B 2.2.1 Description of the Beneficiaries

Participant	Country	Beneficiary name	Relevant expertise and experience
CNRM	FR	Météo-France, Centre National de Recherches Météorologiques	Météo-France has an extensive experience, since 1947, of operating research aircraft for atmospheric studies. Since 2005, Météo-France, CNRS (part. 11) and the French space agency (CNES), jointly manage the French aircraft infrastructure SAFIRE for research in environmental and Geo-sciences. The French fleet comprises a large payload, medium endurance turboprop (ATR-42), a medium payload, medium endurance jet (Falcon-20) and a small aircraft for boundary layer and urban studies (Piper-Aztec). SAFIRE is constituted of 13 scientists/engineers, and 10 technicians. CNRM coordinates the EUFAR network since 2001, and was designated by the EUFAR Consortium for coordinating the COPAL and EUFAR projects in FP7. As part of the EUFAR contract with the Commission, CNRM hosts the EUFAR Office that comprises 4 personnel: the administrator, the web engineer and two multi-language assistants.
INTA	ES	Instituto Nacional de Técnica Aeroespacial	Since its creation in 1942, INTA has developed an intense activity, first in aeronautics and later in space, always in a dual sense: civil and military. The activities of INTA can be grouped in two main fields, Research & Development and Certification & Testing. Research activities are aimed at supporting, fostering and developing the Spanish scientific and technological policy. Since the year 2000, Earth observation is one of its research priorities, and to cover and coordinate the objectives related with this activity the "Earth observation remote sensing and atmospheric research department" was created. This department participates in national and international Earth observation research programs with relevant use of aerospace platforms. INTA also designs, manufactures and integrates new specific instrumentation dedicated to this activity.
FMI	FI	Finish Meteorological Institute	The air chemistry research of the FMI covers a wide spectrum of research topics, including development and application of new methods for size-resolved aerosol measurements, modelling of aerosol dynamics and aerosol-cloud interactions, micrometeorological studies of trace gas exchange between terrestrial ecosystems and the atmosphere, measurement and modelling of biogenic emissions and ozone exposure, measurements of airborne and deposited heavy metals, radioactivity and PAH compounds, and long-term monitoring of aerosol properties and greenhouse gas concentrations. The FMI's researchers have been involved in several measurement campaigns utilising aircrafts, e.g. M55 Geophysica, Learjet, Skyvan and Twin Otter.
NERC	UK	Natural Environment Research Council	NERC has undertaken airborne atmospheric research since 1992, making use of access to the UK Met Research Flight C-130 aircraft up to 2001, and from 2000 operating a Dornier 228 research aircraft in support of both atmospheric and remote sensing research. Recently, in partnership with Met Office (part. 10), a BAe-146 aircraft atmospheric research aircraft was procured, entering service in 2004. NERC has wide experience of providing and managing infrastructure and facilities additional to the airborne facilities described above. The organization maintains and operates a fleet of research ships, and

			supports an extensive and diverse portfolio of scientific facilities including analytical laboratories, satellite geodesy and data receiving stations, national data archiving centres, and scientific equipment pools (marine, geophysical and earth observation). A critical element in operating large and sophisticated research infrastructure is the efficient management of equitable access by the research community: NERC has considerable experience in developing robust and efficient mechanisms for allocating such access (including by means of barter agreements) to its aircraft and ship-based facilities whilst ensuring that only the highest quality of science is maintained.
FCT	PT	Fundação para a Ciência e a Tecnologia	FCT is the Portugal's main funding agency for research with a status of a public organization with administrative and financial autonomy, under the aegis of the Ministry of Science, Innovation and Higher Education. In 2001 FCT's budget was around 20% of the total public research budget in the country. FCT covers all fields of science, from natural sciences to humanities, normally in a responsive mode, aiming at capability enhancement and research excellence. Until our days this general support to the development of the system is complemented with the promotion of research in public policy domains, through thematic programmes launched in cooperation with other public organizations.
CNR	IT	Consiglio Nazionale delle Ricerche	The Department of "Earth and Environment" at CNR coordinates the activity of a number of Institutes in the field of Physics, Chemistry, Geology, Earth observations, Biometeorology, Oceanography, Polar sciences, etc. A number of scientific environmental infrastructures are operated by the CNR Department of Earth and Environment, such as Oceanographic vessels and Polar and High Altitude stations. Several Institutes running airborne experiments belong or cooperate with the CNR Dept. of Earth and Environment, such as the Institute of Science of Atmosphere and Climate (ISAC), The Institute of Bio-meteorology (IBIMET), the Institute for Agriculture and wooded areas (ISAFOM) and the Institute of applied Physics (IFAC). CNR has deep and wide connections with the major national industries in all the industrial fields among which the relations with electronics, chemical, medical, optical, mechanical, bio and nano technological industries must be underlined. CNR also promotes private companies (spin-off) aimed at developing high technological products. CNR could be a high efficient link to national aeronautic, optical, electronic industry in building or refurbishing high technological aircraft and airborne systems.
GSRT	EL	General Secretariat for Research and Technology	The General Secretariat for Research and Technology (GSRT) of the Ministry of Development is the main research funding public organization in Greece. It supports through its programs, the research activities of both the country's scientific research institutes and those of its productive industry, focusing on areas that are important for the national economy and for the improvement of the quality of life. GSRT promotes the transfer and dissemination of advanced technologies throughout the country's productive sector, thus ensuring early utilization of the results of research activity. It contributes to the reinforcement of the country's research manpower. It represents Greece in relevant institutions of the European Union, thus bringing the country's research and technology activities into line with the requirements of the

