Project:

AERO-UA

(Grant Agreement number 724034)

"Strategic and Targeted Support for Europe-Ukraine Collaboration in Aviation Research"

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D4.2 Report on information and networking events in UA during M1-M18

Project Coordinator (PC):	Mr. Giles BRANDON
PC Organization Name:	Intelligentsia Consultants
Lead Partner for Deliverable:	NASU
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PU	Public	**X**
PP	Restricted to other program participants (including the EC Services)	
RE	Restricted to a group specified by the consortium (including the EC Services)	
CO	Confidential, only for members of the consortium (including the EC)	

The overall aim of the AERO-UA project is to stimulate aviation research collaboration between the EU and Ukraine through strategic and targeted support. AERO-UA is focused solely on Ukraine, because the country has a huge aerospace potential but a low level of aviation research collaboration with the EU. Ukraine's aerospace sector spans the full spectrum of systems and components development and production with OEMs, Tier 1 and 2 suppliers, aeroengine manufacturers, control systems manufacturers, R&D institutions, aeronautic universities, and SMEs. This is also reflected in the sector's important contributor to the country's economy (e.g. aircraft production of €1,9 billion in 2011).

Ukrainian aerospace organisations possess unique know-how that can help Europe address the challenges identified in the ACARE SRIA / Flightpath 2050 Report. Furthermore, following the signing of the Agreement for the Association of Ukraine to Horizon 2020 in March 2015, Ukrainian organisations are eligible to participate in Clean Sky 2 and H2020 Transport on the same funding terms as those from EU member states. Equally, genuine commercial opportunities exist for European aviation organisations to help modernise Ukraine's aerospace sector.

The AERO-UA project will achieve its overall aim via four high-level objectives:

1. Identifying the barriers to increased EU-UA aviation research collaboration;
2. Providing strategic support to EU-UA aviation research collaboration;
3. Supporting EU-UA aviation research knowledge transfer pilot projects; and
4. Organising awareness-raising and networking between EU-UA stakeholders.

The AERO-UA consortium is comprised of key EU and UA aviation organisations that will implement WPs closely mapped to the high-level objectives. The consortium will be supported by an Advisory Board involving Airbus, DLR, Min. Education and Science of Ukraine, Ukrainian State Air Traffic Services Enterprise and retired Director of EADS Jean-Pierre Barthélemy.

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1. Introduction

This document constitutes a report on the Horizon 2020 AERO-UA project's information and networking events in Ukraine during the first project period (1 October 2016 – 31 March 2018).

During this period, the main information and networking event took place on 19 April 2017 in the National Aviation University in Kyiv. This event consisted of an AERO-UA consortium meeting, AERO-UA session during the AVIA 2017 Conference, AERO-UA survey results presentation and roundtable discussions. It was organised by the National Academy of Sciences of Ukraine with the support of other consortium partners and attracted more than 70 participants from research, business and state organizations from Ukraine and European countries. This report captures the following information about this event: aims and agenda, target audience, promotion activities carried out to attract interested parties, list of participants, as well as an input report for the consortium meeting and AERO-UA session of the AVIA 2017 Conference followed by face-to-face meetings and networking session.

Furthermore, a significant number of smaller information events, meetings and workshops were organised across Ukraine during this time by the Ukrainian consortium partners of the AERO-UA project to promote aviation research collaboration with the European Union and the Horizon 2020 programme. These events are also described in this report.

2. AERO-UA networking event, Kyiv, 19 April 2017

2.1 Aims of the event

One of the goals of the AERO-UA project is to raise awareness about research funding opportunities open in the frame of Clean Sky 2 and H2020 aeronautics-related calls and to identify the barriers to increased EU-UA aviation research collaboration.

Taking account of the general goals of project, the main aims of the event were the following:

- to provide the opportunity for aviation science & innovation society from Ukraine as well as representatives of the European organisations working in the same field to discuss opportunities for future collaboration;
- to present to the wide Ukrainian aeronautic community Airbus' research and technology developments in Eastern Europe and potential collaboration interests in Ukraine;
- to present to the wide Ukrainian aeronautic community DLR's research and technology developments in Eastern Europe and potential collaboration interests in Ukraine;
- to discuss the results of a detailed survey of Ukrainian aeronautics actors concerning the barriers and challenges they face in trying to develop research cooperation with European entities;
- taking into account that the Kyiv AVIA 2017 conference gathered research, enterprise and state representatives from the Ukrainian aviation sector, it was important to present to the Ukrainian audience the possibilities for EU-UA collaboration via the six examples of AERO-UA pilot projects;
- besides, an important component of the Kyiv event was to identify the problems associated with transferring technologies and innovations in Ukraine and to search for ways to overcome these problems jointly with colleagues from European Union countries.

