



Clean Sky 2

Innovation Takes Off

Clean Sky - Áttekintés

Info Day – 2015. december 11.

Előadó:

**Gurály Roland
Slot Consulting Kft.**

Clean Sky egy mondattban



**Most ambitious European aeronautical
research programme...**

MISSION

Develop breakthrough technologies to significantly increase the environmental performances of airplanes and air transport, resulting in less noisy and more fuel efficient aircraft, hence bringing a key contribution in achieving the Single European Sky environmental objectives.

Clean Sky JTI

Joint Technology Initiative



- ❖ **Born in 2008**
- ❖ **Public-Private Partnership between the European Commission and the industry.**
- ❖ **It is managed by the Clean Sky Joint Undertaking (CSJU) until 31 December 2017.**

The CSJU will deliver demonstrators in all segments of civil air transport, grouped into six technological areas called 'Integrated Technology Demonstrators' (ITD).

Az ITD élén...



Each ITD is led by two industry leaders that are committed for the full duration of the CSJU. They are the founding members (with the European Union) of the CSJU.



Finanszírozás



Clean Sky JTI was born in 2008 with a budget of € 1.6 billion, contributed to on a 50/50 basis by the Commission (in cash) and the aeronautical industry (in-kind contribution). ITD Leaders commit up to 50%, Associates members up to 25% and Partners (through Call for Proposals) a minimum of 25%.

Clean Sky: a broad and open participation

- ✓ About us
 - Background
 - Mission & Objectives
 - Organisation
 - Governing Board
 - Clean Sky Team
 - History
 - Admin essentials



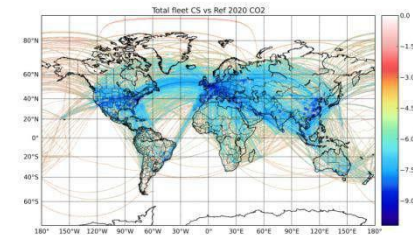
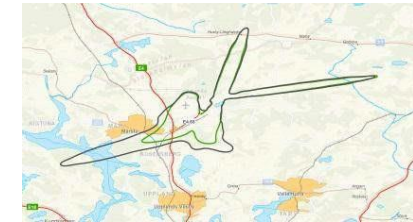
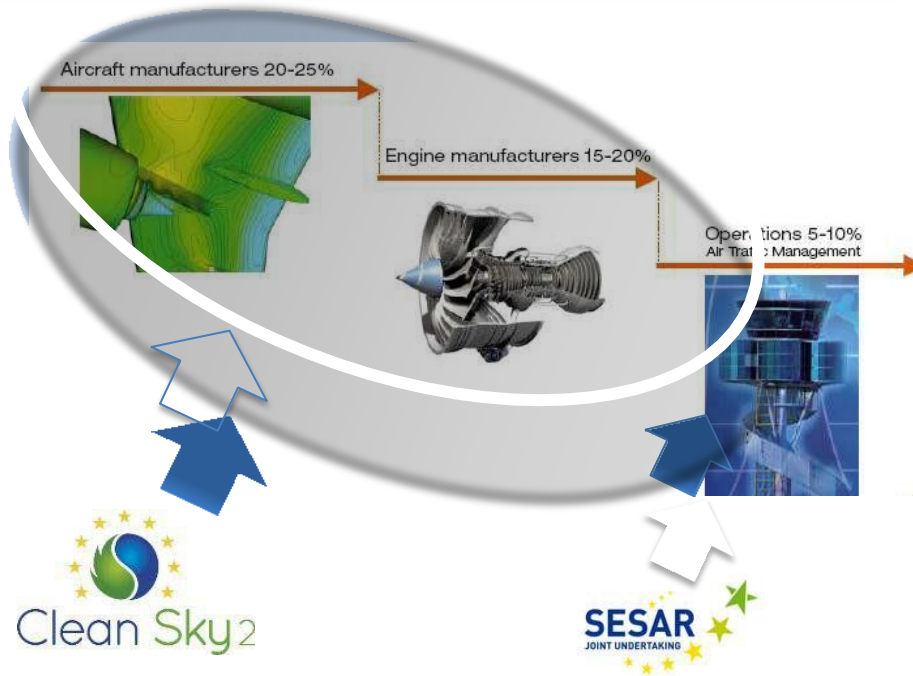
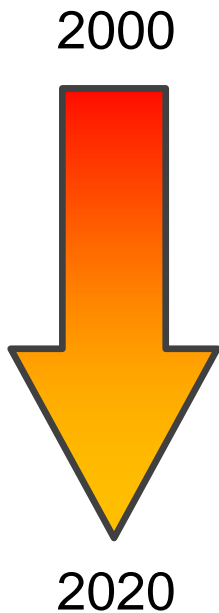
- 473 Partners through calls representing 25% of funding
- 65 Associates representing 25% of funding
- 12 ITD leaders representing 50% of funding

