# SIOS trodas lenuuy

8 0









# Ifremer's 2012 indicators





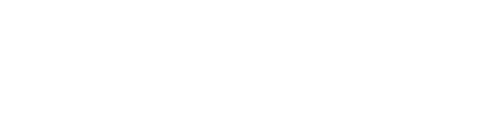


# IFREMER'S 2012 INDICATORS

© Ifremer/S. Vandoolaeghe

INCOMENT OF THE OWNER.

- 04 / FINANCIAL PERFORMANCE
- 10 / **BALANCE SHEETS** AND PROFIT AND LOSS ACCOUNTS
- 16 / ACTIVITY INDICATORS
- 19 / BOARDS AND **COMMITTEES**
- 22 / SITES AND **ESTABLISHMENTS**



# Financial performance

If remer's overall resources for 2011 reached 237.38 million euros. Not including internal transactions<sup>1</sup>, they amounted to 210.23 million euros, showing a drop of 3.76 million euros from 2011 (-1.76%).

This trend is the result of the combination of two factors: the rise (+0.36%) in subsidies for public service charges (SCSP) and the fall in contractual resources (-7.52%).

#### RESOURCES

CONSOLIDATED RESOURCES	PERFOR- MANCE 2011 (IN EUROS)	IN % OF TOTAL, NOT INCLUDING INTERNAL TRANSAC- TIONS	PERFOR- MANCE 2012 (IN EUROS)	IN % OF TOTAL, NOT INCLUDING INTERNAL TRANSAC- TIONS	TREND 2011-2012 (IN EUROS)	TREND 2011-2012 (IN %)
Programme 187: Research in the field of environmental and resource management	147,072.366	68.73%	148,812.315	70.78%	1,739.949	1.18%
Programme 113: Urban planning, landscapes, water and biodiversity	3,202.262	1.50%	2,661.057	1.27%	-541.205	-16.90%
Programme 154: Economy and sustainable development of agriculture, fisheries and territories	2,406.909	1.12%	1,887.255	0.90%	-519.654	-21.59%
Programme 206: Food safety and health and hygiene quality	3,708.199	1.73%	3,520.098	1.67%	-188.101	-5.07%
Programme 172: Multidisciplinary scientific and technological research	74.002	0.03%	148.509	0.07%	74.507	100.68%
AVAILABLE RESOURCES ON GRANTS FOR PUBLIC SERVICE CHARGES	156,463.738	7312%	157,029.235	74.69%	565.497	0.36%
CONTRACTUAL RESOURCES	57,532.882	26.88%	53,203.978	25.31%	-4,328.904	-7.52%
TOTAL RESOURCES AVAILABLE NOT INCLUDING INTERNAL TRANSACTIONS	213,996.619	100.00%	210,233.212	100.00%	-3,763.407	-1.76%
Net book value of assets written off (internal transactions)	852.000		347.541		-504.459	-59.21%
Depreciation expenses (internal transactions)	28,554.000		26,794.499		-1,759.501	-6.16%
TOTAL RESOURCES AVAILABLE	243,402.619		237,375.252		-6,027.367	-2.48%

1 Depreciations and book value of assets sold. A reminder that these accounting entries have no impact on the Institute's balanced budget.



With respect to these resources, Ifremer's consolidated expenditure for 2012 reached 238.47 million euros, thus down by 0.85% from 2011 (M $\in$ 240.49). Once consolidated, Ifremer's overall spending for 2012 reached 211.33 million euros, showing a change of +0.11% from 211.09 (M $\in$ 211.09).

The trend indicates the stability of the Institute's expenses overall: the difference between 2012 and 2011 performance is 0.24 million euros.

This trends, addressed section by section, is characterised by controlled operating costs (+2.35 million euros, i.e. +1.23% compared to 2011) and staff costs (-0.09%) as well as by a drop in investment transactions (-2.11 million euros, i.e. -10.26% from 2011), particularly marked in terms of the scientific equipment (-1.34 million euros) purchased in 2012 and facilities (-1.42 million euros).