2.2 Target audience

The target audience of the event was from Ukrainian research, business and state organizations working in the field of aeronautics and interested in the creation and extension of international collaboration with European Union Countries, namely:

- research institutes of National Academies of Sciences and scientific centres,
- scientific-production organizations,
- small and medium-sized innovative enterprises,
- large state and private corporations,
- universities and technology higher education institutes,
- innovation development centres, departments of intellectual property rights,
- technology and science parks,
- business incubators and accelerators,
- start-up companies,
- non-governmental organizations and associations of scientists and entrepreneurs,
- public authorities, etc.

2.3 Promotion of event

In order to attract the target audience to the networking event, a number of promotional activities were carried out beforehand:

- distribution of information via e-mail to different Ukrainian organizations: institutes of national academies of sciences, universities, innovation technology companies, enterprises working in aeronautics fields,
- announcement on the National Aviation University website: http://nau.edu.ua,
- announcement on the National Academy of Science of Ukraine website http://www.nas.gov.ua/UA/Messages/news/Pages/View.aspx?MessageID=2979
- announcement on Facebook: on the National Academy of Science of Ukraine page,
- announcement on the project website,
- promotion by project partners,
- announcement of the AERO-UA event during the Horizon 2020 Info Day organised by the EaP Plus project (Kyiv, 7.04.17, National Technical University of Ukraine “Kyiv Polytechnic Institute”) including dissemination via the project leaflet.

2.4 Participants

In total more than 65 representatives from the European Union and Ukraine took part in the event; among them were 30 members of the AERO-UA project consortium, Advisory Board members and European company representatives. Ukraine was presented by researchers from institutes of the National Academy of Sciences, universities, innovation commercial enterprises and state authorities. Representatives from the German Aerospace Center and Airbus Group also took part in the Networking Event in Kyiv.

№	Name, Surname	Organisation
1	Giles Martin Brandon	Intelligentsia Consultants Sarl
2	Retunskaia Tatiana	Intelligentsia Consultants Sarl
3	Johann Klaus Frei	Airbus Group Innovations
4	Agata Godula-Jopek	Airbus Group Innovations
5	Jacques Garrigue	Airbus Group
6	Fabrice Lievin	Airbus Group
7	Akymenko Peter	Antonov Company
8	Eberhard Kurt Nicke	DLR
9	Nicolas Peter	DLR
10	Adam Michael Joesbury	The University of Manchester
11	Kay Christian Matzner	Fraunhofer Institute for Factory Operation and Automation IFF
12	Dirk Berndt	Fraunhofer Institute for Factory Operation and Automation IFF
13	Jean-Pierre Barthélemy	Former Director of EADS
14	Sergiy Lev	National Academy of Sciences of Ukraine (NASU)
15	Marina Gorokhovatska	National Academy of Sciences of Ukraine (NASU)
16	Michal Jaroslaw Dziendzikowski	Instytut Techniczny Wojsk Lotniczych (Airforce Institute of Technology)
17	Radoslaw Przysowa	Instytut Techniczny Wojsk Lotniczych (Airforce Institute of Technology)
18	Krzysztof Zygmunt Dragan	Instytut Techniczny Wojsk Lotniczych (Airforce Institute of Technology)
19	Michal Towpik	Technology Partners
20	Koptiev Oleksandr	Ivchenko - Progress
21	Bielik Yuliia	Ivchenko - Progress
22	Karpenko Artem	Ivchenko - Progress
23	Valeriy Fadeyev	JSC FED

24	Oleksiy Chernyshov	JSC FED
25	Yepifanov Sergiy	National Aerospace university "KhAI"
26	Gusev Yuriy	National Aerospace university "KhAI"
27	Igor Rybalchenko	National Aerospace university "KhAI"
28	Maryna Shevtsova	National Aerospace university "KhAI"
29	Lina Smovziuk	National Aerospace University "KhAI"
30	Anna Zmiievska	National Aerospace University "KhAI"
31	Victor Shulepov	UkrRIAT
32	Iryna Bilan	Frantsevich Institute for Problems of Materials Sciences of NASU
33	Kruts Vadym	G. S. Pisarenko institute for problem of strength NASU
34	Alexander FAINLEIB	Institute of Macromolecular Chemistry of the NASU
35	Zinkovskii Anatoliy	G.S. Pisarenko Institute for Problems of Strength of the NASU
36	Ziakhor Igor	E.O.Paton Electric Welding Institute of NASU
37	Savchenko Kyrylo	G.S. Pisarenko Institute for Problems of Strength of the NASU
38	Ignatovich sergey	National Aviation University
39	Grinkevych Kostyantyn	Frantsevich Institute for Problems of Materials Science, NASU
40	Svitlana Ilnytska	National Aviation University
41	Gusakova Kristina	Institute of Macromolecular Chemistry of the NASU
42	SERGIY O. FIRSTOV	Frantcevych Institute for Problems of Materials Science NASU
43	Kuzmenko M.P	Frantcevych Institute for Problems of Materials Science NASU
44	Kulak L.D.	Frantcevych Institute for Problems of Materials Science
45	Starostenko Olga	Institute of Macromolecular Chemistry of the NASU
46	Grigoryeva Olga	Institute of Macromolecular Chemistry, NASU
47	Demydenko Dmytro	Motor Sich JSC
48	Sergey Bezdolnyi	Motor Sich JSC
49	Gorna Iryna	Institute in Problems of Materials Science of NASU
50	Nedosieka Anatolii	E.O. Paton Electric Welding Institute of NASU
51	Nedosieka Stanislav	E.O. Paton Electric Welding Institute (PEWI) of NASU
52	Voloshkevych Iryna	E.O. Paton Electric Welding Institute (PEWI) of NASU
53	Kutianova Iryna	E.O. Paton Electric Welding Institute (PEWI) of NASU

