

# International Commitments for Argo Floats

## March 2004

Please send any changes and/or updates to [stan.wilson@noaa.gov](mailto:stan.wilson@noaa.gov)

No. of Floats by Country	Argo Funded FY99	Float Equiv's FY99	Argo Funded FY00	Float Equiv's FY00	Argo Funded FY01	Float Equiv's FY01	Argo Funded FY02	Float Equiv's FY02	Argo Funded FY03	Float Equiv's FY03	Argo Funded FY04	Float Equiv's FY04	Proposed over next 3 years	Prop Floa Equiv's over 3 yr:
<i>Draft 3 Mar 04</i>														
Australia	10				19		7		25		30		90	
Canada	10		42		20		25		30		50		90	
China					10		8		6		16		50	
Denmark						5								
Eur. Comm.			10		70						40	10		10
France		8	3		50		80		29		44		160	
Germany				18		22		27		40	32	18	70	
India							10		21		50		69	
Ireland										2				
Japan			24	4	76	8	110	3	100	15	95	7	270	
Mauritius									1		2		3	
Netherlands											3		9	
New Zealand			2		2				2		2		6	
Norway							3		6				30	
Rep. Korea					19		25		30		30		90	
Russia		1		2		2	2	1	2				10	
Spain									13				10	
J.K.			13		50	6	54	10	24	5	38		117	14
J.S.A.	55		131	51	174	43	315	39	344	17	412	16	1236	60
Totals	75	9	225	75	490	86	639	80	633	79	844	51	2310	91
Totals by Yr.	FY99 = 84		FY00 = 300		FY01 = 576		FY02 = 719		FY03 = 712		FY04 = 895		Ave/Yr = 801.6667	

*This table reflects the year in which funds are provided for floats; it takes a year or more until such floats are available for deployment.*

*To achieve a global array of 3,000 operating floats—assuming that 90% of the floats have an average lifetime of four years (the other 10% fail early)—it is necessary for the international community to provide floats at a sustained rate of 825 per year.*

*A “Float Equivalent” is defined as a float—while not funded under the Argo Program— whose data are available consistent with the Argo Data Policy and provides the information equivalent to one Argo float.*

*This table and the accompanying annotation will be reviewed and approved by the International Argo Science Team at its meeting in Brest, France 9-11 March 2004.*

**Australia** – FY03 starts Jul 1, 03 – For FY03, 10 floats funded by Commonwealth Scientific and Industrial Research Organization - Marine Research (CMR), 1 by Bureau of Meteorology (BoM), and 14 by Antarctic Climate and Ecosystem Cooperative Research Centre (ACECRC); CMR and ACECRC acquisitions expected to remain steady, while BoM may increase to 6 per year <[susan.wijffels@csiro.au](mailto:susan.wijffels@csiro.au)>

**Canada** – FY starts Apr 1 – funded by Dept. of Fisheries & Oceans with potential funding from Dept. of National Defense, Environment Canada, and others <[freelandhj@dfo-mpo.gc.ca](mailto:freelandhj@dfo-mpo.gc.ca)>

**China** - FY starts Jan 1 - funded by Ministry of Science & Technology (MOST); implemented by State Oceanic Administration (SOA) in collaboration with other organizations; 16 are proposed for FY04 and about 50 for FY05/06/07 <[sioxu@zgb.com.cn](mailto:sioxu@zgb.com.cn)>

**Denmark** – Niels Bohr Institute for Astronomy, Physics and Geophysics deployed 5 floats in the Greenland Sea <[quadfase@ifm.zmaw.de](mailto:quadfase@ifm.zmaw.de)>

**European Commission** – Gyroscope proposal—submitted by France, Germany, Spain, and U.K.—has funded 80 floats in FY00 and 01, with 40 for Institut für Meereskunde-Kiel and 40 for Institut Français de Recherche pour l'Exploitation de la Mer (IFREMER) <[yves.desaubies@ifremer.fr](mailto:yves.desaubies@ifremer.fr)>; Marine Environment and Security for the European Area (MERSEA) proposal will fund 40 floats in FY04 to be implemented by Institut für Lehrerfortbildung, Alfred-Wegener-Institut für Polar- und Meeresforschung, and IFREMER <[sylvie.pouliquen@ifremer.fr](mailto:sylvie.pouliquen@ifremer.fr)>; and Mediterranean Forecasting System: Toward Environmental Predictions (MFSTEP) will fund 20 float-equivalents in FY04/05, to be implemented as MedArgo by the Istituto Nazionale di Oceanografia e di Geofisica Sperimentale with 5-day profiling to 700m <[ppoullain@ogs.trieste.it](mailto:ppoullain@ogs.trieste.it)>

**France** – FY starts Jan 1 – Overall coordination under the national Coriolis Project; most funding from Institut Français de Recherche pour l'Exploitation de la Mer, with smaller contributions from Centre National de la Recherche Scientifique (20 in FY02) and Service Hydrographique de la Marine (3 funded in FY00; 15 per year have been included in the overall number proposed for FY04/05/06); an additional 8 floats were funded in FY99 as part of POMME <[sylvie.pouliquen@ifremer.fr](mailto:sylvie.pouliquen@ifremer.fr)>

