

<b>Wed 27</b>		<b>MF CIC</b>		<b>Emerging Technologies for Airborne Measurements</b>	
15'	09:15	Jean-Claude André	FR	RTRA/STAE	Introduction to Emerging Technologies
<b>In Situ Thermodynamics</b>					
15'		Alfred Rodi	US	UNWyo	Air motion sensing: challenges still abound
15'		Herman Smit	DE	Jülich	Airborne Humidity Measurements: Still a Challenge
<b>09:45 Cloud Physics</b>					
15'		Darrel Baumgardner	MEX	U Mexico	Optical techniques
15'		Jacob Fugal	DE	Mainz	Holography
15'		Alexei Korolev	CA	ENV CA	Shattering & extinction
15'		Paul Lawson	US	SPEC	Cloud Particle Probes: Uncertainties, Limitations and Possible Solutions
<b>10:45-11:15 Coffee Break</b>					
<b>11:15 Aerosol</b>					
15'		Paul DeMott	US	CSU	IN Measurements
15'		James Allan	UK	UNIMAN	Aerosol Mass Spectrometry
15'		Manvendra Dubey	US	LANL	Photo acoustic
15'		Vivianne Despres	DE	U Mainz	Bioaerosol
15'		Gregory Roberts	FR	CNRM	Airborne CCN Measurements: Challenges and Emerging Techniques
<b>12:30-14:00 LUNCH</b>					
<b>14:00 Gas Chemistry</b>					
15'		Dwayne Heard	UK	U Leeds	Measurements of OH and other free-radicals from aircraft platforms
15'		James Elkins	US	NOAA	Trace gas measurements
<b>14:30 Active Remote Sensing</b>					
15'		Gabor Valli	US	UWYO	What have airborne radars revealed about cloud microphysics?
15'		Gerhard Ehret	DE	DLR	Airborne lidar technology and application
15'		John Hair	US	NASA	Trace gas lidar
15'		Robert Rauber	US	UIUC	Remote sensing from research aircraft-current technology and future potential
<b>15:30-16:00 Coffee Break</b>					
<b>16:00 Passive Remote Sensing</b>					
15'		Jonathan Taylor	UK	UK MetOffice	Radiation Measurements
15'		Manfred Wendisch	DE	U Leipzig	Solar and NIR radiation
15'		???	DE	Jülich	IR Spectroscopy
15'		Eric Defer	FR	Obs. de Paris	Sub-millimetre wave radiometry
<b>17:00 Hyperspectral Remote Sensing of the surface</b>					
15'		Rob Green	US	NASA	From AIS to HYSPRI via AVIRIS
15'		Fred A. Kruse	US	LLC	Hyperspectral remote sensing for geologic applications
15'		Daniel Schläpfer	CH	RESE	Self-Contained Atmospheric Correction and Parameter Retrieval from Imaging Spectroscopy Data
15'		Antonio Plaza	ES	UNEX	Advances in data mining processes: from multispectral to hyperspectral imagery
15'		Dar Roberts	US	UCSB	Mapping Methane over Marine and Terrestrial Surfaces using Imaging Spectrometry
15'		Timo Hyvarinen	FI	SPECIM	Hyperspectral technology as a profit commercial enterprise.
<b>18:30-19:00 Discussion</b>					

