MEMBER COUNTRY: France
National Report to SCAR for year: 2012-2013

Activity	Contact Name	Address	Telephone	Fax	Email	web site
National SCAR Committee						
CNFRA - Comité National Français des Recherches Arctiques et Antarctiques	**SOLIGNAC Amaury** (General Secretory)	TAAF-IPEV, 34 Bd de Sébastolpol, 75004 PARIS, FRANCE	**33 [0]6 61 98 14 46**	**33 (0)9 56 31 03 57**	amaury.solignac@ice-berg.fr	www.cnfra.org
SCAR Delegates						
1) Delegate	**SCHLICH Roland**	EOST, 5 rue René Descartes, 67084 Strasbourg cedex, France	**33 (0)3 88 45 01 91**	**33 (0)3 88 60 38 87**	Roland.Schlich@unistra.fr	
2) Alternate Delegate	**LE MAHO Yvon**	IPHC-DEPE CNRS, 23 rue Becquerel, 67087 Strasbourg Cedex 2, France	**33 (0)3 88 10 69 33**	**33 (0)3 88 10 69 44**	yvon.lemaho@iphc.cnrs.fr	
Standing Scientific Groups						
Life Sciences						
1)	**BACHELARD Claude**	TAAF-IPEV, 34 Bd de Sébastopol, 75004 PARIS, FRANCE	**33 (0)1 56 91 50 30**	**33 (0)1 56 91 50 35**	claude.bachelard@taaf.re	
2)	**KOUBBI Philippe**	UMR BOREA 7208 (MNHN/CNRS/UMPC/IRD) Muséum national d'Histoire naturelle- DMPA 57 rue Cuvier, CP026, 75231 Paris cedex 05, France	**33 (0)1 40 79 30 95**		philippe.koubbi@upmc.fr	
3)	**ROPERT-COUDERT Yan**	IPHC-DEPE - CNRS, 23 rue Becquerel, 67087 Stasbourg Cedex, France	**33 (0)3 88 10 69 36**	**33 (0)3 88 10 69 44**	yan.ropert-coudert@iphc.cnrs.fr	
4)	**HULLÉ Maurice**	INRA-UMR IGEPP, B.P. 35327, 35653 Le Rheu cedex, France	**33(0)2 23 48 51 67**		maurice.hulle@rennes.inra.fr	

Geosciences						
1)	**CHAMBODUT Aude**	EOST, 5 rue René Descartes , 67084 Strasbourg Cedex, France	**33 (0)3 68 85 00 81**	**33 (0)3 68 85 01 25**	aude@eost.u-strasbg.fr	
2)	**MAGGI Alessia**	EOST, 5 rue René Descartes, 67084 Strasbourg Cedex, France	**33 (0)3 68 85 50 28**	**33 (0)3 68 85 01 25**	alessia@sismo.u-strasbg.fr	
3)	**BASCOU Jérôme**	Université Jean Monnet - UMR CNRS 6524 "Magmas et Volcans" 23 rue du Dr Paul Michelon, 42023 St-Etienne	**33 (0)4 77 48 51 24**	**33 (0)4 77 48 51 08**	jerome.bascou@univ-st-etienne.fr	
4)	**PETIT Jean-Robert**	LGGE - CNRS, 54 rue Molière, BP96, 38402 St Martin d'Hères Cedex, France	**33 (0)4 76 82 42 44**		petit@lgge.obs.ujf-grenoble.fr	
Physical Sciences						
1)	**FILY Michel**	LGGE CNRS, 54 rue Molière, BP96, 38402 St. Martin d'Hères Cedex, France	**33 (0)4 76 82 42 35**		fily@lgge.obs.ujf-grenoblefr	
2)	**FOSSAT Eric**	UMR 6525, Parc Valrose, 06108 Nice Cedex 2, France	**33 (0)4 92 07 63 43**		fossat@unice.fr	
3)	**SULTAN Emmanuelle**	CRESCO-MNHN, 38 rue du port Blanc, 35800 Dinard, France	**33 (0)2 23 18 58 82**	**33 (0)2 23 18 58 80**	Sultan@mnhn,fr	
4)	**Vacant, to be nominated**					

Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program						
ITASE						http://www2.umaine.edu/itase/
1)	**FILY Michel**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	**33 (0)4 76 82 42 39**	**33 (0)4 76 82 42 01**	fily@lgge.obs.ujf-grenoble .fr	
2)	**FAVIER Vincent**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	**33 (0)4 76 82 42 68**	**33 (0)4 76 82 42 01**	favier@lgge.obs.ujf-grenoble.fr	
3)	**MAGAND Olivier**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	**33 (0)4 76 82 42 32**	**33(0)4 76 82 42 01**	magand@lgge.obs.ujf-grenoble.fr	
ISMASS						http://www.scar.org/researchgroups/physicalscience/ismass.html
1)	**RITZ Catherine (steering committee member)**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	**33 (0)4 76 82 42 34**	**33 (0)4 76 82 42 01**	catritz@lgge.obs.ujf-grenoble.fr	
EBA (AntEra and AntEco)						http://eba.aq/
1)	**LEBOUVIER Marc** (member of the steering committee)	UMR 6553 CNRS-Univ. Rennes 1, Station Biologique, 35380 Paimpont, France	**33 (0)2 99 61 81 75**	**33 (0)2 99 61 81 87**	marc.lebouvier@univ-rennes1.fr	
2)	**RENAULT David**	UMR 6553 CNRS-Univ. Rennes 1, Campus de Beaulieu, 35042 Rennes, France	**33 (0)2 23 23 66 27**	**33 (0)2 23 23 50 26**	david.renault@univ-rennes1.fr	
3)	**HULLE Maurice**	INRA-UMR IGEPP, B.P. 35327, 35653 Le Rheu cedex, France	**33 (0)2 23 48 51 67**		maurice.hulle@rennes.inra.fr	

Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program continued						
AAA						NIR@ANT
1)	**TAO Charling** (Working Group D)	Centre de Physique des Particules de Marseille, 163 avenue de Luminy, Case 902, 13288 Marseille cedex 09			tao@cppm.in2p3.fr	
2)	**TILQUIN Andre** (Working group D)	Centre de Physique des Particules de Marseille, 163 avenue de Luminy, Case 902, 13288 Marseille cedex 09			tilquin@cppm.in2p3.fr	
3)	**MORETTO Gilberto** (Working group D)	IPNL/IN2P3/CNRS, Domaine scientifique de la Doua, Batiment Paul Dirac, 4, rue Enrico Fermi, 69622 Villeurbanne Cedex	**33 (0)4 72 43 11 08**		Gil.Moretto@ipnl.in2p3.fr	
6)	**ABE Lyu** (Steering committee member)	Université de Nice-Sophia Antipolis, UMR 7293 Lagrange/CNRS, Observatoire de la Côte d'Azur, 06357 Nice Cedex 2	**33 (0)4 92 07 65 93**		lyu.abe@unice.fr	
ACTION GROUPS						
1) **2)** **3)** **4)** **insert others as needed**						
EXPERT GROUPS						
BMMA (Birds and Marine Mammals group)						
1)	**Ropert-Coudert Yan** (secretary)	IPHC-DEPE, CNRS, 23 rue Becquerel, 67087 Strasbourg Cedex, France	**33 (0)3 88 10 69 36**	**33 (0)3 88 10 69 44**	yan.ropert-coudert@iphc.cnrs.fr	
2)	**Charassin Jean-Benoit** (member)	Muséum National d'Histoire Naturelle, 43 rue Cuvier, 75231 Paris cedex 05, France	**33 (0)3 40 79 31 64**	**33 (0) 40 79 57 56**	jbc@mnhn.fr	

Activity	Contact Name	Address	Telephone	Fax	Email	web site
SCADM						
1) **2)**						
SCAGI						
1) **2)**						
NATIONAL ANTARCTIC DATA CENTRE						
French Antarctic metadata are under the administration of IPEV	**LEMAIRE** Thierry	IPEV - Institut Polaire Français Paul-Emile VictorTechnopôle Brest-Iroise, CS 60 075, 29280 Plouzané, FRANCE	**33(0)2 98 05 65 00**	**33(0)2 98 05 65 55**	thierry.lemaire@ipev.fr	http://gcmd.gsfc.nasa.gov/KeywordSearch/Home.do?Portal=amd_fr&MetadataType=0
SCAR DATABASE						
insert name of database for which your country has responsibility						
Our metadata database and the portal are integrated into the (Global Change Master Directory) GCMD. Data from the Antarctic are accessible via this portal: (Global Change Master Directory).	**LEMAIRE** Thierry	IPEV - Institut Polaire Français Paul-Emile VictorTechnopôle Brest-Iroise - CS 60 075 29280 Plouzané FRANCE	**33(0)2 98 05 65 00**	**33(0)2 98 05 65 55**	thierry.lemaire@ipev.fr	http://gcmd.gsfc.nasa.gov/; http://gcmd.gsfc.nasa.gov/KeywordSearch/Home.do?Portal=amd_fr

A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS*:

