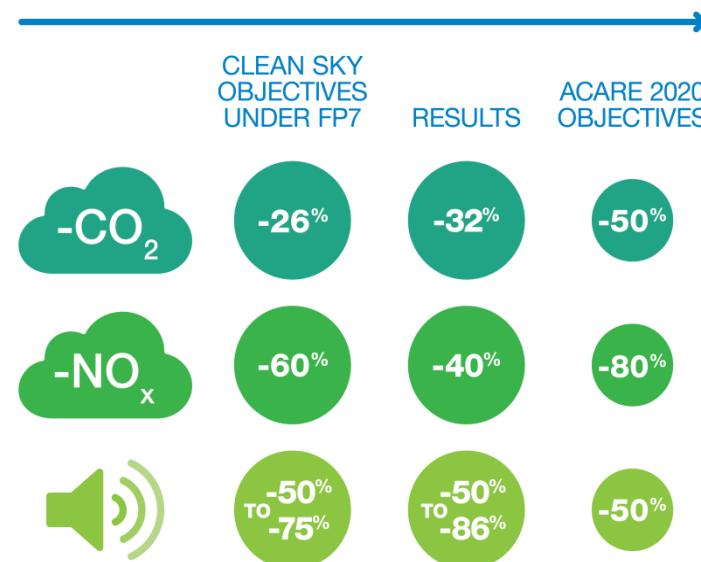
**Clean Sky is a Joint Undertaking established under Article 187 TFEU**



## Clean Sky and Clean Sky 2

Clean Sky is the largest European demonstration programme **to accelerate the development, integration and demonstration of novel technologies capable of**

### CLEAN SKY OBJECTIVES 2008-2017



### CLEAN SKY 2 OBJECTIVES





## Clean Sky

an open ecosystem

wide Member States and  
stakeholders participation

Clean Sky 1	Clean Sky 2
696 entities	> 650 entities (by May 2018)
12 Leaders	16 Leaders
74 Associates	192 Core Partners via open calls
610 Partners via open calls	> 500 Partners via open calls

**912 participations** (over 500 unique entities)\*



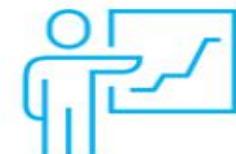
**250**

INDUSTRY MEMBERS



**246**

SMEs



**232**

RESEARCH CENTRES



**184**

UNIVERSITIES



**27**

COUNTRIES



**107**

REGIONS



**275**

GRANTS



## Flagships – delivering key results



### BLADE A340-300 MSN001 in flight

FIRST FLIGHT - 26 September 2017



Federal Ministry  
Republic of Austria  
Transport, Innovation  
and Technology

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This project has  
innovation progr



Contra Rotating Open Rotor  
Full scale test rig in Istres



## Governance – “States Representative Group”

A statutory “advisory body” set in the JU basic act with a **key role and effective contribution**:

- which allows Member States to participate actively in the **definition of JU processes**
- **The JU seeks SRG opinions** on the Programme progress/development, work plans, calls, topics..
- The JU keeps **SRG informed on all key aspects** (i.e progress reports, results of the calls..)
- The SRG takes initiatives and issue **recommendations**, SRG Chair participates in the **Governing Board**
- The SRG plays a key role in identifying possible **interfaces with National Programmes ( SRG WG on synergies )**