<b>Thu 28</b>		<b>MF CIC</b>		<b>User Needs, Airborne Programs and Open Access</b>
<b>09:00 User Needs (Chair Bjorn Stevens)</b>				
15'	Bjorn Stevens	DE	MPI-H	Tropospheric Airborne Research
15'	Ils Reusen	BE	VITO	Airborne hyperspectral imaging for the benefit of the European citizen and environment
15'	Jean-Luc Redelsperger	FR	GAME	The AMMA Program : Contributions of Instrumented Aircraft to the study of the African Monsoon
15'	Ulrich Schumann	DE	DLR	Airborne research experiences and perspectives
15'	Francesco Cairo	IT	CNR	Stratospheric Chemistry
15'	John Mak	US	NSF	HIPPO
15'	Jorg Hacker	AUS	METAIR	(SERA) Small Environmental Research Aircraft
<b>10:45-11:15 Coffee Break</b>				
<b>11:15 International Airborne Programs (Chair Jim Huning)</b>				
15'	Mengistu Wolde	CA	NRC Canada	NRC Airborne Research and Facilities: Focus on atmospheric research and airborne cloud and precipitation radars
15'	Stephan Nelson	US	NSF	NSF Airborne Program
15'	Jim McFadden	US	NOAA	NOAA's Aircraft - A Versatile Fleet for Environmental Research and Monitoring
15'	Garron Morris	US	NRL	NRL Airborne Program
15'	Randal Albertson	US	NASA	Use of airborne platforms to support satellites and science
15'	Gregory McFarquhar	US	DOE	DOE Airborne Program
<b>12:45-14:15 LUNCH</b>				
15'	Jean-Claude André	FR	RTRA/STAE	Midi-Pyrénées: Pole of Excellence in Aeronautics and Environment
<b>14:30 Integration of Airborne Research Infrastructures (Chair J. L. Brenguier)</b>				
15'	Andreas Volz Thomas	DE	FZJ	IAGOS
15'	Jean-Louis Brenguier	FR	MF	EUFAR
15'	Jim Huning	US	SAIC	Integration of US Airborne Facilities
<b>15:15 Open Access to Airborne Research Infrastructures (Chair C. Rizzuto)</b>				
20'	Hervé Pero	EU	EC	EC Infrastructure Program
15'	Jacques Binot	FR	EuroFleet	Optimisation and sharing of access to European marine research infrastructure: achievements and perspectives
<b>15:50-16:20 Coffee Break</b>				
15'	Michel van der Rest	EU	ERF	ERF (European association of national Research Facilities open to international access) objectives and actions
15'	Gaspar Barreira	PT	FCT	Personnel detachment to RIs
15'	Vanda Grubisic	AT	Univ. Vienna	The Austrian experience in joining ESO
15'	Dany Vandromme	FR	MESR	Open access to scientific data: the French Research Ministry view
20'	Carlo Rizzuto	IT	ESFRI	Open Access to RIs
<b>17:40-18:15 GENERAL DISCUSSION AND CONCLUSIONS</b>				
19:00 Welcome reception at the Toulouse City Hall				
20:00 Conference dinner				

	Fri 29	MF	IC	Forward Look on Airborne Research
09:00				
15'	Jean-Louis Brenguier	FR	EUFAR/COPAL	Introduction to Airborne research
15'	Ils Reusen	BE	VITO	Airborne hyperspectral imaging in Europe: the forward look
15'	John Pyle	UK	UCAM	Stratospheric Airborne Research
15'	Sandro Fuzzi	IT	CNR	Airborne measurements of atmospheric composition for air quality and climate policies
15'	William Krabill	US	NASA	Polar Airborne Research
15'	William Cooper	US	NCAR	Anticipating Science Needs for Airborne Observations of the Atmosphere
10:30-11:00	Coffee Break			
15'	M. Davidson	EU	ESA	Airborne Research in support to Satellite
15'	George Isaac	CA	ENV CA	Airborne Research in support to Aeronautics
15'	Brenda Mulac	US	NASA	UAS for Environment
15'	Frédéric Copigneaux	EU	EASA	Research Aircraft and the EASA
15'	Jean-Louis Brenguier	FR	EUFAR	Airborne RI network in response to civil contingencies (Volcano ash)
15'	Jefferson Stith	US	NCAR/RAF	Management of community large scale airborne research infrastructures
12:30	Conclusions			
15'	Hervé Pero	EU	EC	EC Infrastructure Program
15'	Carlo Rizzuto	IT	ESFRI	Open Access to RIs
15'	Bjorn Stevens	DE	EUFAR-SAC	Conclusions
13:15	Lunch			