Life Sciences programs

Acronym	Coordinator	Institution/Adress	Objectives and scientific highlights	Email	Web site
ORNITHOECO (IPEV Prog 109)	**WEIMERSKIRCH Henri**	Centre d'Etudes Biologiques de Chizé, 79360 Beauvoir sur Niort	The program uses seabirds and marine mammals as indicators of global changes in the marine ecosystems of the southern ocean. Through a network of 4 sub-antarctic and antarctic observatories, 25 species of the marine top predators and their distribution at sea are monitored since 50 years	henri.weimerskirch@cebc.cnrs.fr	http://www.cebc.cnrs.fr/
ECONERGIE (IPEV Prog 119)	**ROBIN Jean Patrice**	IPHC-DEPE, CNRS, 23 rue Becquerel, 67087 Strasbourg Cedex, France	Ashore living strategies of penguins: physiologicam mechanisms and evolutionary trade-offs	jean-patrice.robin@iphc.cnrs.fr	http://www.iphc.cnrs.fr/
PHYSIO-ENERGY (IPEV Prog 131)	**ROUSSEL Damien**	UMR 5023 - LEHNA, Bâtiment, R Dubois, Université Claude Bernard Lyon 1- 69622 Villeurbanne Cedex, France	The program is devoted to the study of the physiological, bioenergetics and molecular adjustments that antarctic and sub-antarctic penguin chicks, juveniles and adults (*Pygoscelis Adeliae, Aptenodytes Patagonicus*) develop to overcome energetic challenges impised by polar environmental constraints	damien.roussel@univ-lyon1.fr	http://umr5023.univ-lyon1.fr/
ECOBIO (IPEV Prog 136)	**LEBOUVIER Marc**	UMR 6553 CNRS-Univ. Rennes 1, Station Biologique, 35380 Paimpont, France	Climate change, human activities and biodiversity in subantarctic terrestrial ecosystems. Longterm monitoring studies allow to detect the arrival and possible dispersion of new introduced species	marc.lebouvier@univ-rennes1.fr	http://ecobio.univ-rennes1.fr
ECOPHY (IPEV Prog 137)	**LE MAHO Yvon**	IPHC-DEPE, CNRS, 23 rue Becquerel, 67087 Strasbourg Cedex, France	Adaptive strategies and population dynamics of penguins under environmental constraints. The program determine the extent to which penguins are able to cope with seasonal and interannual climatic changes and their consequence on the localization and abundance of their marine ressources. Ashore automatically tracking and biologging at sea allow us to determine the feeding performance of the birds in relation to their individual expérience and fitness, i.e. immunocompetence and body condition.	yvon.lemaho@iphc.cnrs.fr	http://www.iphc.cnrs.fr/

POPCHAT (IPEV Prog 279)	**PONTIER Dominique**	UMR CNRS 5558 - LBBE, "Biométrie et Biologie évolutive", UCB Lyon 1 - Bât. Grégor Mendel,43 bd du 11 novembre 1918, 69622 VILLEURBANNE cedex, France	Assessing the anatomy of predator-prey relationships to manage reliably cat populations in the ecosystem of Kerguelen	Dominique.Pontier@univ-lyon1.fr	http://lbbe.univ-lyon1.fr
ETHOTAAF (IPEV Prog 354)	**BONADONNA Francesco**	CEFE-CNRS-UMR 5175, Centre d'Ecologie Fonctionnelle et Evolutive,1919 route de Mende, 34293 Montpellier Cedex 05, France	Behavioural ecology of subantarctic birds. Interaction between individuals and between organisms and environment, pass through cues nad clues that modify the behaviour of the receiver. Animals broadcast a wide range of information through calling, colour displays, postures and odours. In the environment, colours, odours, magnetic cues may indicate a source of food or a direction during a deplacement. Our project focalises on signals : 1) olfactory cues, 2) visual cues and 3) acoustic cues, in petrels, albatros and penguins.	francesco.bonadonna@cefe.cnrs.fr	http://www.cefe.cnrs.fr/
OISEAUX PLONGEURS (IPEV Prog 394)	**BOST Charles André**	Centre d'études biologiques de Chizé- CEBC CNRS - Centre d'Etudes Biologiques de Chizé 79360 Villiers-en-Bois France	The objectives is to study how some diving predators may be used to access the effects of the climatic variability at short and long term on the pelagic food webs of the Southern Ocean. The program focused on the at sea ecology and energetic of key diving pulomanry predators (penguins, cormorans, diving petrels (Crozet, Kerguelen, Polar frontal zone) and Adelie land (Antarctic).	bost@cebc.cnrs.fr	http://www.cebc.cnrs.fr
l'AMMER (IPEV prog 1091)	**Ropert-Coudert Yan**	IPHC-DEPE, CNRS, 23 rue Becquerel, 67087 Strasbourg Cedex, France	Adelie penguins as Monitor of the Marine EnviRonment. The program proceeds from the recent internationl efforts towards longterm monitoring of at-sea foraging performances of key species serving as eco-indicators of environmental changes. The data collected allow to identify the preferred foraging zone of Adelie penguins in Adélie land and quantify the hunting effort according to 1/ the avaibility of their main prey and 2/ their own ability to find and capture prey which depends on their individual quality. In partnership with the WWF, these data were included in the databases of International programs of eco-regionalization (Census of Antarctic Marine Life- SCAR)	yan.ropert-coudert@iphc.cnrs.fr	http://www.iphc.cnrs.fr/

