

JCOMMOPS

JCOMM Observing Program Support Centre

M. Belbeoch

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programmes

JCOMMOPS now supports the implementation of a number of different types of *in situ* observing systems including:

- Profiling floats (**Argo**)
- Drifting and moored buoys in the high seas, tropical moorings, Arctic buoys, and soon Tsunameters, all coordinated through the Data Buoy Cooperation Panel (**DBCOP**)
- Expendable Bathythermographs (XBTs), Thermosalinographs (TSGs), atmospheric soundings from ships (ASAP), meteorological observations from ships (VOS), all coordinated through the JCOMM Ship Observations Team (**SOT**)
- Deep ocean time-series reference stations using Moorings, cables and other platforms. (**OceanSITES**)

=> I.T. Team

=> Ships coordination

=> Regional/Coastal coordination (gliders, coastal floats, marine mammals, ...)

JCOMMOPS Global Budget: ~600 k\$/year

	<i>Member States contributions into JCOMMOPS via IOC/WMO trust funds (cash)</i>	<i>IOC contribution (in-kind) (b)</i>	<i>Host contribution (in-kind) (c)</i>	Full JCOMMOPS operating budget/year	<i>Host Commitments for JCOMMOPS expansion (in-kind) (c)</i>
<i>Personnel</i>	220	20	30	270	
<i>Mission</i>	45		10	55	
<i>Infrastructure</i>	100 (a)		150	250	85
<i>Total</i>	365	20	190	575	

(a) JCOMMOPS contributes to the functioning budget by providing funds to CLS.

(b) IOC secretarial support (0.3 FTE clerk).

(c) Host in-kind contribution is provided by CLS and Ifremer

=> Office hosted in Toulouse, France (CLS support)

=> Synergies to be developed with Brest (Pole of excellence for ocean)

JCOMMOPS Global Budget: breakdown by panel

<i>Programmes contribution into JCOMMOPS</i>					<i>IOC contribution</i>	<i>Host contribution (k\$ in-kind)</i>	<i>Full JCOMMOPS operating budget/year in k\$</i>
	<i>Argo</i>	<i>DBCP</i>	<i>SOT</i>	<i>Ocean SITES</i>			
<i>Personel</i>	<i>120</i>	<i>100</i>			<i>20</i>	<i>30</i>	<i>270</i>
<i>Mission</i>	<i>20</i>	<i>20</i>	<i>5</i>			<i>10</i>	<i>55</i>
<i>Infrastructure</i>	<i>20</i>	<i>20</i>		<i>60</i>		<i>150</i>	<i>250</i>
<i>Total</i>	<i>160</i>	<i>140</i>	<i>5</i>	<i>60</i>	<i>20</i>	<i>190</i>	<i>575k\$</i>
<i>% over total budget</i>	<i>28</i>	<i>25</i>	<i>1</i>	<i>10</i>	<i>3</i>	<i>33</i>	<i>100%</i>

Resources / Deliverables

<p><i>Total</i></p>	<p><i>4 programmes supported:</i> <i>Argo, DBCP with advanced deliverables</i></p> <p><i>+</i></p> <p><i>SOT, OceanSITES with core deliverables</i></p> <p><i>+</i></p> <p><i>Integrated deliverables</i></p>	<p><i>Resources ideally required:</i></p> <p><i>100 % I. T.</i></p> <p><i>200 % Technical Coordinator</i></p> <p><i>25-50% Manager</i></p> <p><i>25-50% Secretariat</i></p> <p><i>Resources available:</i></p> <p><i>75% I.T.</i></p> <p><i>200% TC</i></p> <p><i>25% secretariat</i></p>
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Argo TC overloaded

JCOMMOPS key management functions to be clarified,
 included in ToR, and recognized by panels

Services/Deliverables

- **Basic:** no specific human resource is allocated but a set of basic deliverables are integrated with the other observing systems and produced via the existing infrastructure (in particular the I.T. team). Such support has been provided in the past to some programmes but had to be discontinued due to lack of means, e.g.: GLOSS
- **Core:** 0.3 FTE² allocated for Technical Coordination or Project Office, core support and deliverables (e.g.: OceanSITES, SOT)
- **Advanced:** 0.7 FTE² allocated, advanced support and deliverables (e.g.: Argo, DBCP)

I.T. resources

- 60k Funding (sustainable ?) (expandable via OceanSITES ?)
 - 1 FTE on paper, 0.75 FTE in reality (via 0.5 engineer and 0.25 student)
 - Internship is trained and will work until Sept. 2012. After ?
 - Waiting a new contract proposal by CLS.
 - A stable, and fully involved resource is required otherwise it will take ages to meet expectations
- ⇒ OceanSITES will fund JCOMMOPS in 2012 (Ifremer, SIO/WHOI to CLS)
- ⇒ We can then sustain the I.T. Team (thanks to the integrated)

- Budget closed for a CLS position (to be advertised very soon)
- Committee (for recruitment process): Argo, DBCP, SOT, JCOMM
- 18 months maximum within French system
- And after ? IOC/UNESCO position cost
- Location: anywhere, Toulouse (CLS) or preferably Brest (CLS/Ifremer) on the long run
 - Coriolis, Euro Argo Deployment unit
 - ESURFMAR Deployment unit
 - PMO
 - Brest pole of expertise
 - Port (commercial, sailing pole)

Programme Office

- JCOMMOPS needs to take more body
 - Clarify legal issues
 - Better establish in its host country
 - Stop to pay the rent ...
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- Protocol/path: UNESCO to french embassy
 - JCOMM Support (Oceano. Meteo, PY Le Traon)
 - Local/Regional Support (Toulouse/**Brest**) – TC visit
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- UNESCO Program Office
 - Alternative solution: National NGO to multi national NGO ...
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- Funding Sources: MS, IOC/UNESCO, WMO, CLS, CLS-A, Host country, Industry, « labelling » (fee on floats), ship time service
 - We can host (international) internships ...

Float drifters pilot project

- 60k\$ UNESCO funding agreed for purchasing the first UN floats/drifters
- Funding retracted at last minute (USA embargo on UNESCO)
- JCOMMOPS will keep trying to set up a show case pilot project with one float/drifter of each model.
- Track floats from purchase to last pulse.
- Promote ...
- Get return experience
- Develop partnership with our small float/buoy industry
- We will ask for donations.

- JCOMMOPS core functions are the priority
- Services provided must be in line with panels contributions
- Proper functioning and short term expansion can be made possible only through SOT/OceanSITES increased contributions.
- Argo TC duties are now free up from SOT coordination
- Argo TC duties include JCOMMOPS key managerial functions
- Ship Logistic Coordinator position to be established in 2012 to serve SOT (coordination), and cross programme ship related activities (deployment planning, cooperation, cruises)

- I.T. team and junior staff to be strengthened
- Yves Desaubies , JCOMMOPS, Scientific Coordinator retired
- Funds used for the $\frac{1}{4}$ time Scientific Coordinator will be used for the $\frac{1}{2}$ time Ship Logistics Coordinator (Ifremer/Coriolis contribution)
- JCOMMOPS Strategy Paper reviewed before submission to JCOMM IV as background document
- Administrative arrangement between IOC and WMO to keep the TC function (USA funding issue)

With slightly augmented supported from host country and panels, JCOMMOPS will be properly resourced to support optimally 4 global programmes and achieve the integration and modernization of its services

We are on the way ...

... Argo will finally benefit from the integrated concept