



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

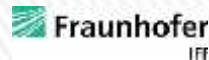


## Overview, interim results, plans

Dr. Lina Smovziuk (KhAI)

AERO-UA Information and Networking Event

31/05/2018, Kharkiv, Ukraine



# AERO-UA at a glance



- Type: Coordination and Support Action
- Implementation period: 01/10/2016 – 30/09/2019
- Status: mid-term results

## Partners:

### European Partners



Coordinator



technology PARTNERS



### Ukrainian Partners



# Project background



**Call topic: MG-1.5-2016-2017**

Identification of gaps, barriers and needs in the aviation research

***Scope: 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 and targeted **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

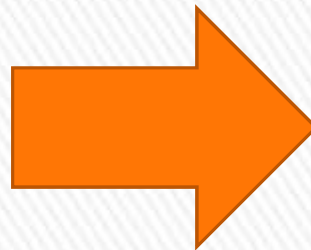


# Main Project Activities and Results (1): *Barriers and recommendations*



- Identification 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

**600+**  
actors  
invited



# Main Project Activities and Results (2): *Strategic and targeted support*



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

## Ukrainian representatives



ACARE



## Next target



# Main Project Activities and Results (3): *Capabilities promotion, awareness raising & networking*



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



Kharkiv, 2018

Kyiv, 2017



# Main Project Activities (4)



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



**AERO-UA**

- ➔ Increased short-to-medium term EU-UA aviation research collaboration
- ➔ Increased medium-to-long term EU-UA aviation research collaboration
- ➔ Support to implementing EU-UA association agreement articles
- ➔ Support to achieving Flightpath 2050 goals





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