**Germany** – FY starts Jan 1 – German Argo funded by the Ministry for Research & Technology (BMBF); implemented by Leibniz Institute of Marine Sciences at Kiel University (IFM-GEOMAR), Alfred Wegener Institute for Polar and Marine Research (AWI), and Bundesamt für Seeschifffahrt und Hydrographie (BSH). Argo float-equivalents: BSH has funded 18, 5, 7 & 5 floats in FY00, 01, 02 & 03 for North

*Atlantic; AWI has funded 10, 20 & 10 floats in FY01, 02 & 03 for Southern Ocean; Deutsche Forschungs Gemeinschaft (DFG) has funded IFM-GEOMAR for 7 floats in FY01 for Lab. Sea, 10 floats in FY03 for North Atlantic, and 15 floats in FY03 for Indian Ocean <[jfischer@ifm-geomar.de](mailto:jfischer@ifm-geomar.de)>*

*India – FY starts Apr 1 – funded by Dept. of Ocean Development; implemented by National Center for Ocean Information Services (lead), National Institute of Ocean Technology, Center for Atmospheric and Ocean Sciences along with National Institute of Oceanography and 6 other academic/R&D/operational institutions <[radhagr@incois.gov.in](mailto:radhagr@incois.gov.in)>*

*Ireland – funded by the Ireland Higher Education Authority and implemented by the National University of Ireland <[martin.white@nuigalway.ie](mailto:martin.white@nuigalway.ie)>*

*Japan – FY starts Apr 1 – funded by Ministry of Education, Culture, Sports, Science & Technology (MEXT) and Ministry of Land, Infrastructure & Transport under the Millennium project (FY00-04); MEXT is expected to fund 80-100 per year for FY05-09; implemented by JAMSTEC. Argo float-equivalents: National Institute for Polar Research is being funded to deploy 3-5 floats per year in the Southern Ocean; Tohoku University was funded for 2 floats in FY03 and is bidding for another 2 in FY04; Fisheries Agency was funded for 5 floats in FY03 and 2-4 in FY04 <[takeuchik@jamstec.go.jp](mailto:takeuchik@jamstec.go.jp)>*

*Mauritius – implemented by the Mauritius Meteorological Service in collaboration with U.K. Argo <[mbbohn@adafrica.net](mailto:mbbohn@adafrica.net)>*

*Netherlands – FY starts Jan 1 – funded and implemented by the Royal Netherlands Meteorological Institute and Netherlands Institute for Sea Research <[andreas.sterl@knmi.nl](mailto:andreas.sterl@knmi.nl)>*

*New Zealand – FY02 starts Jul 1, 02 – funded and implemented by National Institute of Water & Atmospheric Research <[p.sutton@niwa.co.nz](mailto:p.sutton@niwa.co.nz)>*

*Norway – FY starts Jan 1 – funded and implemented by the Institute of Marine Research <[einar.svendsen@imr.no](mailto:einar.svendsen@imr.no)>*

*Republic of Korea – FY starts Jan 1 – funded by Ministry of Science & Technology/Korean Meteorological Administration and Ministry of Marine Affairs & Fisheries; implemented by Meteorological Research Institute (METRI) and Korea Ocean Research & Development Institute (KORDI) under supervision of Korea Argo Subcommittee of the Korea Oceanographic Committee <[kuhkim@yahoo.com](mailto:kuhkim@yahoo.com)>*

*Russia – FY starts Jan 1 – funded by Hydromet; implemented by Far Eastern Regional Hydrometeorological Research Institute (FERHRI) <[danchenk@vladivostok.ru](mailto:danchenk@vladivostok.ru)>*

***Spain*** – support dependent on funding from Programa Nacional de Investigacion for the Instituto Espanol de Oceanografia, Universidad de Las Palmas de GC, Instituto de Ciencias del Mar de Barcelona-CSIC and several other Spanish research institutions <[gregorio.parrilla@md.ieo.es](mailto:gregorio.parrilla@md.ieo.es)>

***U.K.*** - FY starts Apr 1 - U.K. Argo funded by Dept. for Environment, Food & Rural Affairs, Ministry of Defence, and Natural Environment Research Council; managed and implemented by U.K. Met. Office in collaboration with Southampton Oceanography Centre (SOC), British Oceanographic Data Centre, and U.K. Hydrographic Office; funding for U.K. Argo to March 06 has been agreed, but longer-term funding from April 06 has no been assured; additional Argo float-equivalents dependent on successful bids by SOC for research funding and includes 1 float (FY01) funded by Scott Polar Research Institute <[jdturton@meto.gov.uk](mailto:jdturton@meto.gov.uk)>

***U.S.A.*** – FY04 starts Oct 1, 03 – funded by NOAA and Office of Naval Research via National Oceanographic Partnership Program; beginning in FY04, NOAA to provide \_ of the global array (412 floats per year) <[steve.piotrowicz@noaa.gov](mailto:steve.piotrowicz@noaa.gov)>. Argo float-equivalents: Naval Oceanographic Office (Navoceano) – 16, 20, 30, 17 & 16 in FY00, 01, 02, 03 & 04); NOAA via Consortium for Ocean Research & Climate – 35 in FY00, 20 in FY01; the 60 proposed by Navoceano are dependent on availability of funding <[hortone@navo.navy.mil](mailto:hortone@navo.navy.mil)>; NOAA/OAR/Arctic Program Office – 3 for deployment in Bering Sea in FY01 and 9 in Bering Sea and subpolar N Pacific in FY02 <[gregory.c.johnson@noaa.gov](mailto:gregory.c.johnson@noaa.gov)>