<http://www.cleansky.eu/content/homepage/about-us>

Clean Sky JTI – Eddig jó eredmények, de új határok hívnak

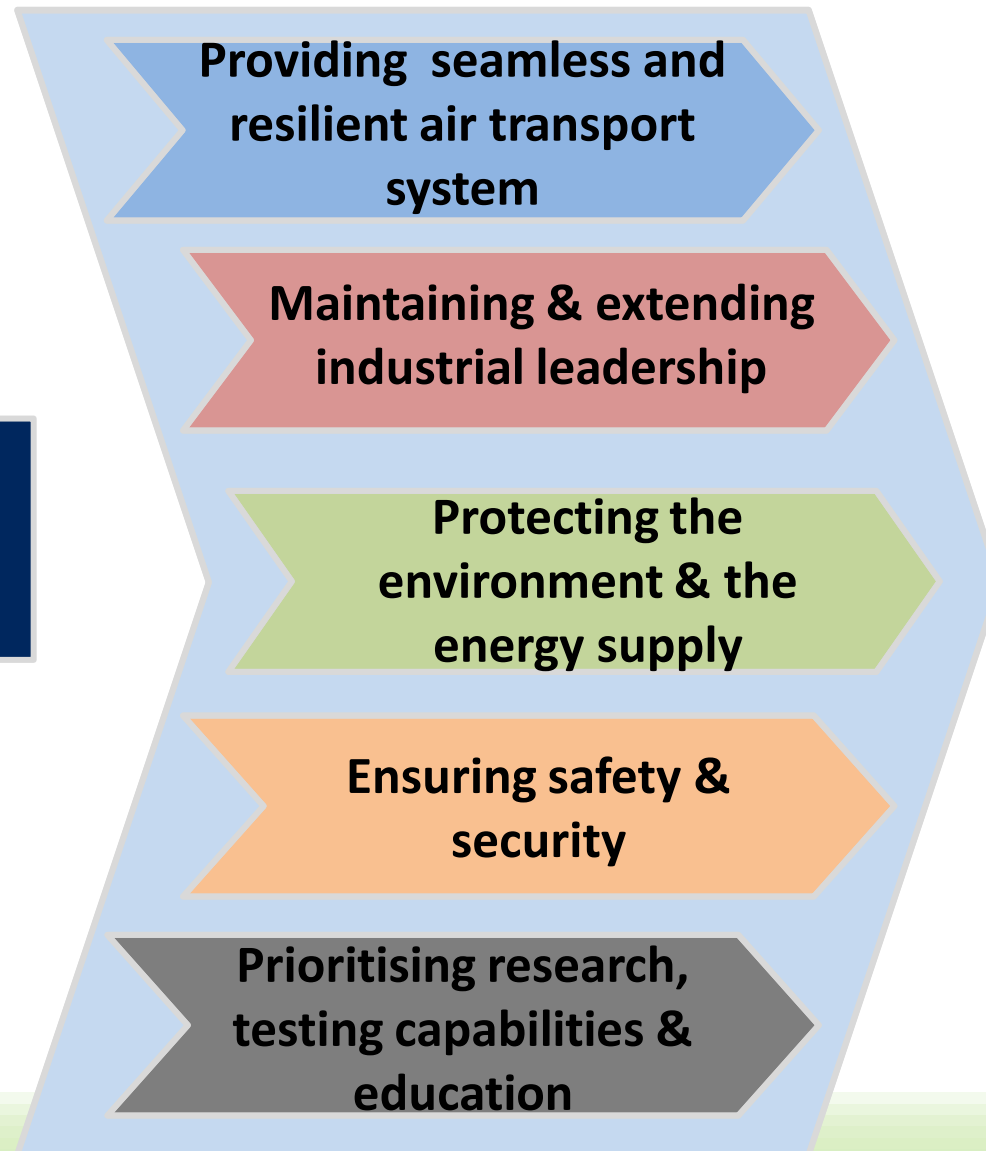


EXAMPLE: Breakdown of ACARE 2020 50% CO₂ reduction targeted



1. **Bridging the gap: FP7 & Clean Sky end well before 2020**
 - Further demonstration required to achieve a full TRL6
 - Further gains needed to reach the ACARE 2020 Goals,
2. **Growing competition**
3. **New and ambitious goals in ACARE SRIA (2035 / 2050)**

Megújult ACARE SRIA 2050 irányában



Válasz a H2020 kihívásaira



“Smart Green and Integrated Transport”

- **Resource efficient transport that respects the environment**
- **Ensuring safe and seamless mobility**
- **Building industrial leadership in Europe**



Enhancing and leveraging innovation capability across Europe, with a strong emphasis on SME participation



Leveraging private sector initiatives, and (important!) building on MS national and regional efforts



Clean Sky 2

Clean Sky 2 Program felépítése

EU Funding Decision
1.755bn€
(1.716bn€ "net")*
* After running costs

Vehicle IADPs

Fast Rotorcraft
Agusta
Westland
Eurocopter

Passenger Aircraft
Airbus

Regional Aircraft
Alenia
Aermacchi

Large Systems ITDs

Eco-Design
Fraunhofer Gesellschaft

Airframe ITD
Dassault – EADS-CASA – Saab

Engines ITD
Safran – Rolls-Royce – MTU

Systems ITD
Thales – Liebherr

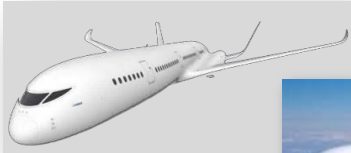
Small Air Transport
Evektor – Piaggio

Technology Evaluator (TE)
German Aerospace Center (DLR)