#### DÉPENSES CONSOLIDÉES

CONSOLIDATED EXPENSES (OPERATIONS + INVESTMENTS)	PERFOR- MANCE 2011 (IN EUROS)	% OF TOTAL	PERFOR- MANCE 2012 (IN EUROS)	% OF TOTAL	TREND 2011-2012 (IN EUROS)	TREND 2011-2012 (IN %)
Payroll expenses (Ifremer)	110,557.787	52.38%	110,457.064	52.27%	-100.723	-0.09%
Fleet-related spending	38,027.737	18.02%	40,173.952	19.01%	2,146.216	5.64%
Scientific programmes	40,167.145	19.03%	39,198.498	18.55%	-968.647	-2.41%
Resources for laboratories-facilities	17,073.103	8.09%	15,771.667	7.46%	-1,301.436	-7.62%
Support expenses	4,443.673	2.11%	4,403.612	2,.8%	-40.061	-0.90%
Cross-cutting operations: PGI			500.000	0.24%	500.000	NS
Fiscal year depreciations - operating costs	820.384	0.39%	820.384	0.39%		-
GRAND TOTAL NOT INCLUDING INTERNAL TRANSACTIONS	211,086.829	100.00%	211,325.178	100.00%	238.348	0.11%
Fiscal year depreciations - internal transactions	28,553.540		26,794.499		-1,759.041	
TOTAL (CONSOLIDATED) EXPENSES	240,492.703		238,467.218		-2,025.486	

On the balance sheet, the following elements indicate Ifremer's financial performance:

• the profit and loss account shows a credit balance of M $\in$ 0.18.

• the working capital was raised to 0.61 million euros.



## Resources

## OPERATIONS

The operating resources for the 2012 accounting year totalled 220.21 million euros, which is a drop of -1.04% compared to 2011 (222.53 million euros).

Not including internal transactions, these operating assets amounted to  $M \in 193.07$ , and therefore have remained stable with respect to 2011  $(M \in 193.12)$ .

The change seen between the two financial years in the amount of subsidies for public service charges (SCSP) is mostly due to the following elements:

• The share of the subsidy granted by the Ministry of Research and allocated to operations was 135.62 million euros, compared to 131.91 million euros in 2011. This increase of +M€3.73 from 2011 is essentially the result of special measures taken by the State and the Ministry for the financing of very large research infrastructures (TGIR, +3.03 million euros from 2011).

• The subsidy for public service charges allocated by the Ministry of Ecology for the management of environments and biodiversity (action 7 of programme 113) amounts to 2.27 million euros, which is down in comparison to the subsidy granted in 2011 (3.20 million euros). This fall is directly linked to the scheduling of work and studies for the implementation of the Marine Strategy Framework Directive.

• The subsidy for public service charges allocated under programme 154 (economy and sustainable development of agriculture, fisheries and territories) reached 1.89 million euros in 2012. As in 2011, the framework agreement setting out the relations between our Institute and the Department of maritime fisheries and aquaculture maintains its orientation based on fisheries and aquaculture issues and missions.

• A M $\in$ 3.52 subsidy for public service charges was allocated by the Ministry of Agriculture, Agrifood and Forests under the Food safety and sanitary quality, remaining stable with respect to 2011 (M $\in$ 3.71).

The contractual operating resources taken into account reached 49.62 million euros, i.e. down M $\in$ 2.37 from the 2011 financial year. That said, the weight of these resources when compared with the total operating resources (not including internal transactions) remains significant, since they represent 25.70 %.

The most significant decrease was that recorded in terms of co-financing or matched funding obtained from the European Union and from international partners. However, this is mostly due to the late officialisation of EU participation in financing the French national programme for fisheries data collection, management and use (DCF), and thus only some of the funds expected to this end were taken into account for 2012.

As regards our Institute's other partners, we can highlight the greater participation of the National research agency (ANR) of private-sector enterprises in financing scientific programmes. In particular the ANR can be credited for the co-financing obtained in the framework of the CongoLobe programme (study on deep-sea ecosystems in the terminal lobes of the Congo River's deep-sea fan) and the level of additional amounts from Carnot édrome provided in 2012.

