

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION  
(of UNESCO)

**Eighteenth Session of the IOC Committee on International Oceanographic Data and Information  
Exchange (IODE-XVIII)  
Oostende, Belgium, 26-30 April 2005**

**Financial Report for the inter-sessional period 2003-2004**

(Prepared by Peter Pissierssens, IOC/IODE Secretariat)

**1. FUNDING SOURCES FOR THE IODE PROGRAMME FOR THE INTER-SESSIONAL PERIOD 2003-2004**

During the inter-sessional period, funds for IODE implementation were provided from the following sources:

- (i) **2003:** UNESCO regular programme: Approved Programme and Budget (31 C/5, 2002-2003): Major Programme II: Natural Sciences - II.2 Sciences, environment and sustainable development - II.2.5 UNESCO Intergovernmental Oceanographic Commission – Main Line of Action 3 (detailed description: See Annex 1 of this Document).
- (ii) **2003:** UNESCO regular programme: Approved Programme and Budget (31 C/5, 2002-2003): Cross cutting themes
- (iii) **2003:** Extra-budgetary resources
- (iv) **2004:** UNESCO regular programme: Approved Programme and Budget (32 C/5, 2004-2005): Major Programme II: Natural Sciences - II.1 Science, environment and sustainable development - II.1.5 UNESCO Intergovernmental Oceanographic Commission – Main Line of Action 3 (detailed description: See Annex 2 of this Document)
- (v) **2004:** UNESCO regular programme: Approved Programme and Budget (32 C/5, 2004-2005): Cross cutting themes
- (vi) **2004:** Extra-budgetary resources

## 2. BUDGET REQUESTED AND OBTAINED BY IODE-XVII FOR 2003

Note: expenditure amounts are rounded the nearest US\$ 100

Note: the 31 C/5 allocation for IODE was US\$ 215,000 for the biennium 2002-2003 under MLA-3 (Ocean Services), Action 1. For 2003 an amount of **US\$ 107,500** was available.

	2003 REQUESTED			2003 OBTAINED			
	RP	EB req	EB exp	TOTAL	RP	EB	TOTAL
<b>IODE subsidiary bodies</b>							
SG OCEANTEACHER meeting	10 000			10 000	10000	0	10000
<b>Capacity Building</b>							
ODINAFRICA-II			930 000	930 000		867900	867900
REG TC IOCINCWIO (see ODINAFRICA)							
REG TC MED (MAMA)			8 000	8 000		0 <sup>1</sup>	0
REG TC IOCARIBE (see ODINCARSA)							
REG TC S.America (see ODINCARSA))							
MIM Travel grants	11 000			11 000	11000	0	11000
ASFA participation	2 000			2 000	2 000	0	2 000
Regional OceanPortal AFR			53 919	53 919	0	69000 <sup>2</sup>	69000
Regional OceanPortal LAC			28 731	28 731	0	18300 <sup>1</sup>	18300
<b>Products and Services</b>							
OCEANTEACHER			13 000	13 000	0	0	0
MARXML	5 000		10 000	15 000	2400	11000	13400
MEDI	5 000			5 000	5 000	0	5 000
OCEANPORTAL	5 000	5 000		10 000	8500	0	8500
OCEANEXPERT	5 000			5 000	5000	0	5 000
BEEBOX		10 000	5 000	15 000	0	0	0
<b>Projects</b>				0			0
GODAR - WORLD	3 000			3 000	4600 <sup>3</sup>	0	4600
GTSP	5 000			5 000	0	0	0
<b>Events</b>							
<b>Pilot Projects</b>							
ODINCARSA	40 000	5 000		45 000	45300 <sup>3</sup>	0	45300
GOSUD	5 000			5 000	5 000	0	5 000
OIT	4 000			4 000	0	0	0
<b>Programme management</b>							
Staff and Officer travel	10 000			10 000	8400	0	8400
JCOMM cooperation	1 400			1 400	1600	0	1600
IODE REVIEW costs	5 000	5 000		10 000	0	0	0
IODE-XVII Session	30000			30000	40000	0	40000
<b>Public awareness</b>	5 000			5 000	8500	0	8500
<b>Miscellaneous</b>					0	5000	5000
<b>TOTALS</b>	<b>151 400</b>	<b>25 000</b>	<b>1 048 650</b>	<b>1 225 050</b>	<b>157,300</b>	<b>971,200</b>	<b>1,128,500</b>