HEnergES (IPEV prog 1037)	**GILBERT Caroline**	Ecole nationale vétérinaire d'Alfort, Ethologie, Bâtiment Blin, 7 avenue du Général de Gaulle, 94704 Maisons-Alfort cedex, France	Huddling Energetics of moulting Elephant Seals	cgilbert@vet-alfort.fr	http://www.mabiodiv.cnrs.fr/RubriquesEnFrancais/FichiersIndividuelles/Gilbert.html
CETA (IPEV prog 1014)	**CHARRASSIN Jean Benoit**	Laboratoire d'Océanographie et du Climat: Expérimentations et approches numériques, Unité Mixte de Recherche 7159 CNRS / IRD / Université Pierre et Marie Curie/MNHN.	This project aims at documenting background information on summer presence and relative abundance of cetaceans over the continental shelf off Terre Adélie, Eastern Antarctica. It will consitute one of the rare French contribution to the ongoing assessment of large whales of the Southern Ocean conducted the International Whaling Commission (IWC), as well as to the Regional Non-Lethal Whale Research Partnerships in the Southern Ocean recently proposed by Australia. Two observers will survey relative abundances of minke, fin, humpback, blue, right and killer whales from onboard l'Astrolabe used as a platform of opportunity. Field work will be conducted during existing oceanographic surveys (ICO²TA and ALBION) conducted annually in January off Dumont d'Urville. Cetacean distribution will be related to the distribution of biotic (zooplankton) and abiotic (hydrographic parameters, sea ice condition and physiography) collected during the cruises.	Jean-Benoit.Charrassin@locean-ipsl.upmc.fr	http://www.locean-ipsl.upmc.fr
REVOLTA (Prog IPEV 1124)	**LECOINTRE Guillaume**	Institut Pierre Simon Laplace, Boîte 100 - 4, place Jussieu 75252 PARIS Cedex 05,	The East Antarctic situated between the Mertz and Astrolabes ice tongues, recently sampled (CEAMARC), displays a number of different biotopes likelyto produce "species flocks". Especially, archipelagos form fragmented habitats that could favour rapid speciation of some taxonomic groups. Pointe Geology is chosen as model environment and five taxa that are thought to have produced "micro spcies flocks" (notothenoids, crinoids, echinoids, isopods, algae) are studied at taxonomic and temporal scales.	lecointr@mnhn,fr	http://www.mnhn.fr/glecointre/ http://www.mnhn.fr/oseb/

Geosciences programs					
SISMOLOGIE/OBS (IPEV prog 133)	**ALESSIA Maggy**	EOST, 5 rue René Descartes, 67084 Strasbourg Cedex, France	Global Seismological Observatory (GSO). The main purpose of the program is the observation of the ground displacement in the high latitudes of the southern hemisphere at broadband frequencies and with large dynamic range. The data recorded are distributed to the international scientific community through several means www.ftp. CDs and more recently in real time. The continuity, quality, stability and homogeneity of those observations are of the upmost importance for their continued usefullness.	alessia@sismo.u-strasbg.fr	http://eost.unistra.fr/
GEOMAGNETISME (IPEV Prog 139)	**CHAMBODUT Aude**	EOST, 5 rue René Descartes , 67084 Strasbourg Cedex, France	The permanent magnetic observatories of Amterdam, Crozet, Dumont D'Urville and Kerguelenare fulfiling the intermagnet (INTErnational Real-time MAGnetic observatory NETwork) standards. In these observatories, the earth's magnetic field is continuously recorded with sampling rates of 1s. Absolute measurements of the magnetic field components are also performed regularly (evry two days) along the year. The data processing and dissemination, to the World Data centers (W.D.C. for geomagnetism) across the intermagnet network, are quasi realtime thanks to the recent acquisition system integrating daily shipment protocols.	aude@eost.u-strasbg.fr	http://eost.unistra.fr/
ArLiTA (IPEV Prog 1003)	**BASCOU Jérôme**	Université Jean Monnet - UMR CNRS 6524 "Magmas et Volcans" 23 rue du Dr Paul Michelon, 42023 St-Etienne	Architecture of the East Antarctic lithosphere-Terre Adélie. The program integrates various complementary appraoches mapping from seismological dat, systematic mapping of the structures by tectonic analysis, petrophysics (textural analyses, Anisotropy of Magnetic Susceptibility (AMS), seismic properties modeling...), characterization of materials and paleofluids (petrology, geochemistry) and thermomecanics (thermobarometry).	jerome.bascou@univ-st-etienne.fr	

MAGNETISME/OBS (IPEV prog 905	**CHAMBODUT Aude**	EOST, 5 rue René Descartes , 67084 Strasbourg Cedex, France	Permanent Magnetic Observatory at Concordia. The observatory allows to perform measurements at one second sampling rate and absolute measurements of the three components of the Earth's magnetic field. The maintenance of facilities, processing and scientific valorization of the data is done in collaboration with Istituto Nazionale di Geophisica e Vulcanologia (INGV), Rome. The observatory follows INTERMAGNET's recommendations and all the data are disseminated to the WDCs (World Data Centers).	aude@eost.u-strasbg.fr	http://eost.unistra.fr/
SISMOCONCORDIA (IPEV prog 906)	**LEVEQUE Jean-Jacques**	EOST, 5 rue René Descartes , 67084 Strasbourg Cedex, France	The program has two main goals : the set up and operation of a broad-band station "obseravtory like" and the deplyment of a seismometer array. Both aspects of the program aim at contributing the study of both Earth's structure and earthquakes. The goal of the seismometer array is to observe low-energy seismic waves. The Concordia site benefits from severalk favorable conditions for deploying such an array.	jjleveque@unistra.fr	http://eost.unistra.fr/recherche/ipgs/si/
NIVMER (IPEV Prog 688)	**TESTUT Laurent**	LEGOS/CNES 18, av. Edouard Belin, 31401 Toulouse cédex 9, France	The NIVMER program of the ROSAME tide gauge network - http:/www.legos.obs-mip.fr/en/observations/rosame/ - is complementing several national research programs using in situ sea level variation observations, in the peri-antarctic area of the Indian Ocean. These programs are related to tsunami warming system, satellite altimetry processing and validation, Antarctic Circumpolar Current monitoring and secular mean sea level trends. This tide gauges network is part of the GLOSS global network.	aurent.testut@legos.obs-mip.fr	http://www.legos.obs-mip.fr

