

Workshop on Cabin Air Quality Research

Cologne, 17-18 January 2023


The workshop aims to present the new project launched by EASA under the Horizon 2020 program and provide a follow-up from the previous event organised in Jan 2020 on several research initiatives addressing cabin Air Quality with a focus on contamination events and health risk assessments:

- Measurements of contamination events
- Characterisation of release of pollutants
- Toxicological assessments (dose-response) and investigations of health effects
- Bio-monitoring, medical surveys of aviation professionals
- Risk mitigations

The workshop will gather representatives from the scientific community and Aviation Stakeholders such as: Aircraft manufacturers – Engine Manufacturers – Airline worker associations – Research institutions – Airline associations – Aeromedical associations – Regulatory authorities – Industry association – Occupational health agencies.



AGENDA


Day 1 – Start 13:30

<p>13:00 – 13:30</p>  	<p>CHECK-IN AND WELCOME COFFEE</p>
<p>13:30 – 13:50</p>	<p>EASA Opening of the Workshop and Welcoming Remarks</p> <p>Aim of the Workshop, Practical Arrangements</p>
<p>13:50 – 15:00</p>	<p>SESSION #1 - Presentation of new research project launched by EASA (CAQ III)</p> <ul style="list-style-type: none"> • Overview of project objectives and tasks - Sven Schuchardt, Fraunhofer Institute • link to FACTS project and perspective of tomorrow's workshop - Flemming Cassee, RIVM • Q&A – Discussions • Summary of questions from crewmembers associations (ETF, EurECCA, GCAQE) presented by Judith Anderson, ETF

<p>15:00 – 15:30</p> 	<p>BREAK</p>
<p>15:30 – 17:30</p>	<p>SESSION #2 - Presentations of on-going research initiatives</p> <ul style="list-style-type: none"> • Kansas University project, sponsored by US FAA – Bleed Air Contaminant Research, speaker: Richard Fox, Aircraft Environment Solutions • German Occupational Health Agency (IPA) – Biological monitoring in air crews who experienced a Fume And Smell Event - Results from the FUSE-II-study – speakers: Dr. Heiko Käfferlein, Stephan Koslitz, Dr Christoph Caumanns, IPA • Development of SAE E34 Standard (Aviation lubricants): Ron Yungk, Eastman Aviation Solutions - Lise Ceballos, Safran Aircraft Engines – Grégoire Hervé, Nyco - Michael Douglass, ExxonMobil • French Occupational Health Agency (ANSES) survey, Institutional recommendations on means for action and prevention – Amandine Paillat, Audrey Malrat-Domenge <p>Q&A - Discussions</p>
<p>18:00 – 19:30</p> 	<p>NETWORKING DRINK</p>

Day 2 – Start 09:00

<p>08:45 – 09:00</p> 	<p>WELCOME COFFEE</p>
<p>09:00 – 11:00</p>	<p>SESSION #3 – Workshop on CAQ III Project Chaired by Karin Hougaard, NRCWE and Flemming Cassee, RIVM</p> <ul style="list-style-type: none"> • Introduction on project test plan • Experiment – simulation of contamination events (incl. scenarios): BACS & Fume generation, incl. first analytical data • Animal exposure: study plan & bioanalytics <p>Presenters: Florian Mayer, Sven Schuchardt, Fraunhofer Institute Jos van Triel, RIVM</p> <p>Q&A - Discussions</p>
<p>11:00 - 11:20</p> 	<p>COFFEE BREAK</p>

11:20 – 13:00	SESSION #4 - Workshop on CAQ III Project (cont.) Chaired by Sabine Kafert-Kasting, Fraunhofer Institute and Flemming Cassee, RIVM <ul style="list-style-type: none">• Neurotoxicological assessments and behaviour study in mice• Toxicological assessment plan Presenters : Sabine Hölter-Koch, Helmholtz Zentrum Munich and Karin Hougaard, NRCWE <ul style="list-style-type: none">• Wrap-up and closing remarks - Sven Schuchardt, Fraunhofer Institute and Flemming Cassee, RIVM
13:00 	END OF THE WORKSHOP

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