54	Kartuzov Valeriy	Frantcevych Institute for Problems of Materials Science NASU
55	Podrezov Yurij	Frantsevich Institute for Problems of Materials Science, NASU
56	Bondar Anatolii	Frantsevych Institute for Problems of Materials Science
57	Vasylyev Yuriy	State Company "Ukroboronservice"
58	Synylo Kateryna	National Aviation University
59	Cherepova Tetiana	G.V. Kurdyumov Institute for Metal Physics of the NAS of Ukraine
60	Kulchuk Ivan	
61	Yulii Milman	Frantcevych Institute for Problems of Materials Science NASU
62	Bondarenko Oleg	National Aviation University
63	Yasenko Sergiy	National Aviation University
64	Vasylyev Oleksandr	Frantcevych Institute for Problems of Materials Science NASU
65	Khustochka Olexandr	Ivchenko Progress
66	Gnatyuk Sergiy	IIDS, National Aviation University
67	Pokrovski Serge	CKAS
68	Lowak Ralf	Ukrainian Chamber of Commerce and Industry, UCCI

2.5 Event agenda

EU-Horizon 2020 Programme (H2020), H2020 AERO-UA (724034)

Kyiv Networking Event and Factory Tours
H2020 AERO-UA Project
19-20 April 2017

Agenda

Kyiv Networking Event, Wednesday 19 April 2017
The Kyiv Networking Event will be hosted within the 13th International Scientific Conference "AVIA 2017" hosted by the National Aviation University, Kyiv.

Address: National Aviation University
Building No 1
Kosmonavta Komarova 1
03058 Kyiv
Ukraine

9:00	**Registration on Day 1**	
9:30	**AERO-UA consortium meeting** *(Review current status of each WP and plan next 6 months for AERO-UA project)* ▪ Introduction of the Advisory Board Members (Intelligentsia, 10 mins) ▪ WP1: Barriers to increased EU-UA aviation research collaboration (Intelligentsia, 25 mins) ▪ WP2: Strategic support to EU-UA aviation research collaboration (KhAI, 20 mins) ▪ WP3: EU-UA aviation research knowledge transfer pilot projects (TECPAR, 75 mins) ▪ WP4: Awareness-raising and networking between EU-UA stakeholders (NASU, 15 mins) ▪ WP5: Dissemination and Promotion (KhAI, 15 mins) ▪ WP6: Project Management & WP7 Ethics Requirements (Intelligentsia, 20 mins)	**All Consortium Partners**
12:30	*Lunch break*	
14:00	**AERO-UA session of the AVIA 2017 Conference** *(Promote opportunities for aviation research collaboration between Ukraine and Europe)* ▪ DLR's research and technology developments in Eastern Europe and potential collaboration interests in Ukraine (Nicolas Peter, DLR, 20 mins) ▪ Airbus' research and technology developments in Eastern Europe and potential collaboration interests in Ukraine (Dr-Habil. Ing. Agata Godula-Jopek FRSC, Airbus Group Innovations, 15 mins) ▪ H2020 / Clean Sky 2 Schemes: Aviation research funding opportunities for Ukraine (Mr. Igor Rybalchenko, H2020 Transport NCP, 15 mins) ▪ Opportunities for cooperation with NASU in the field of aviation (Dr. Iryna Belan, H2020 Nanotechnologies and Advanced Materials NCP, 10 mins) ▪ Fraunhofer-IFF's aviation research activities and AERO-UA aviation research pilot projects (Kay Matzner, Fraunhofer-IFF, 10 mins) ▪ Technology Partner's aviation research activities and AERO-UA aviation research pilot projects (Michał Towpik, Technology Partners, 10 mins) ▪ University of Manchester's aviation research activities and AERO-UA aviation research pilot projects (Dr. Adam Joesbury, University of Manchester, 10 mins)	
15:30	*Coffee break*	
15:45	**AERO-UA survey results and round table discussions** *(Present AERO-UA survey and discuss with Advisory Board Members and UA Stakeholders)* ▪ Overview of survey approach, results & analysis (Dr. Lina Smovziuk, KhAI, 10 mins, ▪ Mr. Igor Rybalchenko, KhAI, 15 mins) ▪ Round table discussions (Led by Jean-Pierre Barthelemy, 45 mins) ▪ Provisional recommendations (Giles Brandon, Intelligentsia, 5 mins)	
17:00	**End of Kyiv Networking Event on Day 1**	

2.6 Overview of activities

The event lasted one day and formally can be divided in two parts: the first being the AERO-UA consortium meeting where current progress with the project's Work Packages was discussed and the second being the AERO-UA session during the AVIA 2017 conference where opportunities for aviation research collaboration between Ukraine and Europe were promoted.