Physical sciences programs					
GLACIOLOGIE (IPEV Prog 902)	**RITZ Catherine**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	The permanent station at Concordia near the EPICA site is considered of a great interest for glaciological studies. The main goals of the program are a better interpretation of ice cores with a focus on validation of the transfer functions atmosphere/snow/ice and the analysis at Concordia of ice cores that will be collected during 2010-2011 traverses and ice drilling under other IPEV programs; the understanding of local ice flow dynamics and estimation of current thichness change in central part of Antarctica based on surface observation, modeling remote sensing approaches and innovative measurements in the borehole.	catritz@lgge.obs.ujf-grenoble.fr	http://lgge.osug.fr/
GLACIOCLIM-SAMBA (IPEV Prog 411)	**FAVIER Vincent**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	This is the Antarctic component of the CLACIOCLIM ORE:SO, to detect, monitor and understand climate and mass balance variability and change in the glacial environment. The program maintains a surface mass balance network at Cap Prud'homme (CP, summer and winter surveys), along a 150 km transept (1 survey/year), and at Concordia (1 survey /year or more). Meteorological instruments are also be deployed near CP and special meteorological and glaciological observing periods are organized.	favier@lgge.obs.ujf-grenoble.fr	http://www-lgge.ujf-grenoble.fr/ServiceObs/contexte.htm
GLACIOCLIM-KESAACO (IPEV Prog 1048)	**FAVIER Vincent**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	This program is the exploratory step for Kerguelen Component of the CLACIOCLIM observatory. It is essential to study the climate/glacier relationship to describe the main factors that induced the current dramatic retreat of the Cook icecap. The current project plans to deploy and maintain a surface mass balance network, and meteorological instruments on and around the glacier according to glacioclim protocols.	favier@lgge.obs.ujf-grenoble.fr	http://www-lgge.ujf-grenoble.fr/ServiceObs/contexte.htm
DACOTA (IPEV prog 1053)	**LEMEUR Emmanuel**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	The program aims at a perennial and extended survey of the test zone of glacier de l'Astrolabe (Adelie Land). Not only such a pannel of observations allows for a better characterization of the glacier dynamics (the role of these outlet glaciers on the overall mass balance of large parts of the ice sheet is crucial) but it also proves necessary for properly running and validating an ice flow model in order to produce realistic forecasts of the future of theses glaciers and the consequences on sea level.	Emmanuel.Lemeur@lgge.obs.ujf-grenoble.fr	http://lgge.osug.fr/

CALVA (IPEV prog 1013)	**GENTHON Christophe**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	The program is designed to acquire field data in Adelie Land and at the Dome C to better verify, validate or improve meteorological and climate modeling at the process scale and satellite retrieval over the Antarctic region. This project takes over the IPY-CONCORDIASI project for the IR and meteorological modeling and it is the field component of the "surface mass balance uncertainties" workpackage of the FP7 European project ICE2SEA started in 2010	Christophe.Genthon@lgge.obs.ujf-grenoble.fr	http://lgge.osug.fr/
BIPOL-SMR (IPEV prog 1073)	**PICARD Ghislain**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	The main objective of the program is to collect unique snow measurements in three different environments representative of the terrestrial Antarctic and Arctic, at Dome C station in Antarctica, Barnes ice cap and in the arctic tundra in Canada. The data will allow the validation of microwave models used in the retrieval of climate and glaciological variables from microwave satellite data.	Ghislain.Picard@lgge.obs.ujf-grenoble.fr	http://lgge.osug.fr/
NDACC-Antarctica (IPEV prog 209)	**JUMELET Julien**	Latmos, Tour 45, couloir 45-46, 3e et 4e étages, Boite 102, Université Pierre et Marie Curie, 4 Place Jussieu, 75252 Paris Cedex 05, France	This program is the Antarctic and sub-antarctic component of the NDACC-France Observing Service which is the French contribution to the international NDACC (Network for Detection of Atmospheric Composition Changes). This network aims to the monitoring of upper troposphere-low stratosphere (UTLS) chemical composition, in order to detect trends and variability, as well as climatic interactions. NDACC contributes to feed decision processes in the frame of the Montreal Protocole.	Julien.Jumelet@latmos.ipsl.fr	http://www.latmos.ipsl.fr/
RAYCO (IPEV prog 227)	**KLEIN Karl Ludwig**	LESIA, Observatoire de Paris, Section de Meudon, 5, place Jules Janssen,92195 MEUDON Cedex, France	Observation of the nucleonic cosmic ray component 1/as the french contribution to the international network of neutron monitors; 2/ to study relativistic proton acceleration in solar flares; 3/ to improve the understanding of cosmic ray propagation in the heliosphere; 4/ to provide the data for, and to improve the models used by the Sievert System (DGAC-French Civil Aircraft Authority).	ludwig.klein@obspm.fr	http://lesia.obspm.fr/