**RP:** UNESCO regular Programme; **EB req:** Extra-budgetary requested from Member States or other donors;

**EB exp:** Extra-budgetary expected (confirmed) from Member States or other donors (includes also funds from cross-cutting themes UNESCO RP)

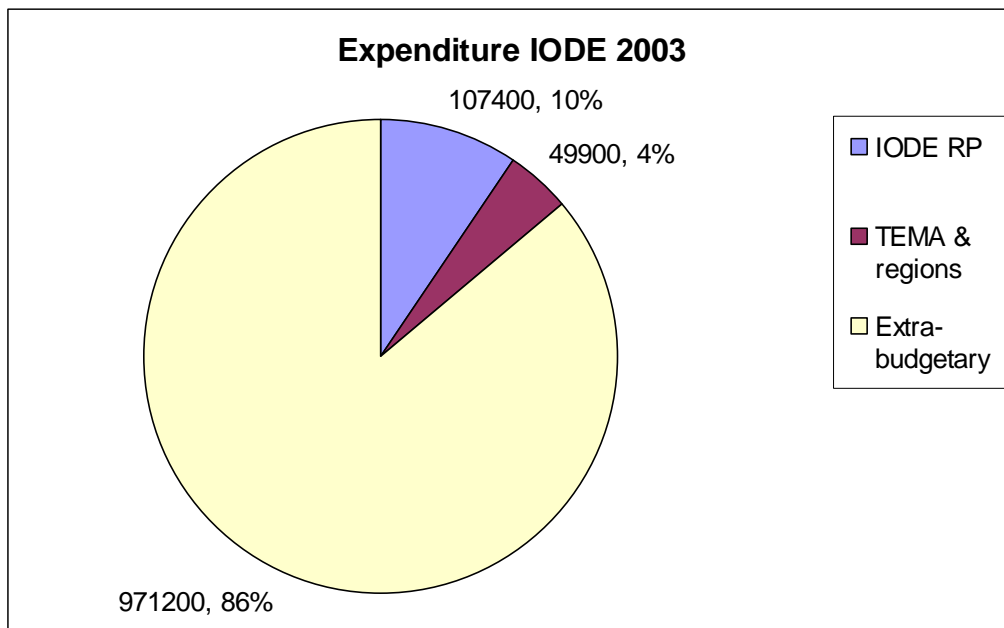
<sup>1</sup> Postponed to 2004

<sup>2</sup> These funds are UNESCO RP funds allocated to cross-cutting initiatives

<sup>3</sup> Funds from TEMA & regions

**SUMMARY**

<b>IODE RP direct:</b>	<b>US\$ 107,400</b>
<b>IODE RP TEMA &amp; regions</b>	<b>US\$ 49,900</b>
<b>Extra-budgetary sources</b>	<b>US\$ 971,200</b>
Breakdown:	
- Belgium (Federal)	US\$ 5,000
- Belgium Flanders (FUST)	US\$ 867,900
- Regional OceanPortals (CCT)	US\$ 87,300
- Marine XML EU project	US\$ 11,000
<b>TOTAL BUDGET IODE 2003:</b>	<b>US\$ 1,128,500</b>



### 3. BUDGET REQUESTED AND OBTAINED BY IODE-XVII FOR 2004

Note: expenditure amounts are rounded the nearest US\$ 100

Note: the 32 C/5 allocation for IODE was US\$ 389,000 for the biennium 2004-2005 under MLA-3 (Developing and strengthening a global mechanism to ensure full and open access to ocean data and information for all), Action 1 (Further development of the Oceanographic Data and Information Exchange (IODE) System. Note that this cost includes the staff cost for the Head of the IODE project Office (cost approx. US\$ 100,000/year – note that this amount varies according to the exchange rate between the € (currency of payment) and the US Dollar). Accordingly the funds available for IODE programme activities were US\$ 94,500 for 2004 (and a similar amount for 2005).

