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ESA Earth Observation Campaigns Data

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ESA Earth Observation Campaigns Data

- The datasets resulting from ESA airborne campaigns, available on Internet or media, can be accessed by submitting a request on the [ESA EO Campaigns data](#) section of the PI Community
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Campaign (with link to final report PDF)	Year	Geographic site(s)	Field of application	Data availability	Data Size (in Gb)	Workshop Proceedings
CHARADMexp	2014	Finokalia, Crete	Lidar ground measurements of marine and marine-dust aerosols	online	8.1 Gb	
AlpTomoExp	2014	Mittelbergferner, Austrian Alps, Austria	Airborne L-Band SAR Data together with ground-based in-situ and GPR data	on media	100 Gb	
DOMEX-3	2014	Antarctica, DOME-C	Tower based L-Band radiometric measurements and in-situ snow temperatures	on media	29.5 Mb	
CryoVEx ASIRAS	2014	Arctic	Sea-Land ice radar altimetry and laser scanner	on media	148 Gb	
CryoVEx AEM	2014	Beaufort Sea, Arctic Ocean north of Canada and Greenland	Airborne EM-bird, ground measurements	online	< 1 Gb (575.3 Mb)	
SMOSice	2014	Barents Sea, SE Svalbard	Airborne L-Band radiometer data, ALS, EM-bird, surface temperature and radiation	online	75.3	
FLEX-US	2013	Forest sites, N. Carolina	Airborne hyperspectral data and ground-based in-situ	on media	6 TB	
DOMEX-3	2013	DOME C, Antarctica	Tower based L-Band radiometric measurements and in-situ snow temperatures	online	44 Mb	
SEN2EXP	2013	Mulhouse (France)	Forested area in support to Sentinel-2 mission	on media	More than 50Gb	
DOMECair (GOCE)	2013	DOME C, Antarctica	Airborne gravity data	on media	More than 50Gb	
DOMECair (SMOS)	2013	DOME C, Antarctica	Airborne L-Band radiometer data	online	0.12	
HYFLEX	2012	Agricultural areas (Germany); Forest areas (CZ)	Airborne hyperspectral data and ground-based in-situ	on media	3TB	
IceSAR	2012	Greenland and Iceland	P-band SAR, sounding and tomography data over land ice	on media	More than 50Gb	
C-MAPExp	2012	Rhine-Ruhr Area (Germany)	Atmospheric CO2 and CH4 data from strong local greenhouse gas sources	on media	More than 50Gb	
CryoVEx	2012	Arctic	Sea and land ice Radar and	online		

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			laser altimetry		
KaSAR	2012	Southern France	Ka-Band SAR over natural (land, water) and anthropogenic targets	online	1.9
ROVE (1975-1981)	2012	Agricultural Farms, Flevoland (NL)	Scattering of microwaves by crops and soils (Revived Radar Observation on VEgetation - ROVE)	online	0.13
TropiScat	2011 2012	Paracou (French Guiana)	Tropical Forest Biomass. Long-term tower-based tomographic P-Band radar measurements	on media	More than 50 Gb
NoSREx-I, -II and -III	2009- 2012	Sodankyla (Finland)	Snow water equivalent by means of active and passive Microwave observations	online	0.08
ESSenCe	2011	Kiruna (Sweden)	Atmospheric composition (PREMIER)	online	0.42
CryoVExGround	2011	Alert (Canada)	Profiles, Drill holes and EM-Bird data	online	
CryoVEx	2011	Arctic	CryoSat sea and land ice Cal/Val	online	
POLARIS	2011	Antarctica	P-Band ice-sheet sounding	online	2.8
SnowSAR	2011	Lapland (Finland)	X- and Ku-Band SAR imagery	online	0.4
DOMEX-2	2010	DOME C, Antarctica	L-Band radiometer data (SMOS) Meteorological and ground data	online	0.29
CryoVExAnt	2010 2011	Antarctic	Kinematic GNSS surface height and snow thickness	online	
CryoVEx	2010	Arctic	Sea and land ice Radar and laser altimetry	online	
BIOSAR-3	2010	Remningstorp (Sweden)	Forest Biomass Mapping using L- and P-band SAR	on media	More than 50 Gb
PremierEX	2009 2010	Germany (2009) Northern Polar region - Kiruna, Sweden (2010)	Atmosphere Limb Sounding	online	1.1
CoSMOS	2005 2007 2008 2010	Australia (2005) Finland (2007) Germany-Spain (2008) Germany (2010)	Soil Moisture, Sea Ice, Sea Surface Salinity front with L-band radiometer	on media	More than 50 Gb
CoSMOS	2006	North Sea (Norway)	Sea Surface Salinity with L-band radiometer, Sea Surface Roughness with GNSS reflection	online	7.4
POLARIS - Proof-of-Concept	2009	Greenland	P-Band ice sheet sounding	online	0.4
AgriSAR	2009	Barrax (E) Flevoland (NL) Indian Head (CDN)	Simulated Sentinel-1 SAR imagery for agricultural monitoring	on media	More than 50 Gb
TropiSAR	2009	Nouragues, Paracou (French Guiana)	Tropical forest biomass mapping using L- and P-Band SAR	on media	More than 50 Gb
THERMOPOLIS	2009	City of Athens (Greece)	Urban Heat Islands (Multispectral Thermal Infrared)	on media	More than 50 Gb
SEN3EXP	2009	Boussole (F), San Rossore (I), Venice AAOT(I), Barrax (E)	Ocean, forested and cultivated areas in support to Sentinel-3 mission	on media	More than 50 Gb
CryoVExAnt	2008 2009	Antarctic	Radar and kinematic GNSS surface height	online	
CryoVEx	2008	Arctic	Sea and land ice Radar and laser altimetry	online	
BIOSAR-2	2008	Krycklan (Sweden)	Forest Biomass Mapping using L- and P-band SAR	on media	More than 50 Gb
POLARIS Proof-of-Concept	2008	Greenland	P-Band ice sheet sounding	on media	More than 50 Gb