SUPERDARN KER (IPEV prog 312)	**MARCHAUDON Aurélie**	Laboratoire de Physique et Chimie de l'Environnement et de l'espace, 3A, avenue de la Recherche Scientifique 45071 ORLEANS Cedex 2	The SuperDARN (Super Dual Auroral Radar Network) network of coherent High-Frequency (HF) radars is dedicated to global observations of the convection of the ionospheric plasma in the high-latitude regions: auroral zones and polar cap. The french SuperDARN Kerguelen radar is conjugate with the english Hankasalmi radar and with the incoherent scatter radars, ESR and EISCAT, all located in Scandinavia. This configuration greatly enhances the capabilities of the whole SuperDARN project on most of the scientific objectives, but more particularly on those centred on magnetic conjugacy between hemispheres. It will allow to understand the nature and the limits of magnetic conjugacy. Moreover, the SuperDARN network gives also complementary measurements to experiments onboard satellites, bringing a better understanding of the whole solar wind-magnetospshere-ionosphere system, particularly its evolution with time.	aurelie.marchaudon@cnrs-orleans.fr	http://lpce.cnrs-orleans.fr
BRAIN (IPEV prog 915)	**MASI Silvia**	Dipartimento di Fisica, edificio Marconi, Sapienza - Università di Roma, P.le Aldo Moro 2, 00185 Roma - Italia	The aim of our program is to observe the microwave polarization of the sky from Dôme C with the main scientific objective the first B mode measurement of the Cosmic Microwave Background polarization. This program requires the set up on site of a complex instrumentation which is as robust on the measurement side as on its system side. The instrument installation would be carried out progressively until 2008 and the observation campaigns would run until 2015.		http://www.uniroma1.it/
HAMLET (IPEV prog 1007)	**WROBEL Frédéric**	Institut d'Electronique du Sud UMR5214, RADIAC, Université Montpellier 2 - cc/084, Place Eugène Bataillon, 34095 Montpellier CEDEX 5, France	Cosmic rays continuously reach the Earth atmosphere which lead to various dysfunctions in electronic components and systems. These dysfunctions are critical for applications dealing with security, transport or health... In this context, the knowledge of the atmospheric radiation environment is crucial. Data can be obtained either by detection of natural particles in the atmosphere or by directly observing their effects on electronic devices. Locations with high altitude and high latitude are particularly of interest since particule fluxes are harsh.	frederic.wrobel@ies.univ-montp2.fr	http://www.ies.univ-montp2.fr/index.php?option=com_content&view=article&id=77&Itemid=101&lang=en

CESOA/ORE (IPEV prog 414)	**LEGRAND Michel**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	The atmospheric Sulfur cycle at mid and high southern latitudes: interannual variability of marine DMS emissions (sea-ice, ocean temperature, oceanic DMS content, chlorophyll a, short-term climatic event such as ENSO) and future response to global climate change. That includes a year-record study of DMS and sulfur aerosol at DDU, Amsterdam and Concordia Station, DMS in seawater collected during ship traverses between different stations.	Michel.Legrand@lgge.obs.ujf-grenoble.fr	http://lgge.osug.fr/
CHIMIE ATMO DC (IPEV prog 903)	**LEGRAND Michel**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	The program 903 is aimed to study the coupling between dynamic and chemistry on the high antarctic plateau at Concordia Station. Long term monitoring of ozone and other acidic trace gases in proposed, in association with the developpement of vertical measurements of atmospheric chemical species and their links with dynamical processes. Implications for the incorporation and depositions of impurities in Dôme C ice cores will be studied.	Michel.Legrand@lgge.obs.ujf-grenoble.fr	http://lgge.osug.fr/
AEROTRACE (IPEV prog 415)	**SCIARE Jean**	Laboratoire des Sciences du Climat et de l'Environnement, LSCE-Orme, point courrier 129,CEA-Orme des Merisiers, 91191 GIF-SUR-YVETTE CEDEX, France	The main objective of this program is to better document the role of reactive (short-lived) atmospheric species (gases and aerosols) in the Austral Ocean. Long term observations of aerosol properties are performed at 3 monitoring stations (Amsterdam Island, Crozet Island, Cape Point) for that purpose in order to better document spatial and temporal variability of aerosol sources and better characterize their contribution to the radiative forcing of aerosols in the Austral Ocean.	Jean.Sciare@lsce.ipsl.fr	http://www.lsce.ipsl.fr
RAMCES-AMS/ORE (IPEV prog 416)	**WASTINE Benoit**	Laboratoire des Sciences du Climat et de l'Environnement, LSCE-Orme, point courrier 129,CEA-Orme des Merisiers, 91191 GIF-SUR-YVETTE CEDEX, France	The objective of the RAMCES-AMS program is the long term monitoring of greenhouse gases (CO2, CH4, N2O, SF6). To properly characterize the air masses we are also performing continuous measurements of Radon-222 and meteorological parameters, and weekly air sample to analyze CO, H2 and CO2 isotopes. The atmospheric measurements performed at Amsterdam enables a quantification of the oceanic carbon sink, and the trace gases emissions from Southern Africa. During the 4 years project we will upgrade the Amsterdam observatory in order to integrate this station to the European Research Infrastructure ICOS.		https://icos-atc-demo.lsce.ipsl.fr/node/31