The AERO-UA consortium meeting started with an introductory word from the project coordinator Giles Brandon (Intelligentsia, Luxemburg) followed by roundtable introductions of each of the experts attending the consortium meeting. The project Advisory Board at this meeting was represented by Jean-Pierre Barthélemy (formerly EADS), Klaus Frei, Jacques Garrigue, Agata Godula-Jopek and Fabrice Lievin (Airbus Group), Nicolas Peter and Eberhard Nicke (DLR). Then representatives of the partner organizations presented the results from implementing their tasks in the different Work Packages.

The first presentation was dedicated to the barriers to increased EU-UA aviation research collaboration. The presenters Giles Brandon (Intelligentsia) and Lina Smovziuk (KhAI) familiarised attendees with the results of a detailed survey of Ukrainian aeronautics actors. Lina Smovziuk mentioned that during the roundtable discussion only the initial analysis (statistical analysis, translation of free answers) would be presented. A deeper analysis would be done later. An advanced draft of the report will be shared with the Advisory Board to collect opinions. Giles Brandon mentioned that the consortium partners already have some ideas about the projects to cooperate with. Peter Akymenko (Antonov company) informed about the company's interest to collaborate with EU colleagues, but that the main barrier in the past had been the "old fashioned" mindset of Antonov's top management. Jean-Pierre Barthélemy noted that the rate of success for FP7/H2020 proposals from SMEs was lower; a Ukraine-EU co-operation involving larger players stood a much better chance of success.

The next presentation was introduced by Igor Rybalchenko (KhAI) and dedicated to the strategic support to EU-UA aviation research collaboration and to facilitate Ukrainian involvement in key EU networks. Discussions were held on the importance of Ukraine's presence in the H2020 programme committee. Ukraine has the right to be represented in the committee. The representative must be assigned by the Ministry of Education and Sciences, but they are not very active. The consortium partners were unsure how to influence the Ukrainian government.

Then, the partners presented overviews of the AERO-UA pilot projects covering the aviation research topics, objectives and partners involved. Michał Towpik (TECPAR) presented a short

summary of the pilot projects. Igor Rybalchenko mentioned that KhAI - together with Fraunhofer-IFF – had submitted an aerospace manufacturing related proposal to the H2020 Mobility for Growth call deadline in January 2017. Even if it will not be successfully evaluated, it is a good example of collaboration.

The fourth presentation was introduced by Marina Gorokhovatska (NASU) and Anna Zmiievska (KhAI) and dedicated to awareness-raising and networking between EU-UA stakeholders. The presentation covered the following topics: WP4 objectives, deliverables, milestones, performance indicators and targets. The main discussion was about the level of preparation of a new edition of the “Ukrainian Aeronautics: Research and Technology Groups Brochure”.

The next two presentations were dedicated to WP5 Dissemination and Promotion (Presenter: Anna Zmiievska, KhAI) and WP6 Project Management (Presenter: Giles Brandon (Intelligentsia). Anna Zmiievska noted that WP5 is being implemented successfully, performance indicators are fine. A non-disclosure agreement has been signed with each of the Advisory Board members except the Ministry of Education and Science (MESU). Igor Rybalchenko explained that all materials concerning this issue have been sent to the MESU but he had still not received a reply. Jean-Pierre Barthélemy suggested the consortium partners should consider whether they still want a representative of the Ministry to be an Advisory Board member. If not, they should consider possible replacements. Giles Brandon proposed Jean-Pierre Barthélemy to become Chairman of the Advisory Board with all consortium partners and Advisory Board members agreeing.

The AERO-UA session during the AVIA 2017 Conference started with an introductory word from the project coordinator Giles Brandon (Intelligentsia, Luxembourg) in which he officially launched the first call for AERO-UA travel grants aimed at covering the travel costs for Ukrainian aerospace researchers to attend consortium meetings to prepare proposals for H2020 and Clean Sky 2 (ideal case), attend H2020 and Clean Sky 2 info-days, or present research papers at international scientific conferences in Europe. The goal is to reach out to Ukrainian experts outside the consortium.

Nicolas Peters (DLR) presented DLR’s research and technology developments in Eastern Europe and potential collaboration interests in Ukraine. Later Dr-Habil. Ing. Agata Godula-Jopek (FRSC, Airbus Group Innovations) spoke about Airbus’ research and technology developments in Eastern Europe and potential collaboration interests in Ukraine. From Ukraine’s side Igor Rybalchenko (H2020 Transport NCP) and Dr. Iryna Belan (H2020 Nanotechnologies and Advanced Materials NCP) presented the H2020 / Clean Sky 2 research funding schemes for Ukrainian participants and opportunities for cooperation with NASU in the field of aviation.