## Synergies with National Programmes

**WG on synergies** established under the “State Representative Group”

**Mission:** reinforce exchange of information on national programmes and identify areas of cooperation:

**1<sup>st</sup> step:** mapping exercise on national roadmaps/programmes / funding instruments

**2<sup>nd</sup> step:** “Country Fiches” with data on national projects with links to Clean Sky R&I agenda/objectives

**3<sup>rd</sup> step:** data analysis, recommendations and actions for more alignment with National programmes



## Synergies with other programmes

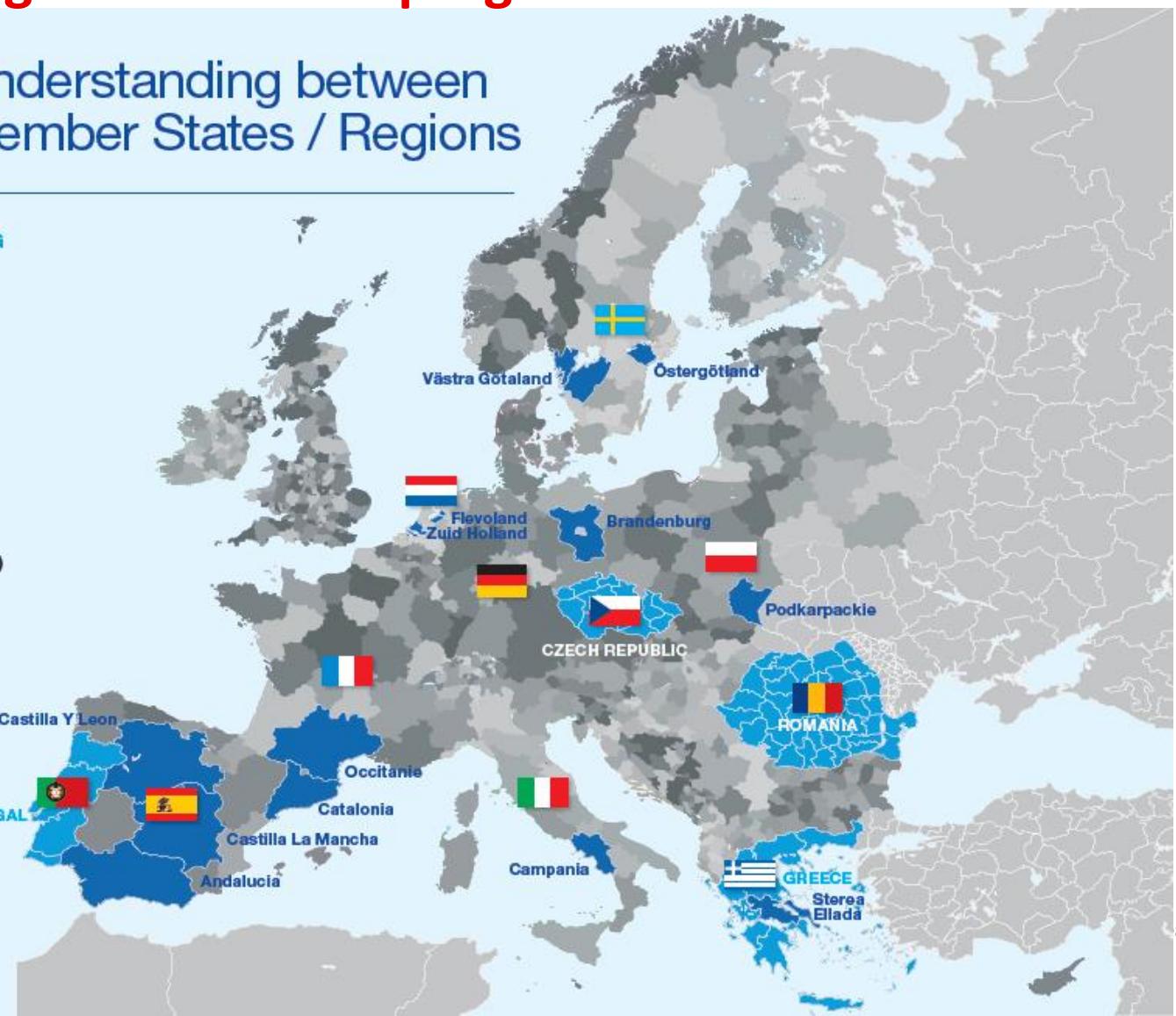
### Memoranda of Understanding between Clean Sky and Member States / Regions

#### 17 MEMORANDA OF UNDERSTANDING AT NATIONAL OR REGIONAL LEVEL

- OCCITANIE (FR)
- CATALUNYA (ES)
- CASTILLA LA MANCHA (ES)
- VÄSTRA GÖTALAND (SE)
- ÖSTERGÖTALAND (SE)
- ROMANIA (NATIONAL LEVEL)
- ANDALUCÍA (ES)
- CAMPANIA (IT)
- CZECH REPUBLIC (NATIONAL LEVEL)
- ZUID-HOLLANDE (NL)
- FLEVOLAND (NL)
- PORTUGAL (NATIONAL LEVEL)
- CASTILLA Y LEON (ES)
- PODKARPACKIE (PL)
- GREECE (NATIONAL LEVEL)
- STEREA ELLADA (GR)
- BRANDENBURG (DE)

■ Countries with a MoU in place

■ Regions with a MoU in place



arch and



## The Clean Sky MoU model on synergies

**17 MoU** partnerships in force :

- 11 Member States covered
- 4 MoU at National Level (PT, RO, CZ, GR)
- 3 MoU with EU-13
- Flexible model and open to more MS and Regions willing to join

### Main objectives:

- Exchange on strategies/RIS3 priorities to pursue better strategic alignment of EU, National/Regional roadmaps
- Co-design ERDF/Regional funding mechanisms to support projects complementing Clean Sky roadmap (ex. Czech Republic national complementary call to Clean Sky, Occitanie, Andalucía and Campania regional calls etc)



## Some considerations on PPPs/JUs model

- the right framework to **co-design with the public an industrial strategy linked to EU policies and leverage private R&I investments on a strategic roadmap**
- Open platforms **for long-term cooperation with European strategic industrial sectors to meet key R&I challenges** and for effective synergies with Member States and Regions



## Some considerations on co-programming/synergies

- Identification of **upstream synergies** between a PPPs/JUs and National Programmes/ESIF plans must be done when programmes are being built → **political support is key**
- **Preparatory work** needed early in the process to build a PPP/JU R&I roadmap showing interfaces with National Programmes and areas for fostering synergies
- Essential to **provide the PPPs/JUs with necessary instruments and flexibility** to catalize investments/resources on key R&I areas of intervention and foster synergies by allowing **combination of funding streams**



## Some considerations on PPPs/JUs governance

- Consider a lean governance framework for an “**effective**” role and cooperation with MS
- Ensure a lean **PPP decision-making process**
- **ESIF specific:** establish in the design of **RIS3 and ERDF Operational Programmes** links with JUs based on common priorities → take commitments
- **ESIF specific:** MS/Regions should consider when designing the Operational Programmes post-2020 the option to **transfer up to 5% of funds to EU Programmes** such as JUs to support national/regional projects

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