#### 2004 REQUESTED

#### 2004 OBTAINED

	RP	EB req	EB exp	TOTAL	RP	EB	TOTAL
<b>IODE subsidiary bodies</b>							
GE-MIM meeting	10 000	5 000		15 000	14300	0	14300
GE-TADE/ETDMP meeting	10 000			10 000	0 <sup>4</sup>	0	0
GE-BCDMEP meeting	10 000			10 000	10200	0	10200
SG XML (SG-MEDI) meeting	10 000			10 000	11000	0	11000
<b>Capacity Building</b>							
ODINAFRICA-III		20 000		20 000	0	202200	202200
REG TC IOCINDIO (see ODINCINDIO)							
REG TC IOCINCWIO (see ODINAFRICA)							
REG TC MED (MAMA)		8000 <sup>5</sup>		0	0	9600	9600
REG TC IOCARIBE (see ODINCARSA)							
REG TC S.America (see ODINCARSA))							
MIM Travel grants	5 000	5 000		10 000	5000	0	5000
MIM Travel grants					3000 <sup>6</sup>	0	3000
ASFA participation	2 000			2 000	2000	0	2000
Regional OceanPortal AFR			52 200		0	37500 <sup>7</sup>	37500
Regional OceanPortal LAC			77 500		0	30700 <sup>4</sup>	30700
<b>Products and Services</b>							
Marine XML(OCEANTEACHER) <sup>8</sup>	5 000	5 000		10 000	5000	0	5000
MARXML (see SG-XML)	5000		10000	15000	0	0	0
MEDI	5 000			5 000	5000	0	5000
OCEANPORTAL	5 000			5 000	5000	0	5000
OCEANEXPERT	2 000	3 000		5 000	0	0	0
BEEBOX	0	10 000		10 000	0	0	0
OceanTeacher (ODIMeX)					0	33500	33500
e-Repository					0	14000	14000
<b>Projects</b>							
GODAR - WORLD	3 000			3 000	3000	0	3000
GTSP	5 000			5 000	0	0	0

<sup>4</sup> In order to save funds it was decided to organize an ad hoc session of the ETDMP, back-to-back with the SG-XML meeting (May 2004)

<sup>5</sup> Was postponed from 2003 to 2004

<sup>6</sup> From TEMA & regions

<sup>7</sup> These funds are UNESCO RP funds allocated to cross-cutting initiatives

<sup>8</sup> As OceanTeacher is now funded through the ODIMeX extra-budgetary project these funds were transferred to marine XML related activities

<b>Events</b>							
GODAR QC conference	10 000	10 000		20000	0 <sup>9</sup>	0	0
Hamburg data management conf	10 000	10 000		20000	8000	10000 <sup>10</sup>	8000
<b>Pilot Projects</b>							
ODINCARSA	10 000	10 000		20 000	10000 <sup>11</sup>	0 <sup>12</sup>	10000
GOSUD	5 000			5 000	5000	0	5000
OIT		35 000		35 000	0	0	0
ODINCINDIO planning meeting	10 000	10 000		20 000	5000	0 <sup>13</sup>	5000
<b>Programme management</b>							
Staff and Officer travel	15 000			15 000	24500	0	24500
JCOMM cooperation	3 000			3 000	9900	0	9900
JCOMM cooperation (meeting participation)					3000	0	3000
IODE REVIEW costs	5 000	15 000		20 000	4000	0	4058
<b>Public awareness</b>	5 000			5 000	4500	0	4500
<b>Miscellaneous</b>					0	4000	4000
<b>TOTALS</b>	<b>150,000</b>	<b>138,000</b>	<b>159,700</b>	<b>447,700</b>	<b>137,400</b>	<b>341,500</b>	<b>478,900</b>

Note: the above figures do not include the contribution of WMO for the implementation of ETDMP activities (US\$ 11656).

**Note that the actual planned revenue for the FUST-funded projects (ODINAFRICA-III, ODIMeX, and e-repository) were higher but due to late arrival (August 2004) of the funds, actual expenditure was lower. Planned budgets are available from the relevant project documents.**

### SUMMARY

<b>IODE RP direct:</b>	<b>US\$ 124,400 (1)</b>
<b>IODE RP TEMA &amp; regions</b>	<b>US\$ 13,000</b>
<b>Revenue extra-budgetary sources</b>	<b>US\$ 341,500</b>
Breakdown:	
- USA (for Hamburg event)	US\$ 10,000
- EU MAMA course	US\$ 9,600
- Belgium (Federal)	US\$ 4,000
- Belgium Flanders (FUST)	
- ODINAFRICA	US\$ 202,200
- ODIMeX	US\$ 33,500
- e-repository	US\$ 14,000
- Regional OceanPortals (CCT)	US\$ 68,200

**TOTAL BUDGET IODE 2003: US\$ 478,900**

Note that the above expenditure report does not include staff cost

(1) Note that this is higher than the allocation planned of US\$ 94,500. Accordingly the allocation for 2005 will be reduced by US\$ 29,900.