Next, Kay Matzner (Fraunhofer-IFF), Michał Towpik (Technology Partners) and Dr. Adam Joesbury (University of Manchester) made presentations about their organisations' aviation research activities and the AERO-UA aviation research pilot projects coordinated by Fraunhofer-IFF (Germany), TECPAR (Poland) and University of Manchester (Great Britain).

Also, the event was an occasion for Dr. Lina Smovziuk and Igor Rybalchenko (KhAI) to present the initial findings of the recent AERO-UA survey and to discuss them with the Ukrainian participants as well as the project's Advisory Board members.

All presentation can be found on AERO-UA project site on the page Successful Networking Event and Factories Tour in Kyiv .

After the presentations the participants had the opportunity to ask questions and to give their opinions and to discuss common problems. The AERO-UA session of the AVIA 2017 conference ended with an informal networking session during the coffee break. The participants had the opportunity to conduct face-to-face meetings aimed at identifying joint research interests and prospects for future partner relationships for joint aviation related projects within the Horizon 2020 Program, to exchange contact information, and to outline future next steps.

3. Smaller information events in Ukraine during M1-M18

3.1 Aerospace cluster “Mehatronica” meetings

a. 27 October 2016

A meeting of the Council of the Innovative Regional Aerospace Cluster “Mechatronica” took place in Dnipro on the Dnepropetrovsk Aggregate Plant JSC on 27 October 2016. At this event the heads or authorized representatives of enterprises, higher educational institutions, research institutes, scientific organizations and scientific schools took part as well as representatives of self-governing bodies, public organizations and industry associations (53 people in total).

The meeting of the Council was held with the aim of forming an effective system of interaction between its participants and their innovative activities to expand current tasks and prospects for the development of the Ukrainian aerospace complex.

At this event, PJSC "FED" made a presentation and promoted the AERO-UA project to the Council of the Aerospace Cluster “Mechatronica” with the aim of familiarising all the cluster members with the H2020 programme.

b. 11 April 2017

A joint meeting of the Innovative Regional Aerospace Cluster “Mechatronica” and the Corporation “Ukrainian Aviation Company” took place in Kyiv at SE “Antonov” on 11 April 2017 and was aimed at discussing current problems in the modern aviation industry of Ukraine. During this event, representatives took part from the Cabinet of Ministers of Ukraine, Ministry of Economic Development and Trade of Ukraine, Ministry of Defence of Ukraine, Ukroboronprom, State Aviation Service of Ukraine, heads of enterprises and scientific organizations, rector of universities, representatives of scientific schools-participants of the cluster, and members of the Council of the Corporation “Ukrainian Aviation Company” (57 people in total).

During the meeting of the Council of the Aerospace Cluster “Mechatronica” in Kyiv, the possibility to use Fraunhofer-IFF’s experience in automated assembly was presented.

c. 19 December 2017

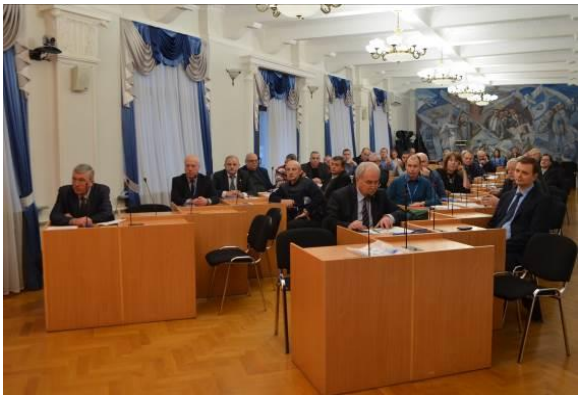
An extended session of the Council of the Innovative Regional Aerospace Cluster “Mechatronica” took place in Kharkiv (“KhAI”) on 19 December 2017. At this event the heads or authorized representatives of enterprises, higher educational institutions, research institutes, scientific organizations and scientific schools took part as well as representatives of self-governing bodies, public organizations and industry associations (over 70 people in total).

The extended session of the Council of the Cluster "Scientific developments with high innovative potential and competitiveness in the world market – production of the aerospace enterprises" was conducted with the aim of forming an effective system for interaction of its participants for the further development of the Ukrainian aerospace complex.

During the meeting of the cluster, the following issues concerning the H2020 programme were discussed:

1. Experience and opportunities in the field of creating structures of polymer composite materials;
2. Opportunities of European grant projects to strengthen scientific and technical cooperation between Ukraine and the EU in the field of aviation.

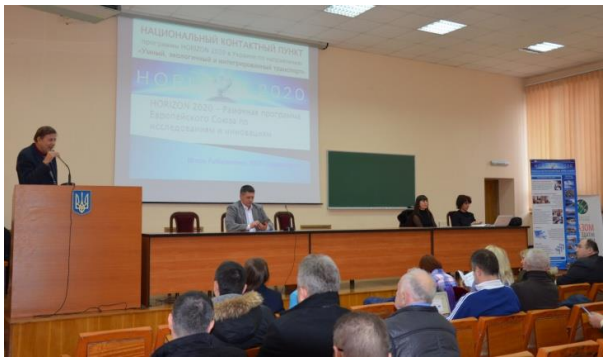
The Ukrainian aviation community was informed about the Horizon 2020 programme, its general structure and funding sources for aviation-related research. Also, Igor Rybalchenko made a presentation of the AERO-UA project, its main results and opportunities offered for Ukrainian community. All participants were invited to participate in the AERO-UA Information and Networking event planned for Spring 2018.

