



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



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 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



AERO-UA

- ➔ Increased short-to-medium term EU-UA aviation research collaboration
- ➔ 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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