

European Space Agency IPY Announcement of Opportunity Projects

The ESA call for proposals for IPY Projects was successfully received by the scientific community with some 48 submitted proposals retained for evaluation. Based on the outcome of their scientific review, it was recommended to:

- directly accept 38 projects
- accept 7 projects after minor modifications have been performed by PIs
- accept 3 projects after major modifications have been performed by PIs

The 10 project requiring updates are provisionally approved, pending final data request modifications and proposal updates by the Principal Investigators (PIs).

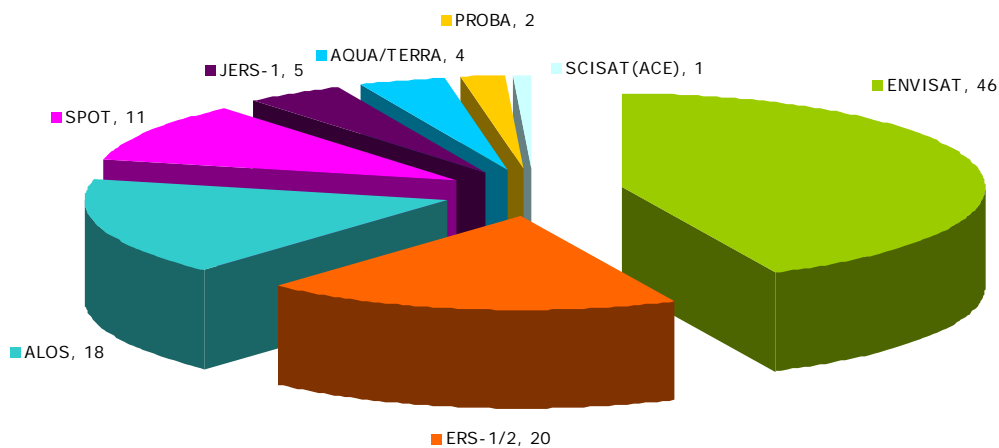


Figure 1 Number of proposals by ESA or ESA third Party mission requested

The following Table (sorted by country of PI) contains complete list of proposals formally approved through the ESA IPY Data AO by the ESA Earth Observation Programme Board (PB-EO). These IPY Projects will be given a final products quota, compatible with the ESA and Third-Party missions' acquisition and production capacities. Each Proposal contains a unique ESA IPY ID, and is also linked explicitly to specific IPY Projects by an appropriate IPY Project ID reference.

ESA IPY AO ID	PI Name	PI Institute	Country	Proposal's Title	Linked IPY ID
4125	YOUNG	Antarctic Climate & Ecosystems Cooperative Research Centre and AGAD	AUSTRALIA	Antarctic iceberg abundance, drift, dispersion and dissolution rates in the Southern Ocean	ID 21 Southern Ocean Iceberg Census (SOIC)
4114	Heil	Australian Government Antarctic Division and ACE CRC	AUSTRALIA	Complete Mapping of Antarctic Sea Ice Dynamics and Thickness	ID 108 Buoys Encompassing the AntaRctic: an enhanced Deployment Strategy (BEARDS)
4123	Massom	Australian Govt. Antarctic Division and Antarctic Climate and Ecosystems CRC	AUSTRALIA	Mapping and Monitoring of Circum-Antarctic Fast Ice	ID 277 Antarctic Fast Ice Network (AFIN)
4129	Massom	Australian Govt. Antarctic Division and Antarctic Climate and Ecosystems CRC	AUSTRALIA	Understanding Changing Ice Flow and Rift Propagation in the Mertz Glacier Tongue, East Antarctica	ID 249: Collaborative Research into Antarctic Calving and tabular iceberg processes (CRAC)
4085	Sharov	Institute of Digital Image Processing, JOANNEUM RESEARCH	AUSTRIA	Polar observations by laser altimetry, radar interferometry and stereometry (POLARIS)	ID 37: Dynamic response of Arctic glaciers to global warming" (GLACIODYN)
4136	Hubert	International Polar Foundation	BELGIUM	The Arctic Arc 2007 -Traverse over the Arctic Ocean and Greenland, on foot	N/A
4118	Sharp	University of Alberta	CANADA	Hydrological controls on the dynamic response of Devon Island ice cap to climate change	ID 30: GlacioDyn
4083	Barber	Centre for Earth Observation Science, University of Manitoba	CANADA	The Circumpolar Flaw Lead (CFL) System Study	ID 687: Circumpolar Flaw Lead (CFL) Study
4106	van der Sanden	Natural Resources Canada, Canada Centre for Remote Sensing	CANADA	Earth Observation for Environmental Mapping and Monitoring in the Canadian Arctic	ID 197: The hydrological cycle of the Canadian Polar Regions
4142	Perrie	Bedford Institute of Oceanography	CANADA	Marine winds in the Beaufort -Chukchi Seas	ID 205: Arctic Climate Surface Fluxes
3985	Copland	University of Ottawa, Department of Geography	CANADA	Dynamics and Change of Arctic Ice Caps: an Arctic Ice Mapping Mission (AIMM)	ID 30: GlacioDyn
3685	E Dongchen	Chinese Antarctic Center of Surveying and Mapping	CHINA	Proposal For Polar Research Project -- Ice Sheet Dynamics and Polar Environment Change Monitoring	ID 91: GIIPSY & ID: 185 Polar Earth Observing Network (POLENET)
4091	C Xiao	Institute of Remote Sensing Applications, Chinese Academy of Sciences	CHINA	Remote Sensing of the transect from Prydz Bay-Amery Ice Shelf-Lambert GlacierBasin-Dome A	ID 313: Prydz Bay, Amery Ice Shelf and Dome A Observatories (PANDA)