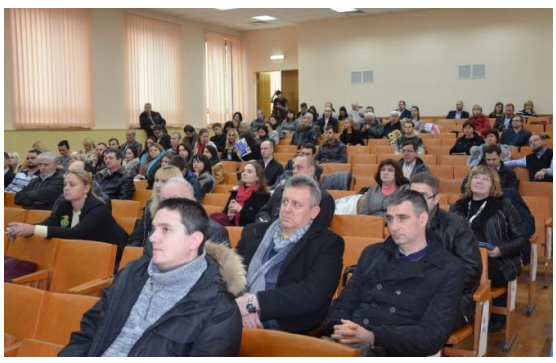


3.2 Ukrainian Transport NCP regional workshops 2016

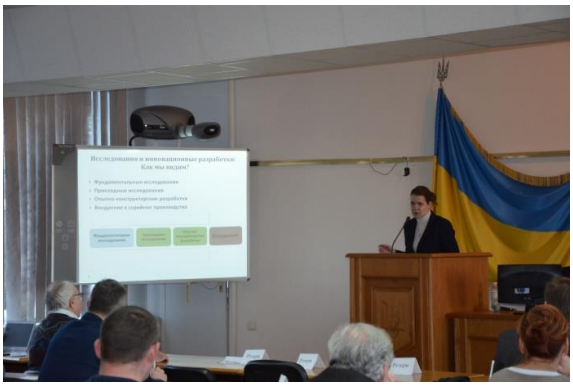
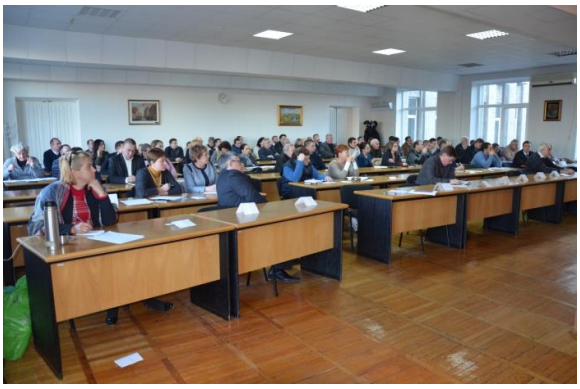
At the end of 2016 the Ukrainian Transport NCP operated by KhAI held four successive regional workshops for Ukrainian researchers. The workshops were focused on funding opportunities under the Horizon 2020 programme for Ukrainian transport-related Universities, research organizations, industry and SMEs. The AERO-UA project was presented during all the events to raise awareness amongst researchers working in the field of aeronautics of the project's existence, plans and opportunities. The Ukrainian aeronautic community was informed about the planned AERO-UA survey and was encouraged to express their opinion regarding barriers in EU-UA cooperation and the specific needs of Ukrainian entities interested in such cooperation.

- Regional Workshop in Kharkiv, 27 October 2016 (in the premises of National Academy for Public Administration under the President of Ukraine). Number of participants: 111.

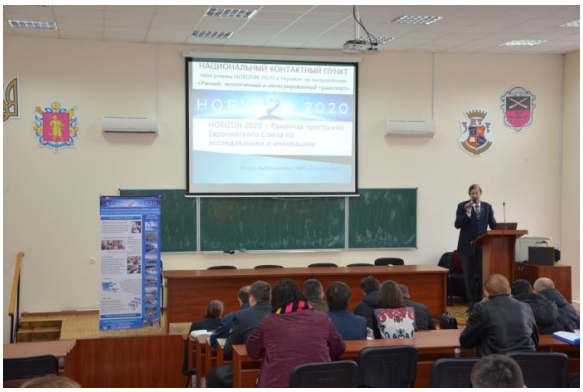


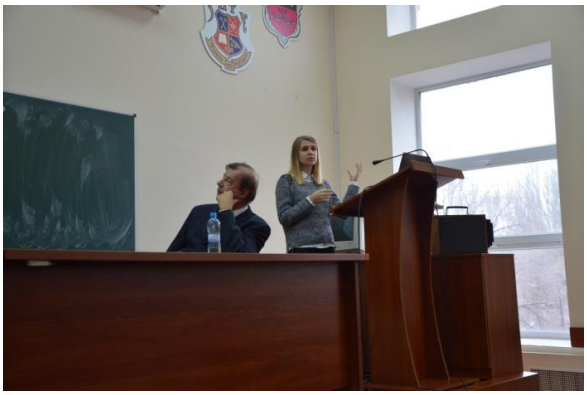


- Regional Workshop in Dnipro, 23 November 2016 (in the premises of Dnipropetrovsk National University of Railway Transport named after academician V. Lazaryan). Number of participants: 57

