

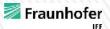
This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Grant agreement No 724034



# **AERO-UA Project**





















## **AERO-UA** at a glance

Type: Coordination and Support Action

Project start: 01-10-2016

Duration: 3 years

## **Partners:**

### **European Partners**













#### **Ukrainian Partners**













## **Project background**





Call topic: MG-1.5-2016-2017
Identification of gaps, barriers and needs in the aviation research

<u>Scope:</u> Identification of barriers for increased collaboration in aviation research at EU level involving countries and regions with lower participation in the EU Framework Programmes and recently Associated Countries such as Ukraine.

AERO-UA focuses solely on Ukraine, because it has a huge aerospace potential but a comparatively low level of aviation research collaboration with the EU



**Antonov AN-225 Mriya** 

# **Project Aim and Objectives**



Overall aim of the AERO-UA project is to stimulate aviation research collaboration between the EU and Ukraine through strategic and targeted support.

## **High-level project objectives:**

- 1. Identify barriers to increased EU-UA aviation research collaboration
- 2. Provide strategic support to EU-UA aviation research collaboration
- 3. Support EU-UA aviation research knowledge transfer pilot projects
- 4. Organize awareness-raising and networking between EU-UA stakeholders



# **Main Project Activities (1)**



#### **Barriers and recommendations**



- Identification and analysis of barriers to increased EU-UA collaboration through survey of key aeronautics actors and interview of stakeholders
- Formulation of recommendations on collaboration enhancement and their communication to decision-making bodies

## **Strategic and targeted support**



- Facilitation of Ukrainian representatives involvement in EU aviation research decision-bodies and key aeronautical networks
- Grants for travel to EU for research networking purposes

## Capabilities promotion, awareness raising and networking



- Promotion of UA aeronautic research groups capabilities through Ukrainian Aeronautics Brochure
- Information and networking events in Ukraine, factory tours and technical visits

# **Main Project Activities (2)**





# Aviation research knowledge transfer **pilot projects** between UA and EU project partners

## **Pilot projects in Aerostructures**

- 1. Advanced design of aerospace composite structures
- 2. Aerospace composite structural health monitoring system

## **Pilot projects in Aeroengines**

- 1. Engine health management system
- 2. Advanced low-cost small turbine

## Pilot projects in aerospace manufacturing

- 1. Manufacturing joints
- 2. Manufacturing aerospace composite structures



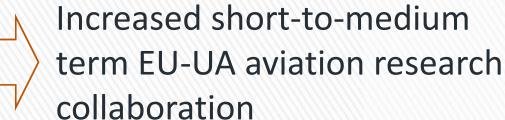




# **Expected Project Impacts**



# **VERO-UA**



Increased medium-to-long term
EU-UA aviation research

collaboration

Support to achieving Flightpath 2050 goals

Support to implementing EU-UA association agreement articles

# **Performance Indicators**



Indicator	Target
No. of UA aeronautics actors completing survey questionnaire	100
No. of new UA aeronautics technology-offers published by EEN	15
No. of new UA memberships of EASN	10
No. of new UA associated memberships of PEGASUS	2
No. of travel grants distributed to UA aeronautics experts	15
No. of H2020/Clean Sky 2 proposals involving UA aeronautics actors supported by AERO-UA	15
No. of short term staff exchanges in the frame of pilot projects	42
No. of trainings in the frame of pilot projects	10
No. of information and networking event in Ukraine	3
No. of factory tours and technical visits in Ukraine and EU	5



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