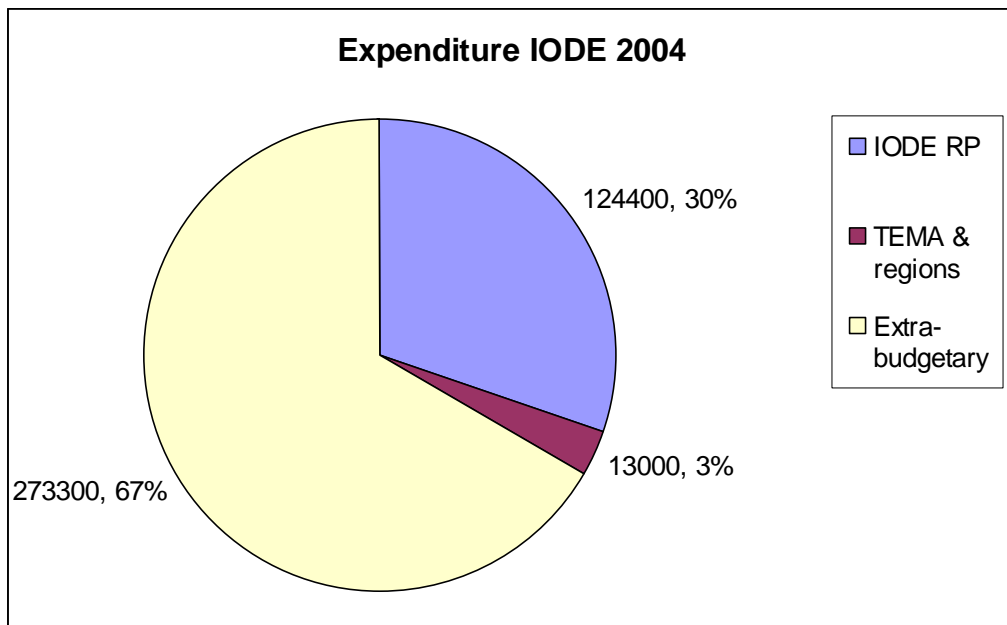
<sup>9</sup> GODAR QC conference is postponed

<sup>10</sup> This event was co-sponsored by other organizations

<sup>11</sup> Funds from TEMA & Regions

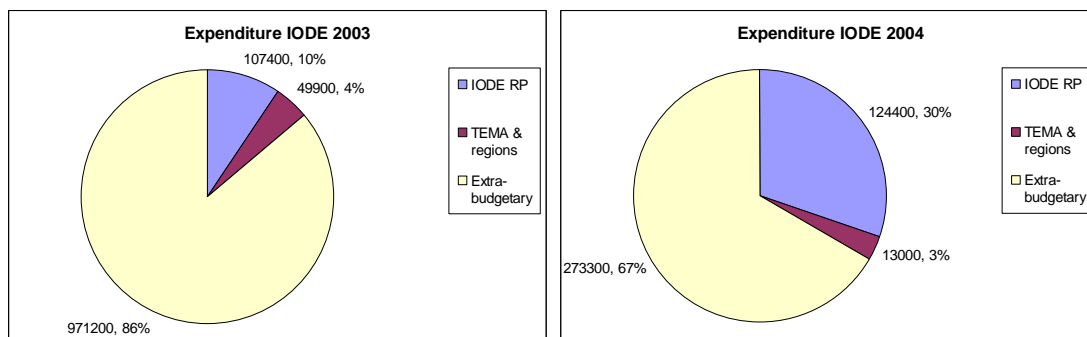
<sup>12</sup> Additional resources were provided by other partners. However these funds were not channelled through IOC but spent directly.

<sup>13</sup> This event was co-sponsored by ROPME



#### 4. 2003-2004 EVOLUTION

The below figures show the expenditure distribution by revenue source.