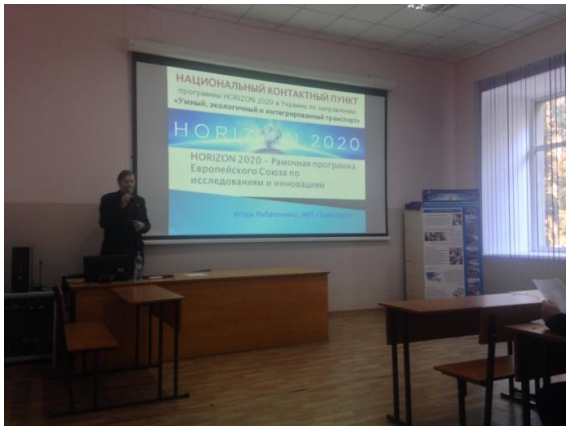



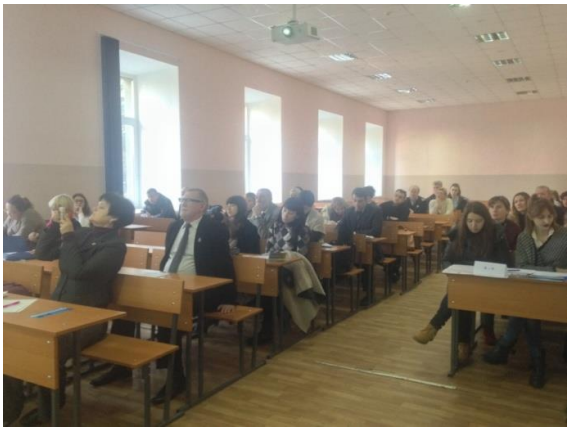
- Regional Workshop in Zaporizhzhya, 24 November 2016 (in the premises of Zaporozhye National Technical University). Number of participants: 64





- Regional Workshop in Odessa, (in the premises of Odessa National Maritime University). Number of participants: 48





3.3 6th Technical Conference SAMPE Europe

SUTEC-2016, the 6th Technical Conference of SAMPE (Society for the Advancement of Material and Process Engineering) Ukraine, was organized in collaboration with the Ukrainian Research Institute of Aviation Technology (UkrRIAT) and held on 17 November 2016 on UkrRIAT's premises in Kyiv.

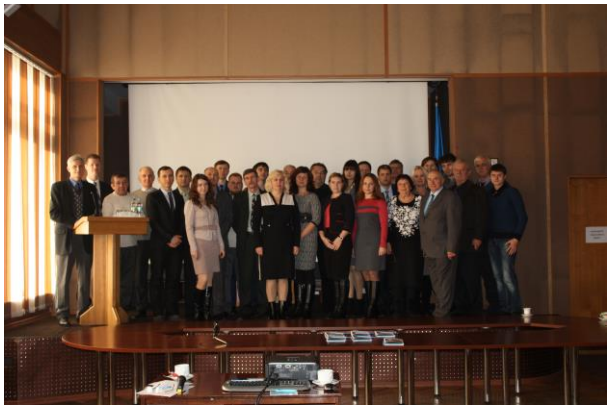
The focus of the conference was on *Aircraft Production Management during a Time of Transition*. The conference invited speakers on the following topics:

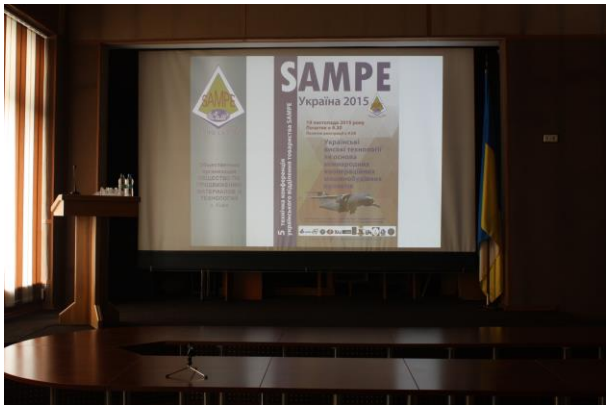
- composite materials and structures research;
- practical use of composite materials and structures in aerospace and other high-tech industries;
- practices of development, production, operation, support and repair of aircraft and space products;
- development and application of advanced technologies for creation, operation, repair and utilization of aircraft and space products.

In total, 27 papers were presented in two sections of the conference:

- Research. Manufacturing Processes. Modelling;
- Aerospace Composite Materials.

Participants of the conference came from the State-owned Research Institute of Aviation, National Technical University of Zaporozhe, Technical University of Dnepropetrovsk, Institute for Problems of Materials of National Academy of Sciences of Ukraine, Institute of Super Hard Materials of National Academy of Sciences of Ukraine, National Aviation University, Aviation Institute of Kharkiv, Yuzhnoye Design Bureau of Dnipro, Polytechnic Institute of Kiev, Chemistry and Technology Institute of Dnipro, ANTONOV, IVCHENKO-PROGRESS and UkrRIAT.