HAMSTRAD (IPEV prog 910)	**RICAUD Philippe**	Laboratoire d'Aérologie, CNRS - Université Toulouse 3 - O.M.P., 14 avenue Edouard Belin, 31400 -TOULOUSE, France	The instrument named HAMSTRAD (H2O Antarctica Microwave Stratospheric and Tropospheric Radiometers) has been automatically measuring in the microwave domain water vapour (183 GHz) and temperature (60 GHz) from 0 to 10 km above Dome C (Antarctica) since January 2010. The aim of the programme is the study of the long-term evolution of water vapour and temperature from the planetary boundary layer to the tropopause and its impact on climate change. In addition to the long-term trends, the diurnal cycles, the seasonal variabilities and some specific case studies are intended to be analyzed. The HAMSTRAD measurements will be compared to the space-borne measurements (IASI, AIRS), in-situ sensors along the 45-m high tower, daily radiosondes, ECMWF analyses/forecasts, and the Météo-France climate model outputs. Along with the polar process studies, the project will also participate to the validation of space-borne sensors, model outputs and ECMWF analyses/forecasts. ECMWF.	philippe.ricaud@aero.obs-mip.fr	http://www.aero.obs-mip.fr/
SAWfPHY-Concordia (IPEV prog 1098)	**HERTZOG Albert**	Laboratoire de Météorologie Dynamique - LMD (CNRS, Université Paris 6, IPSL, Ecole Normale Supérieure), 45, rue d'Ulm / 29, rue d'Ulm / 24 rue Lhomond, 75230 Paris cedex 05, France	The SAWfPHY-Concordia project is aimed at making new measurements of atmospheric moisture at the Concordia polar station during winter. These measurements will use the new surface acoustic wave SAWfPHY hygrometer, currently developed at LMD in the frame of the Stratéole Phase 2 balloon project. The observations collected at Concordia will serve on the one hand to validate the recent developments of the hygrometer in conditions close to those encountered in the stratosphere, and will be used on the other hand to characterize surface moisture on the Antarctic Plateau, as well as humidity gradient in the polar boundary layer.	albert.hertzog%20@%20lmd.polytechnique.fr	http://www.lmd.jussieu.fr/

GMOstral (IPEV prog 1028)	**DOMMERGUE Aurélien**	Laboratoire de Glaciologie et Géophysique de l'Environnement, 54 rue Molière, BP 96, 38402 St Martin d'Hères, France	The GMOstral is initiated by a European project GMOS (Global Mercury Observation System), which aims at developing a coordinated global observation system for the global pollutant, atmospheric mercury (Hg). This will then provide high quality data for the validation and application of regional and global scale atmospheric models, to give a firm basis for future policy development and implementation. In this context we propose to implement three Hg monitoring stations in sub-Antarctic and Antarctic sites in order to document and monitor the atmospheric Hg trends in remote places of the southern hemisphere and to study the almost unknown reactivity of Hg in those regions, in particular diurnal cycling, deposition, and reemission trends in Antarctica.	Aurelien.Dommergue@lgge.obs.ujf-grenoble.fr	http://lgge.osug.fr/
ALBION (IPEV prog 452)	**HOUSSAIS Marie Noëlle**	Laboratoire d'Océanographie et du Climat: Expérimentations et approches numériques, Unité Mixte de Recherche 7159 CNRS / IRD / Université Pierre et Marie Curie/MNHN. Institut Pierre Simon Laplace, Boîte 100 - 4, place Jussieu 75252 PARIS Cedex 05,	The ALBION project, launched in 2006, aims at documenting the formation of the Adélie Land Bottom Water, the third source of Antarctic Bottom Water formed on the eastern Antarctic shelf off the George V Land / Adelie Land Coast. Regular summer hydrographic and sediment coring surveys together with continuous monitoring of the key formation and export areas should help understanding the general circulation on the shelf, its link to the sediment dynamics and its impact on the interannual variability of the dense water export. ALBION is part of a French-Australian collaboration between CSIRO (Hobart) and LOCEAN, bearing on data sharing and joint operations at sea.	marie-noelle.houssais@locean-ipsl.upmc.fr	https://www.locean-ipsl.upmc.fr