			international community, and promotes cooperation with other countries and international organizations on research and technology issues. GSRT has designated the Aristotle University of Thessaloniki, and specifically the Associate Professor Alkiviadis Bais, to act as representative in COPAL.
IGFUW	PL	University of Warsaw, Institute of Geophysics	The Institute of Geophysics (IGFUW) is a research and academic unit of the faculty of Physics at the University of Warsaw, under the Ministry of Science and Higher Education. The main activity of IGFUW is education at the graduate and post-graduate level and research. IGFUW is the only academic institution in Poland that offers an atmospheric physics education at the university level. Since 1970, IGFUW is actively participating to airborne research. In the 1970s and 1980s, IGFUW owned a motor glider that was used for airborne studies of cloud microphysics. . Early in the 1990s, IGFUW started to participate to European airborne experiments such as EUCREX, ACE-2, BBC2, and international experiments in the US, such as SCMS, AIRS, DYCOMS-II, RICO. IGFUW has received formal support from the Polish Ministry of Science and Higher Education and her representative, Hanna Pawlowska, has been officially designated for assembling a consortium of Polish shareholders to implement the COPAL infrastructure initiative.
Enviscope	DE	Enviscope GmbH	Enviscope GmbH is a private company (SME) located in Frankfurt/Germany and well-established in the field of airborne research. Central point of the activities is the engineering and modification of scientific instrumentation, their adaptation and certification for use aboard aircraft, and their operation during national and international experiments. Enviscope accomplishes all of these activities in a well-organized network with co-operation partners coming from industry and research. Since the year 2000 Enviscope GmbH is contracted to the EC within the EUFAR infrastructure and offers within this activity airborne platforms for Trans-national Access (TA). Additionally Enviscope is involved in the Joint Research Activity (JRA) of the EUFAR I3. In collaboration with 7 Research Institutes, Enviscope contributes to the design and construction of an Aerosol Reference Pod that can be flown on several aircraft and will serve as a true basis for inter-calibration of airborne aerosol instrumentation.
Met Office	UK	The Meteorological Office	The Met Office has undertaken atmospheric research using aircraft since 1942. This included operating a C-130 aircraft from 1973 – 2001, and most recently, in a partnership with NERC (part. 4) a BAe-146 aircraft. Apart from working closely with aircraft operators and engineers, the Met Office experience covers the design of experimental sorties, logistical arrangements needed to operate aircraft successfully in campaigns (both in UK and abroad), and critically the development, installation and long-term operation of scientific equipment. The Met Office has been contracted to the EC under Framework Programmes 4, 5 and 6 to provide Transnational Access (TA) to its C-130, and later BAe-146 aircraft. Under the current EUFAR contract, the Met Office is coordinating the work packages covering TA and the Expert Working Group on

			Instrumentation. Through these contracts and other collaborations, the Met Office has gained good contacts with European Operators and scientists. In recent years the Met Office has worked closely with BAE Systems to commission the FAAM BAe-146 for an atmospheric research role. As far as design of equipment, its air-worthiness approval and installation are concerned, the Met Office has used a number of specialist UK companies with appropriate design authority; these include BAE Systems, Qinetiq and Cranfield Aerospace.
CNRS	FR	Centre National de la Recherche Scientifique	CNRS is the French National Center for Scientific Research. The Institute for Science of the Universe (INSU) has a long experience, since 1967, of operating research aircraft for atmospheric studies. INSU is also supporting the development of research instrumentation in academic laboratories for the French infrastructures in environmental and Geosciences. Since 2005, CNRS, Météo-France (part. 1) and the French spatial agency (CNES), jointly manage the French aircraft infrastructure SAFIRE for research in environmental and Geo-sciences.
SJ-BERWIN	UK/BE	SJ Berwin LLP	Since its establishment in 1982, the fundamental objective of SJ Berwin has been to provide outstanding legal advice in a dynamic environment. SJ Berwin takes pride in its ability to devise innovative and commercially viable solutions to complex problems. SJ Berwin takes pride in its ability to devise innovative and commercially viable solutions to complex problems. SJ Berwin understands its clients' businesses and is always willing to challenge orthodox views. In a relatively short period, SJ Berwin has evolved into a leading city law firm with offices in Berlin, Brussels, Frankfurt, London, Madrid, Milan, Munich, Paris and Turin. With over 150 partners and more than 500 lawyers, SJ Berwin advises on a comprehensive range of legal services including Corporate Finance, Commercial, Real Estate, Banking, Reconstruction & Insolvency, Financial Services, Litigation, Intellectual Property, Employment é Pensions, EU & Competition, Public Procurement and Tax. SJ Berwin operates in the type of open, accessible and fast-moving atmosphere that promotes progressive thinking and a creative approach to meeting our clients' needs. SJ Berwin understands that the relationship between lawyer and client is of paramount importance and that central to this relationship is a transparency and an open process of communication between all parties. SJ Berwin's client base and particular experience in transport, earth and maritime matters, as well as in energy and natural resources, span the full spectrum of the sector. From the traditional areas of oil and gas, mining, water and electricity to areas that continue to experience rapid growth such as alternative energy generation and renewable resources, energy efficiency, and waste management. SK Berwin acts for a range of clients, from global energy, mining groups and incumbent utilities, to new entrants and start-ups, and from private equity investors and funds to public authorities.