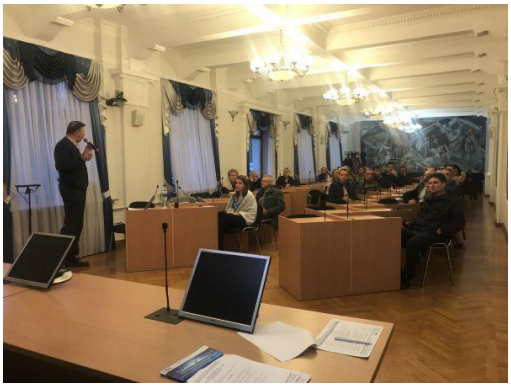


All the papers from SUTEC-2016 have been presented in the Technological Systems Journal published by UkrRIAT.

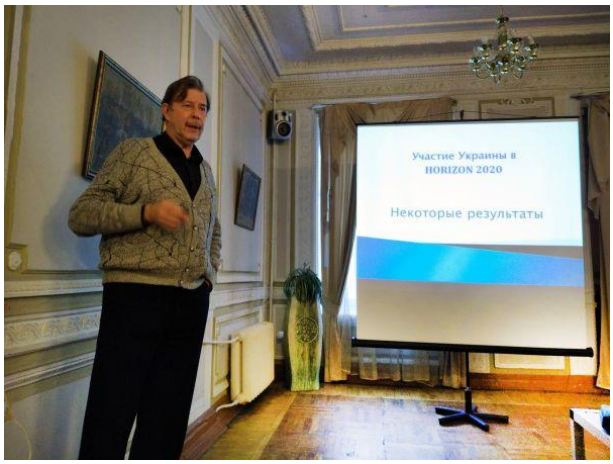
3.4 Ukrainian Transport NCP regional events 2017

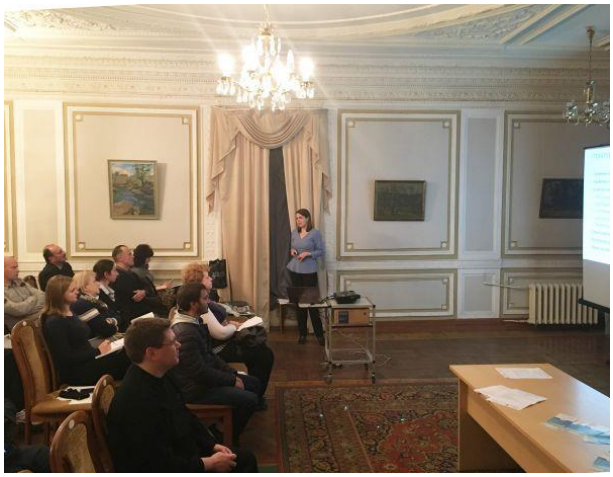
On 2 November 2017 in Kharkiv, the National Aerospace University "KhAI" Transport NCP held a workshop on new Horizon 2020 Transport calls. The workshop was devoted to the new Transport Work Programme for 2018-2020, calls of Clean Sky 2 and Shift2Rail Jus, and the

rules of participation. 32 representatives from Ukrainian universities, research organizations, industry, small and medium businesses took part in the workshop. The AERO-UA project was presented as an example of successful participation of Ukrainian entities as well as the outcomes and opportunities for Ukrainian aviation researchers. AERO-UA project leaflets were disseminated among the attendees.



On 16 November 2017, a local Info-Day devoted to a review of calls in research and innovation in Horizon 2020 for 2018-2020 was held in Kyiv. This event was co-organized by KhAI and NASU together with other Ukrainian thematic NCPs. The thematic work programmes for 2018-2020, calls of joint initiatives in the transport area, and rules for participation in calls were presented during the workshop. Also, opportunities were presented for using the AERO-UA project as a tool for finding partners for the development of innovative activities and new H2020 projects. AERO-UA leaflets were disseminated among the attendees. 43 representatives from various organizations took part in the workshop: universities, research organizations, industry, and small and medium sized businesses.





3.5 Horizon 2020 workshop held at Antonov

Following Antonov's initiative, an information and practical workshop "Aviation research in EU Framework Programmes: Opportunities for Ukraine" took place in the premises of Antonov on 25 January 2018.

In the frame of the workshop, Transport NCP experts from KhAI presented general information about H2020 and details of open aviation-oriented calls in the 2018-2019 Transport Work Programme. Specific attention was paid to the Clean Sky 2 Joint Undertaking, as the largest

opportunity for science and industry cooperation in aviation at EU level, and its open CFP07 Call for Proposals.

Also, a guided discussion regarding different opportunities and barriers relevant to Ukrainian organizations' participation in Horizon 2020 was held with the involvement of representatives of SE "Antonov" subdivisions, as well as invited experts from the National Aviation University and several research institutes of the National Academy of Science of Ukraine. In total 58 participants from eight aviation-related organizations took part in the workshop.