ICELIPIDS	**MASSE Guillaume**	Laboratoire d'Océanographie et du Climat: Expérimentations et approches numériques, Unité Mixte de Recherche 7159 CNRS / IRD / Université Pierre et Marie Curie/MNHN. Institut Pierre Simon Laplace, Boîte 100 - 4, place Jussieu 75252 PARIS Cedex 05,	The current project aims to investigate whether some well characterised organic chemicals from microalgae can be used as proxy indicators of current and past sea ice levels in the Antarctic area. This project will consist of performing a calibration of the proxies. Concentrations of selected biomarkers in sea ice and phytoplankton samples collected across seasons will be correlated both with the environmental conditions and sea ice physical properties. The outcomes of this project will then enable reconstructions of past sea ice extents to be performed at unprecedented high resolution. In addition, specimens from key Antarctic ecosystem species will be collected and their lipid content determined in order to assess whether selected biomarkers from microalgae can be used as a tool for studies on the impacts of current and future climate change on polar ecosystems.	Guillaume.masse@locean-ipsl.upmc.fr	https://www.locean-ipsl.upmc.fr/
ASTEP (IPEV prog 1066)	**GUILLOT Tristan**	Observatoire de la Cote d'Azur CNRS / Laboratoire Cassiopée, B.P. 4229, 06304 Nice Cedex 4,FRANCE	ASTEP is an astronomy programme designed to monitor photometrically the dome C sky. Its aims are (1) to assess precisely the photometric quality of the Concordia site (2) to discover and characterize exoplanets transiting in front of their stars and (3) to prepare future ambitious campaigns for the characterization of super-Earths. Installation and first observations with ASTEP 400 will start in 2010-2011. ASTEP will allow precise photometric observations of target of opportunities (transiting exoplanets, microlenses...etc.) in the South hemisphere during antarctic winters until 2014. It will be possible to usefully combine the observations with those of other instruments on the site (e.g. IRAIT).	guillot@obs-nice.fr	https://www.oca.eu/michel/GroupePlaneto.html
PBL (Extension of Astro-Concordia 2011 - IPEV prog 908)	**MERIEME Chadid** **ABE Lyu**	Université de Nice-Sophia Antipolis, UMR 7293 Lagrange/CNRS, Observatoire de la Côte d'Azur, 06357 Nice Cedex 2	Profil of Lunar Limb	chadid@unice.fr; Lyu.Abe@unice.fr	http://www.phys.unsw.edu.au/IAUS288/Presentations/abe.pdf
ANGISS	**LANGLOIS Maud**	CNRS - CENTRE DE RECHERCHE ASTROPHYSIQUE DE LYON, 9 avenue Charles André, 69561 Saint Genis Laval, France	"Assessment of a New Generation of Infrared Sky Survey for the E-ELT and EUCLID era" is a project proposed to the french ANR in october 2013. The project was presented to the SCAR by Isabelle Vauglin (Lyon) : AAA2013 workshop in July 2013.	maud.langlois@obs.univ-lyon1.fr	http://www.iau.org/administration/membership/individual/15239/

Human and social sciences					
Turnover TA (IPEV Prog 1046)	**VILLEMAIN Aude**	U.F.R. SCIENCES ET TECHN ACTIVITES PHYSIQUES ET SPORTIVES, Campus du Moulin de La Housse, Chemin des ROULIERS, BP 1036, 51687 REIMS Cedex 2, France	Psychological difficulties during wintering affect both interpersonal relationships and operative adaptation (i.e. discrepancy between expected situations and real situations). This study aims at investigating the regulation and knowledge transfer between two dyads of colleagues during the turnover. The results could allow to identify the processes used during the turnover in order to facilitate knowledge transfer, and to optimize the winterers' preparation (training and technical support) to wintering.	aude.villemain@univ-reims.fr	http://www.univ-reims.fr/site/laboratoire-labellise/ea-4298-laboratoire-de-psychologie-appliquee-lpa,10030.html?
ICE-Q (IPEV Prog 1136)	**NICOLAS Michel**	UFR des Sciences et Techniques des Activités Physiques et Sportives (STAPS), CAMPUS MONTMUZARD, BP 27877, 21078 DIJON CEDEX, France	The aim of the program is to study social, occupational, environmental and psychological variables which are among the most important determinant in adaptation to Isolated and Confined Environments, the so-called ICEs. The evolution and the relationships between these variables will be investigated. Furthermore, in an interdisciplinary approach, we propose to analyze the relationships between psychological and medical data available in order to evaluate the relevance of the psychological measures. This program aims to gather data in order to construct standardized tools that will help evaluating individual and collective adaptation in ICEs which would facilitate both recruitment and follow-up of the implicated crews.	Michel.Nicolas@u-bourgogne.fr	http://www.u-bourgogne.fr

***** Please include any scientific activities you believe might be considered bioprospecting (http://www.scar.org/treaty/atcmxxxiii/ see WP2)