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4099	Gudmandsen	Technical University of Denmark	DENMARK	Dynamics and exchange of sea ice in the Arctic Ocean/Lincoln Sea/Nares Strait/Baffin Bay complex	ID 91: GIIPSY & ID 108: Integrated Arctic Ocean Observing System (iAOOS)
4132	Pulliainen	Arctic Research Centre of the Finnish Meteorological Institute	FINLAND	Mapping of boreal and sub-arctic land cover processes applying combined EO and in situ data	N/A
4116	Moore	Arctic Centre, University of Lapland	FINLAND	Kinnvika - Change and Variability of the Arctic System - Nordauslandet, Svalbard	ID 58: Change and variability of Arctic Systems Nordauslandet, Svalbard
4096	LEGRESY	CNRS	FRANCE	INSAR Interior of the East Antarctic ice cap mapped using ENVISAT SAR.	ID 301: Trans-Antarctic Scientific Traverses Expeditions – Ice Divide of East Antarctica
4087	Etienne	Laboratoire d'Etude en Geophysique et Oceanographie Spatiale	FRANCE	Velocity and topographic maps of Icelandic ice caps. A comprehensive dataset to study their dynamic response to climate change	ID 30: GlacioDyn
4032	Braun	Bonn University, Center for Remote Sensing of Land Surfaces	GERMANY	EO-derive products in support of climate change impact studies on the Antarctic Peninsula and Svalbard - interaction of glaciers, climate, terrestrial and marine ecosystems as well as the atmosphere	ID 34: ClicOPEN & ID: 107: IPY-AP & ID 30: GlacioDyn
4133	Overduin	Alfred Wegener Institute for Polar and Marine Research	GERMANY	Remote Sensing Baseline for Long-term Monitoring of the Arctic Circumpolar Coastal Observatory Network (ACCO-Net)	ID 182: Arctic Circumpolar Coastal Observatory Network (ACCO-Net)
4007	Haas	Alfred Wegener Institute	GERMANY	Sea ice motion, deformation, thickness, and lead dynamics in the Antarctic	ID 270: Antarctic Sea Ice During IPY & ID 68: SIMBA
3988	Gleitsmann	University of Göttingen, Institute of Geography	GERMANY	Using Multitemporal MERIS FR and RR Data for Assessing Vegetation Dynamics in Arctic and Boreal Alaska	N/A
4067	Lee	Kangwon National University	KOREA, REPUBLIC OF	Evaluation of sea ice type, concentration, and movement by microwave and optical satellite sensors	N/A
4093	Johannessen	Nansen Environmental and Remote Sensing Center / Mohn Sverdrup Center	NORWAY	IPY Operational Oceanography for the Arctic Ocean and adjacent seas: sea ice monitoring by satellite SAR (ASIMS)	ID 379: IPY Operational Oceanography for the Arctic Ocean and adjacent seas
4101	Kallenborn	University Centre in Svalbard	NORWAY	Satellite detection for monitoring of oil spills in ice covered Arctic waters	ID: 32 PolarCat
4075	Johannessen	Nansen Environmental and Remote Sensing Centre	NORWAY	Solid Ice Fluxes from the Greenland Ice Sheet	N/A but aligned to GlacioDyn
4081	Sandven	Nansen Environmental and Remote Sensing Center.	NORWAY	Sea ice dynamic and thermodynamic processes during DAMOCLES IPY field expeditions	ID 40: Developing Arctic Modelling and Observing Capabilities for Long-term Environment Studies (DAMOCLES)