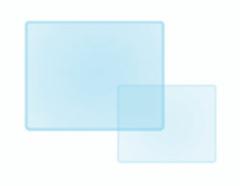
In terms of missions carried out in partnership with private companies, which had a particularly great impact on the amounts of income taken into account, the following can be mentioned:

• Futuna, a research project off Wallis & Futuna undertaken in association with Technip and Eramet, whose performance amounts to 2.62 million euros in the 2012 accounts;

• Magic, a joint project between Ifremer, IUEM, the University of Lisbon and Petrobras, which is part of the study of the deep structure of margins off Brazil, accounting for some 4.27 million euros;

• Manopi, a technological research programme for shipwreck localisation, stemming from cooperation between the Alcen firm and Ifremer;

• or two other examples of research programmes in partnership with Total: a geotechnical study in the Gulf of Guinea (Egina programme) and the deployment of seafloor observatories in the Usan zone (Horus Usan programme).



# Investments

Investment resources established in 2012 totalled  $M \in 17.16$ . This was less than in 2011 (a drop of 3.71 million euros), in keeping with the level of 2011 co-financing secured for substantial operations, the first of which being the renovation of the Bouin station.

Apart from a share of the public service charge subsidy for mission 187, to the amount of  $M \in 13.19$ , resources in 2012 take account of the funding by the Ministry of the Environment of the filing of an exploration permit for sulphide deposits in the international zone of the Atlantic ( $M \in 0.39$ ).

Next, the contractual resources include cofinancing of operations conducted directly with the national research agency (ANR), particularly the Carnot édrome-approved operations and the continuation of the EquipEX NAOS programme (which aims to consolidate the French and European participation in the international ARGO profiling float network).

Co-financed operations in 2012 which are part of the State-region project contracts (CPER) are CETSM (European centre for underwater technologies), which was launched and conducted within the CPER Provence-Alps-Côte d'Azur framework and the Crest Argo programme (CPER Brittany).



#### CONTRACTUAL RESOURCE

CONTRACTUAL RESOURCE TRENDS BY SOURCE OF FUNDING BETWEEN 2011 AND 2012	PERFORMANCE 2011 (IN EUROS)	PERFORMANCE 2012 (IN EUROS)	TREND 2011-2012 (IN EUROS)	TREND 2011-2012 (IN %)
1 - State	6,537.968	5,430.066	-1,107.902	-16.95%
2 - French national research agency	2,034.457	2,953.028	918.570	45.15%
3 - EU organisations and International partners	14,745.523	12,578.435	-2,167.088	-14.70%
4 - Local and regional authorities and other public institutions	11,998.051	10,235.469	-1,762.583	-14.69%
5 - Private partnership	12,537.002	13,426.876	889.874	7.10%
6 - Miscellaneous income	4,129.987	4,991.348	861.361	20.86%
GRAND TOTAL	51,982.989	49,615.222	-2,367.767	-4.55%

#### CONTRACTUAL RESOURCE

CONTRACTUAL RESOURCES: SHARE OF EACH TYPE	PERFORM	NCE 2011	PERFORMANCE 2012		
OF PARTNER RECONCILED WITH TOTAL AMOUNT OF CONTRACTUAL RESOURCES NOTED	IN EUROS	IN %	IN EUROS	IN %	
1 - State	6,537.968	12.58%	5,430.066	10.94%	
2 - French national research agency	2,034.457	3.91%	2,953.028	5.95%	
3 - EU organisations and International partners	14,745.523	28.37%	12,578.435	25.35%	
<ul> <li>4 - Local and regional authorities and other public institutions</li> </ul>	11,998.051	23.08%	10,235.469	20.63%	
5 - Private partnership	12,537.002	24.12%	13,426.876	27.06%	
6 - Miscellaneous income	4,129.987	7.94%	4,991.348	10.06%	
GRAND TOTAL	51,982.989	100.00%	49,615.222	100.00%	

# Expenditure

## OPERATIONS

Operating expenses for Ifremer in 2012 came to 220.03 million euros, including internal transactions. Not including internal transactions, the operating expenditure was 192.89 million euros and shows a spending trend which is up + 2.34 million euros (+ 1.23 %) from 2011 (190.54 million euros).

Ifremer personnel costs, including temporary worker spending, reached 110.46 million euros in 2012 compared to 110.56 million euros in 2011.