Válasz a H2020 közlekedési kihívásaira



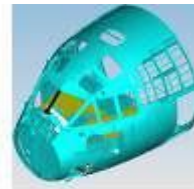
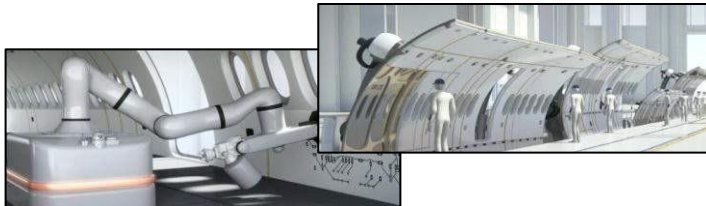
Energy Efficiency & Environment



Enabling Safe & Seamless Mobility



Building industrial leadership in Europe



CS2 részvétel



- **Up to 40% of EU funding available for CS2 Leaders**
- **At least 60% of EU funding open to competition:**
- **Up to 30% for Core Partners (becoming Members once selected)**
- **At least 30% for CfP (i.e. Partners as in CS) plus CfTs**
- **Meaning >1bn€ of EU funding in play, via open Calls**



Industry, SMEs, Academia, and Research Organizations eligible both for participation as Core Partners or Partners. Participation may also take place via suitable Clusters / Consortia.



800 – 1000 Participants expected across all tiers of the industrial supply chain and “R&I Chain”, with large investment leverage effect

Hogyan legyünk partnerek a Clean Sky 2-ben?

Mechanizmus és a jelentkezési folyamat



- **Explanation of forms required**
- **Concepts such as the Participant Portal, ECAS ID and PIC**
- **Demonstration of Submission system**

Single On-Line system for all H2020 involvement – Participant Portal

- **Funding / Call Searches**
- **Proposal Submission**
- **Project Management**
- **Evaluator Activities**
- **Single User Experience**
- **Generic system, some compromises**

Mechanizmus és jelentkezési folyamat

1/5



- **Access to the PP via ECAS ID**
- **European Commission Authentication System**
- **Unique Identifier is your e-mail address so be consistent in using it.**

Mechanizmus és jelentkezési folyamat

2/5



- **PIC – Participant Identity Code**
- **Unique per Legal Entity – Avoid duplicates**
- **Temporary versus validated PIC**

Mechanizmus és jelentkezési folyamat

3/5



- **On-line Submission of Proposals only**
- **No other method, e-mail, etc.**
- **Deadline is absolute (Brussels Time)**

Mechanizmus és jelentkezési folyamat

4/5



- **All Call Documents on web site**
- **Lot of information but needs to be read**
- **All information can be downloaded including static versions of on-line forms for preparatory information gathering**

Mechanizmus és jelentkezési folyamat

5/5



- **On-line forms and uploaded documents**
- **Form “A” and Forms “B.I”, “B.II” etc.**
- **Respect size and page limits. Do not use tiny fonts or links to unofficial annexes**
- **Validate formats as you progress – not at the last minute**
- **Can save / submit and revise many times**

Hivatkozások



**There now follows a live demonstration of the
PP & Submission System using the links
below**

www.cleansky.eu

(Navigate to the "Calls" page)

- **Use the link below to request a PIC if needed.**
- **<http://ec.europa.eu/research/participants/portal/desktop/en/organisations/register.html>**

Clean Sky események

1/2



AEGATS '16

12/04/2016 - 14/04/2016

AEGATS'16 - Advanced Aircraft Efficiency in a Global Air Transport System Conference, Paris, France More information on www.aegats.com

OBJECTIVES

Passenger Friendly Air Transportation

This inaugural conference will bring together scientists, innovators, designers, manufacturers and operators from the aviation world.

The conference will focus on proactive ways to enhance aircraft efficiency for an advanced air transport system, whilst maintaining a high level of proficiency of all the players.

Clean Sky események

2/2



SAT (Small Air Transport) Workshop

04/02/2016 - 05/02/2016

Clean Sky, together with the Institute of Aviation in Warsaw, are holding a Workshop on SAT (Small Air Transport) on 4th-5th of February 2016. The event will take place at the Institute of Aviation...

More information at:

<http://www.cleansky.eu/lists/events>

Köszönöm a figyelmet!



Disclaimer

- The selection of Core Partners will be based on Horizon 2020 Rules for Participation, the rules for submission of proposals, evaluation and selection of Core Partners as adopted by the Governing Board of Clean Sky 2 JU and will apply to the calls for Core Partners
- The content of this presentation is not legally binding. This presentation wishes to provide a preliminary overview of these rules.
- The proposed content/approach is based on the consultation with the “National States Representative Group” and the “Task Force” of the Clean Sky 2 Programme Programme