IODE RP direct: US\$ 107,400  
 IODE RP TEMA & regions US\$ 49,900  
 Extra-budgetary sources US\$ 971,200

IODE RP direct: US\$ 124,400  
 IODE RP TEMA & regions:US\$ 13,000  
 Extra-budgetary sources: US\$ 341,500

We note that planned revenue from UNESCO RP has decreased from 2003 to 2004 (i.e. between 31 C/5 and 32 C/5 from US\$ 107,500 to US\$ 94,500) = 12% decrease. The main reason for this is the inclusion of staff cost in the overall IODE budget allocation which submits the budget to variations in exchange rates.

We note that revenue from TEMA & regions has decreased substantially from US\$ 49,900 to US\$ 13,000 (decrease of 75%). In this regard we report that this trend has continued in 2005. This has affected the launching of ODIN network in the Indian Ocean (ODINCINDIO) and has slowed down the further development of the ODINCARSA network.

Extra-budgetary revenue was substantially lower in 2004. However this was caused by late arrival of the FUST funds. This delay made that project implementation could only start in August 2004. It is remarked however that the extra-budgetary funding base of IODE, comprising contributions by only 3 member state sources (USA, Belgium Federal and Belgium Flanders) is not sound. All Member States should be invited to provide a long-term base support for the IODE programme.

## 5. IODE STAFFING

During the inter sessional period, it was possible to expand

### HEADQUARTERS

- |   |                      |
|---|----------------------|
| - Peter Pissierssens (Head of Section P-4): | UNESCO “core” post   |
| - Benjamin Sims (supernumerary P-2)         | US\$ 70,000/year (1) |
| - Mr Adrien Vannier (Clerk, G6)             | UNESCO “core post”   |
| - Ms Françoise Ricotou (Clerk, G5)          | UNESCO “core post”   |

### FIELD

- |  |                       |
|--|-----------------------|
| - Vladimir Vladymyrov (Head, IODE Project Office, Ostend): | US\$ 100,000/year (2) |
| - Mr Mika Odido (ODINAFRICA coordinator, Nairobi):         | US\$ 42,000/year (3)  |

(1) The cost of Mr Sims’ position is defrayed from 3 sources: (i) contribution by each IOC MLA (Total: approx US\$ 25,000); (ii) projects where technical support is required and provided by Mr Sims (Total: approx. US\$ 30,000); and (iii) funds from CCT projects (Regional OceanPortals) 9Total: US\$ 15,000/year)

(2) Note that the cost of Mr Vladymyrov’s position has been included in the 32 C/5 and is included in the US\$ 389,000/biennium. As indicated above the cost of the position is dependent on the exchange rate of the € and US\$ as the currency of payment is €

(3) The cost of this position is being absorbed by the ODINAFRICA-III project

It should be noted that Mr Vannier and Ms Ricotou also provide administrative support for ITSU and Ocean Mapping.

It should be noted that especially the position of Mr Sims is “unstable” as it depends heavily on the availability of project funds. In this regard we add that the CCT Projects (Regional OceanPortal) will terminate in the 2006/2007 biennium.

## Annex 1

### Extract from the UNESCO Approved Programme and Budget (31 C/5 2002-2003)

### **Main line of action 3. To further develop and strengthen the IODE (International Oceanographic Data and Information Exchange) system as a global mechanism to ensure open and full access to ocean data and management of relevant information for all**

**Regular budget Activities:**           \$ 844,000 (includes IODE, Ocean Mapping and ITSU)  
**Extra budgetary:**                   \$ 1,000,000

**Background.** The IOC's International Oceanographic Data and Information Exchange (IODE) was established in 1961 to enhance marine research, exploitation and development by facilitating the exchange of oceanographic data and information between participating Member States and by meeting the needs of users for data and information products. Over the past 40 years the IODE system has developed into a worldwide network of over 60 Designated National Agencies, National Oceanographic Data Centres, Responsible National Oceanographic Data Centres and ICSU's World Data Centres. This network has been able to collect, control the quality of, and archive millions of ocean observations, and has provided services for its users in the Member States.