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DESIREX	2008	City of Madrid (Spain)	Urban Heat Islands (Multispectral Thermal Infrared)	on media	More than 50 Gb	
CEFLES2	2007	Les Landes (France)	Urban, forested, cultivated and burned areas in support to Sentinel-2 and FLEX missions	on media	More than 50 Gb	
ICESAR	2007	Svalbard (Norway)	Land and Sea Ice (C-, L-, P-bands)	on media	More than 50 Gb	
BioSAR	2007	Remningtorp (Sweden)	Forest biomass mapping using L- and P-Band SAR	online	42	
AGRISAR	2006	Demmin site (Western Pomerania, D)	Agriculture	on media	More than 50 Gb	esa wpp-279
EAGLE	2006	Cabauw, Loobos, Speulderbos (NL)	Natural Vegetation (Grassland and Forest)	on media	More than 50 Gb	esa wpp-279
AIRFIRE	2006	Central Italy	Forest and bushes fire monitoring	online	8.5	
AQUIFEREX	2005	Ben Gardane, Gabes (Tunisia)	Soil moisture, land use, land cover classification	on media	More than 50 Gb	
SEN2FLEX	2005	Barrax (E)	Agriculture	on media	More than 50 Gb	esa wpp-271
WALEX	2002, 2005	Indian Ocean and Micronesia and North and Middle Atlantic	Atmosphere	online	2.6	
BACCHUS-DOC	2005	Frascati (I)	Agriculture	online	23	
INDREX-2	2004	Kalimantan (Borneo), Indonesia	X-, C-, L- and P-Band SAR over Tropical Forest	on media	More than 50 Gb	
DOMEX-1	2004	Dome-Concordia (Antarctica)	SMOS	online	0.8	
SPARC	2003-2004	Barrax (E)	Agriculture	on media	More than 50 Gb	esa wpp-250
Terra SARSim	2003	Barrax (E)	Agriculture	on media	More than 50 Gb	
Cryovex	2003	Greenland, Svalbard	Sea-ice & Inland ice	online	20	
SIFLEX	2002	Sodankyla (FIN)	Forest fluorescence	online	2.9	
ESAG	2002	Greenland, Svalbard	Gravity field	online	14	
LaRa	2002	Greenland, Svalbard	Ice-sheets & sea ice	on media	More than 50 Gb	
LOSAC	2000-2002	North Sea	Ocean	online	0.8	esa sp-525
WISE	2000-2001	Spanish Catalan Shelf	Wind and Salinity (SMOS)	online	1.8	esa sp-525
CLARE	2000-1998	Brest (UK), Britigny (F)	Atmosphere	online	1.4	esa wpp-170

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