ESA IPY AO ID	PI Name	PI Institute	Country	Proposal's Title	Linked IPY ID
4122	Malnes	Norut Informasjonsteknologi AS	NORWAY	ISIS: Interpretation and Evaluation of Snow and Ice from Remote Sensing Using Indigenous and Scientific Expertise	N/A
4104	Lauknes	Norut Information Technology Ltd.	NORWAY	Permafrost Observatory Project: A Contribution to the Thermal State of Permafrost in Norway and Svalbard (TSP-NORWAY)	ID 50: Thermal State of Permafrost (TSP)
4108	Dagestad	Nansen Environmental and remote sensing center	NORWAY	High resolution wind fields from SAR and MM5	N/A: linked to EC's MONRUK Project
4109	Furevik	The Norwegian Meteorological Institute	NORWAY	Improved forecasting of adverse weather in the Arctic region present and future	ID: 121 THORPEX-IPY
4102	Storvold	Norut Informasjonsteknologi AS	NORWAY	Norwegian-US Antarctic IPY Traverse (TASTE-IDEA) IPY #152	ID 152: TASTE-IDEA
4127	Kääb	Department of Geosciences, University of Oslo	NORWAY	Glacier changes and consequences for glacier-permafrost interactions around Barents and Kara Seas	ID 50: TSP-CALM & ID 406: Historical Data and Derived Products of the Polar Regions
4135	Almendros	Institute of Marine Sciences of Andalusia (ICMAN).	SPAIN	Study of Mesoscale Structures with ENVISAT and in-situ Data in the Bransfield Strait (Antarctica) and Adjacent Areas	ID 35: GEOTRACES
4134	Gomez-Enri	Applied Physics Department. University of Cadiz	SPAIN	A Multi-Sensor Approach for the Detection, Tracking and Characterisation of Oceanic Eddies at Drake Passage and Surrounding Areas.	ID 132: CASO & ID: 567 IRACETSO
4086	Strozzi	Gamma Remote Sensing AG	SWITZERLAND	Glacier flow mapping in European arctic regions using SAR offset-tracking procedures	ID: 58 Kinnvika & ID: 339 MARGINS
4148	Disney	University College London	UNITED KINGDOM	ABACUS: Arctic Biosphere Atmosphere Coupling Across Multiple Scales	ID: 246 ABACUS
4128	Bigg	Department of Geography, University of Sheffield	UNITED KINGDOM	The impact of climate on iceberg fluxes from the Arctic	ID:30 GlacioDyne
4071	Bigg	Department of Geography, University of Sheffield	UNITED KINGDOM	The impact of iceberg melting on Weddell Sea deep water formation	ID: 81 Collaborative Research into Antarctic Calving and Iceberg Evolution (CRAC-ICE)
4105	Laxon	Centre for Polar Observation and Modelling, University College London	UNITED KINGDOM	Satellite estimates of sea ice mass fluxes in the Arctic	ID: 14 IAOOS & ID: 108 Sea Ice from Space for IPY
4119	Luckman	Swansea University	UNITED KINGDOM	Antarctic mapping and change during IPY	N/A
4107	Murray	Swansea University	UNITED KINGDOM	Variations in glacier flow on the Antarctic Peninsula during the International Polar Year	- funding requested for UK NERC AFI Project
4152	Hughes	Scottish Association for Marine Science	UNITED KINGDOM	Investigations into the changing nature of Thermohaline Circulation in the Nordic Seas	ID 40: DAMOCLES
4103	Wilkinson	Scottish Association for Marine Science	UNITED KINGDOM	Is there still a North East Water Polynya? Investigations into fundamental changes in the region	ID 40: DAMOCLES
4121	Luckman	Swansea University	UNITED KINGDOM	Greenland outlet glacier dynamics during IPY	ID 339: MARGINS
4046	Kwok	Jet Propulsion Laboratory	UNITED STATES	Southern Ocean sea ice cover: kinematics, thickness, polynyas, and export	ID 141: Antarctic Sea Ice in IPY
4044	Geiger	Cold Regions Research and Engineering Laboratory	UNITED STATES	Envisat Wide Swath Imagery comparison with RADARSAT and buoy array validation in the Beaufort Sea During the winter-to-spring transition Feb-May 2007	ID 95: State of the Arctic Sea-Ice Cover

ESA IPY AO ID	PI Name	PI Institute	Country	Proposal's Title	Linked IPY ID
4110	Holt	Jet Propulsion Laboratory, California Institute of Technology	UNITED STATES	Understanding marginal ice zone processes within a changing Arctic climate	N/A

Approved ESA IPY Projects can be found here: <http://eopi.esa.int> (then go to Search, using IPY AO).