**Strategy.** In recent years new technologies have evolved that will enable the data centres to offer better, more comprehensive and faster services and products to its growing user communities. The application of these technologies to oceanographic data and information management requires the development of sophisticated new applications and standards. Whereas IOC has provided substantial support, through its TEMA component of IODE, to assist developing countries in the establishment of national oceanographic data and information exchange facilities, the "digital divide" between developing and developed countries requires a rapid response by the IODE programme to ensure developing countries can actively and fully participate in the evolving knowledge society. IODE will help establish, maintain and strengthen cooperation with ocean research and monitoring programmes to ensure that data and information needs of these communities are met. This will also involve collaboration with operational oceanography programmes such as GOOS and the Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM). Global data and information heritage will also be safeguarded by ensuring a continuous archival and availability of these data and information.

#### **Results expected at the end of the biennium**

- Contribution by IODE to the development of a marine XML as a standard for Internet-based data interchange.
- Contribution by IODE to the development of a global directory system (MEDI) for databases, data catalogues and data inventories for a broad user community, including IOC programmes, such as GOOS and related activities within other global and regional programmes.
- Development of comprehensive "Ocean Data and Information Network" (ODIN) projects in developing regions to assist developing countries with the establishment of national ocean data and information facilities, to provide access by developing countries to up-to-date ocean data and information, and to foster the full and active participation of developing countries in the Internet-based society.
- Strengthened cooperation by IODE with ocean research and monitoring communities and contribution to open access to ocean data and information at all levels of society.
- Implementation of national and regional GODAR (Global Oceanographic Data Archaeology and Rescue) projects for the rescuing of endangered ocean data sets.
- Services in data collection, analysis and exchange in the field of ocean mapping expanded.



**Extract from the UNESCO Approved Programme and Budget (32 C/5 2004-2003)**

**Main line of action 3. Developing and strengthening a global mechanism to ensure full and open access to ocean data and information for all**

<u>Activities</u>	
Regular budget	\$495,000
Extra budgetary	<u>\$290,000</u>
<b>Total, Activities</b>	<b>\$785,000</b>

**Background.** Decentralized networks of data centres providing access to a wide variety of users over the Internet are gradually replacing the traditional model of centralized data management. This model enables the development of a wide range of user communities having access to data, data products and information. The International Oceanographic Data and Information Exchange (IODE) Programme will help to narrow the “digital divide” between developing and developed countries, through the creation of ODIN – Ocean Data and Information Network- projects to aid developing countries. Information provided will include certain specialized functions including seabed mapping and tsunami forecasting.

**Strategy.** The IODE Programme will develop applications of ICTs for data management and dissemination. It will strengthen cooperation with ocean research and monitoring programmes to ensure that data and information needs of Member States are met, through close collaboration with the programmes and communities of Main Lines of Action 1 and 2, and especially with the Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM). The IODE Programme will also increasingly play an active role in guiding users to information through the development and maintenance of specialized portals and clearing-house mechanisms, in close collaboration with United Nations and other agencies. Advances in seabed mapping will be achieved through collaboration with international hydrographic agencies. In liaison with SubProgramme II.1.3 related to earth sciences and disaster reduction, Tsunami forecasting will be improved through cooperation between the scientific research community of IUGG and operational experts dealing with seismic and tidal observations, with the objective of disaster mitigation. Assistance to the establishment of national tsunami warning systems will be critical in that regard.

**Expected results at the end of the biennium**

Full and open access to ocean data and information promoted and communication of ocean research findings to decision-makers and the public improved.

*Performance indicators:*

- *improved access to ocean data and information and products through user-friendly Internet-based data and information portals;*
- *extent and reach of media coverage of issues involved.*

Capacity to collect, preserve, disseminate and use ocean data and information strengthened.

*Performance indicator:*

- *establishment of numbers of national oceanographic data centres and their networking at regional and global scales.*

Global standards for the collection, management and exchange of ocean data and information developed and disseminated.

*Performance indicator:*

- *publication and widespread use of global standards.*

Information on the topography of the World Ocean floor and its geological/geophysical parameters improved.

*Performance indicators:*

- numbers of countries showing improvements in compiling and managing bathymetric data;
- publication and dissemination of regional International Bathymetric

*Charts. Tsunami warning systems and mitigation procedures strengthened.*

*Performance indicators:*

- public awareness raised through media coverage and education tools;
- national capabilities in tsunami preparedness enhanced;
- numbers of managers trained and workshops held.

**In addition:**

Project related to cross-cutting themes:

*“The contribution of information and communication technologies to the development of education, science, and culture and the construction of a knowledge society”*

02523 UNESCO/IOC regional ocean subportals as part of the UNESCO knowledge portal 200,000

[end]