The key performance indicators are based on the following main data: the annual average manpower was established at 1,280 FTE in 2012, against 1,309 FTE in 2011. The average pay for permanent staff (RMPP) for employees with private law contracts (EPIC) showed a payroll progression of 2 %. Staff under the private law EPST status benefited from measures taken to raise the point value, grade promotions and individual promotion measures.

Fleet expenditure reached M€38.39, rising by +5.11 %, i.e. by +M€1.87 between 2011 and 2012 accounting years.

2012 activity featured 1,035 days at sea for offshore vessels (1,061 days in 2011) and 759 days for inshore vessels (715 days in 2011). The activity continued in spite of two long technical stops.

Increased spending is mainly due to the rise in fuel costs (+ 13.2% between 2011 and 2012, i.e. +0.90 million in euros).

The Institute's other cost items were stable in terms of amounts. Performance of the 2012 expenditure is consistent with the priorities given to teams to develop synergies and optimise the resources allocated to them.

OPERATING EXPENSES						
COSTS - OPERATING EXPENSES	PERFOR- MANCE 2011 (IN EUROS)	% OF TOTAL	PERFOR- MANCE 2012 (IN EUROS)	% OF TOTAL	TREND 2011-2012 IN EUROS	TREND 2011-2012 IN %
Payroll	110,557.787	58.02%	110,457.064	7.26%	-100.723	-0.09%
Fleet-related spending	36,525.133	19.17%	38,392.826	19.90%	1.867	5.11%
Scientific programmes	27,178.606	14.26%	27,551.907	14.28%	373.301	1.37%
Resources of laboratories: facilities	11,699.834	6.14%	11,820.277	6.13%	120.443	1.03%
Support expenses	3,763.098	1.97%	3,848.778	2.00%	85,680.694	2.28%
Depreciation - share of revalued assets	820.384	0.43%	820.384	0.43%	-	
TOTAL OPERATING EXPENSES	190,544.842	100.00%	192,891.237	100.00%	2,346.395	1.23%
Book value of assets sold	852.334		347.541		-504.793	
Fiscal year depreciations - internal transactions	28,553.540		26,794.499		-1,759.041	
TOTAL OPERATING EXPENSES	219,950.716		220,033.277		82.561	

## INVESTMENTS

Expenditure of 18.43 million euros was commissioned for the fiscal year (down M€2.11 from 2011).

In the framework of the Fleet equipment and work programme, operations reached 1.78 million euros, rising by 0.28 million euros.

As in 2011, these investments involved those which are essential for maintaining the fleet in operational condition and replacing scientific and navigational equipment in order to guarantee the required technical capability. In this context, the cost related to the two technical stops should be highlighted: the corresponding investment spending amounted to  $M \in 0.76$ .

Spending for scientific programmes reached 11.65 million euros in 2012 (compared to 12.99 million euros in 2011) thus falling by 1.34 million euros from the previous accounting year. This trend results firstly from 2011 performance which effectively included exceptional operations, missions which were completed in 2011 (chemical test development, and a series of operations still underway in 2012, but which require fewer resources than in 2011, e.g. the scientific equipment and facilities at CETSM.

In 2012, on top of obtaining the permit to explore sulphide deposits in the Atlantic (cost of M $\in$ 0.39) and the equipment required to take the NAOS and ARGO files forward, spending for programmes was incurred in order to renew equipment and facilities and cover the needs of teams in the framework of highly diverse and multidisciplinary co-financed operations.

The means allocated to laboratories, facilities and infrastructures totalled 3.96 million euros in 2012, compared to 5.37 million euros in 2011. This level of performance and the 2012-2011 trend demonstrate both expenditure restrictions and the completion in 2012 of programmes that had greatly mobilised our Institute's spending in 2011, the best example of which is the work done on Bouin station.

