**Day 1 – Wednesday, 29th March 2017**

**8:30 Registration and Welcome Coffee**

**9:00 EU Opening remarks:**

* **"Aviation Safety - Icing R&I needs", *S. Fumero, EUROPEAN COMMISSION***
* **"Icing Regulations, Ice Crystals and SLD", *V. Brandi, EASA***
* **"Icing activities in CleanSky/2", *G. Pagnano, CLEANSKY2 JU***

**9:45 Feed-back from FP7 HAIC-HIWC - International Icing Research Forum**

 ***F. Huet, A. Calmels-Grandin, AIRBUS France***

* **Flight Tests, microphysical properties & CS-25 Appendix P**
* **Weather Radar Ice Crystals function**
* **Models & Tools**

**- Questions & Answers -**

**10:45 - Coffee break -**

* **Test facilities calibration**
* **Instrumentation**
* **Space-borne Detection and Nowcasting**

 **- Questions & Answers -**

**11:30 FP7 STORM – Overview, *M. Balland, SAFRAN Aircraft Engines***

**12:00 - Lunch -**

**13:30 Ice Shedding : FP7 STORM Achievements**

***C. Bautista, AIRBUS Spain; M. Pervier, CRANFIELD University***

**14:10 - Questions & Answers -**

**14:30 Ice Accretion : FP7 STORM Achievements *E. Radenac, ONERA***

**15:10 - Questions & Answers -**

**15:30 - Coffee-break -**

**16:00 Ice Protection Systems : FP7 STORM Achievements**

***C. Coat-Lenzotti, SAFRAN Nacelle;***

***E. Bonaccurso, AIRBUS G.I. Germany***

**16:40 - Questions & Answers -**

**17:00 Feed-back from International Surface Icing Workshop (Jan.2017)**

 ***N. Rehfeld, FRAUNHOFER*  - FP7 EU-Japan JEDI-ACE + ICE Workshop**

***R. Kozera, TECHNOLOGY PARTNERS Poland* - Horizon 2020 EU-Canada PHOBIC2ICE**

**18:00 Questions & Answers**

**18:20 Conclusion of day 1**

**20:00 Social Event**

**Day 2 – Thursday, 30th March 2017**

**The need for new R&I actions at EU and beyond**

**- Interactive sessions -**

**08:30 Welcome Coffee**

**09:00 1. Aircraft & Engine Inflight Icing. Chair: *R. Den Boer / A. Vecchio, CleanSky2 JU***

 **a) Active Ice protection technology**

***I. Roberts, AEROTEX - CLEANSKY2-GAINS; F. Larue, ZODIAC; C. Coat, SAFRAN Nacelles; tbc, GKN; G. Linassier /M.Balland, SAFRAN AE***

**Round-table, Q&A, Conclusions**

**09:40 b) Ice-phobic materials technology**

***E.Bonaccurso/E.Campazzi, AIRBUS GROUP INNOVATION; tbc, CSEM-CLEANSKY-ICEAGE; N. Rehfeld FRAUNHOFER;*** ***R. Kozera, TECHNOLOGY PARTNERS POLAND.***

**Round-table, Q&A, Conclusions**

**10:00 2. Numerical tools & Means of compliance. Chair: *A. Abrams / V. Brandi , EASA***

 **a) Simulation of surface icing**

***P. Villedieu/E. Radenac, ONERA; Gilles Aouizerate, SAFRAN AE, Paolo Vanacore, GE; F.Petrosino, CIRA; J.Pavlova, AEROTEX; tbc, TU DARMSTADT***

**Round-table, Q&A, Conclusions**

**10:40 - Coffee break -**

**11:00 b) Ice shedding**

***Olaf Brodersen, DLR; H.Beaugendre, INRIA; M.Costes, ONERA,***

***M. Pervier, CRANFIELD U.; C. Hatch, AEROTEX.***

**Round-table, Q&A, Conclusions**

**11:30 c) Ice detection, both on-board and remote**

***F. Larue, ZODIAC; F.Huet/A. Calmels-Grandin, AIRBUS; tbc, HONEYWELL; F. Cuccioli, U. FIRENZE – CLEANSKY radar projects; tbc, METEO-France.***

 **Round-table, Q&A, Conclusions**

**12:15 d) Testing facilities**

 ***A. Ragni/G. Mingione, CIRA; D. Fuleki, NRC; S. Bansmer, TU BRAUNSCHWEIG***

**Round-table, Q&A, Conclusions**

**12:45 - Lunch -**

**14:00 3. International collaboration in Aviation Icing research & innovation**

 **Chair*: P.Perez-Illana, EUROPEAN COMMISSION***

**a) Research capacities and priorities**

* + - **United States: *T. Bond, J. Fisher, FAA***

***A.B. Flegel, NASA (Video-conference)***

* + - **Canada: *D. Fuleki, NRC***
		- **Japan: *tbc***
		- **Brazil: *tbc, EMBRAER***
		- **Russia: *E. Andreev, TsAGI***

***A. Goriachev, CIAM***

**(Video-conference available).**

**16:00 - Coffee-break -**

**b) International round-table: towards common priorities**

***A. Abrams / V. Brandi, EASA; T. Bond / J. Fisher, FAA; D. Fuleki, NRC CANADA; A. Calmels-Grandin / F. Huet, AIRBUS; M. Balland, SAFRAN AE; E.Andreev/A.Goriachev, TsAGI/CIAM.***

**Q&A, Conclusions**

**17:00 Conclusion of the workshop**