PERFOR-			
	% OF TOTAL	TREND 2011-2012 IN EUROS	TREND 2011-2012 IN %
1,781.126	9.66%	278.522	18.54%
11,646.591	63.18%	-1,341.948	-10.33%
3,951.390	21.44%	- 1,421.879	-26.46%
500.000	2.71%	500.000	NS
554.834	3.01%	- 122.741	-18.11%
% 18,433.941	100.00%	- 2,108.046	-10.26%
	MANCE 2012 (IN EUROS)           1,781.126           6         11,646.591           6         3,951.390           500.000           5554.834	TAL         MANCE 2012 (IN EUROS)         % OF TOTAL           1,781.126         9.66%           4         11,646.591         63.18%           6         3,951.390         21.44%           500.000         2.71%           5554.834         3.01%	TAL         MANCE 2012 (IN EUROS)         % OF TOTAL         2011-2012 IN EUROS           1,781.126         9.66%         278.522           6         11,646.591         63.18%         -1,341.948           6         3,951.390         21.44%         - 1,421.879           500.000         2.71%         500.000           554.834         3.01%         - 122.741

## IT MANAGEMENT

Ifremer's IT management system is mainly based on the Sioux software developed in house over the past fifteen or so years. Seeing that it is becoming increasingly difficult to incorporate new regulatory requirements in this platform, Ifremer launched an operation to overhaul its management tools, which has led to two actions:

• technical upgrading of the Sioux application in a recent, non-obsolete version of Oracle, installed on the main server of Ifremer's databases. This migration was achieved during 2011 and put into operation in early December, making application more secure and improving its performances overall;

• launching a "competitive dialogue" call for tender, so that an integrated market solution to replace the Sioux application can be acquired in the longer term. The project's objectives are to translate the main management processes into computerized processes, incorporate all types of data (finances, human resources) and to base this on shared systems of reference (third party suppliers/clients, analytics, budget-related, personnel, organisations, etc.). The first modules of the new system are slated to be put into place in late 2013.

# Balance sheets and profit and loss accounts

## BALANCE AT CLOSING BEFORE ALLOCATION OF PROFIT OR LOSS

		ASSETS			
BALANCE SHEET		EXERCICE 2012		EXERCICE 2011	TREND
	GROSS	DEPR. PROV.	NET	NET	%
Capital not called up	-		-	-	
FIXED ASSETS					
Intangible fixed assets	32,406,940.60	25,040,367.71	7,366,572.89	6,232,438.21	18.2
Preliminary and formation expenses	13,270.16	13,256.49	13.67	26.29	-48.0
Research and development costs	-	-	-	-	
Concessions, patents, licences, trademarks, processes, software and similar rights	28,996,343.89	24,816,565.79	4,179,778.10	2,909,884.56	43.6
Purchased goodwill	-	-	-	-	
Other	246,082.16	210,545.43	35,536.73	50,479.83	-29.6
Intangible assets in progress	740,259.54	-	740,259.54	455,353.62	62.6
Advances and prepayments	2,410,984.85		2,410,984.85	2,816,693.91	-14.4
Tangible fixed assets	495,859,794.92	303,803,414.67	192,056,380.25	201,057,905.30	-4.5
Land and developments	7,111,050.70	803,590.65	6,307,460.05	6,225,196.94	1.3
Buildings	112,374,114.18	57,084,199.26	55,289,914.92	53,287,273.89	3.8
Industrial fixtures, fittings, plant machinery and equipment	123,740,211.24	108,469,713.09	15,270,498.15	13,728,110.75	11.2
Collections	961,735.82	-	961,735.82	983,928.91	-2.3
Vessels and underwater vehicles	208,853,440.09	106,546,135.78	102,307,304.31	110,382,334.82	-7.3
Other	35,283,721.49	30,899,775.89	4,383,945.60	4,531,378.89	-3.3
Tangible assets in progress	4,325,822.95	-	4,325,822.95	4,293,942.87	0.7
Advances and prepayments	3,209,698.45		3,209,698.45	7,625,738.23	-57.9
Investments	6,643,991.59	345,451.85	6,298,539.74	6,338,077.73	-0.6
Holdings	880,089.93	345,451.85	534,638.08	534,638.08	0.0
Loans to group companies	-	-	-	-	
Other forms of investments	-	-	-	-	
Other investments	-	-	-	-	
Loans	5,361,154.65	-	5,361,154.65	5,425,722.64	-1.2
Other (deposits and guarantees paid)	402,747.01	-	402,747.01	377,717.01	6.6
TOTAL I	534,910,727.11	329,189,234.23	205,721,492.88	213,628,421.24	-3.7

		ASSETS			
BALANCE SHEET		EXERCICE 2012		EXERCICE 2011	TREND
	GROSS	DEPR. PROV.	NET	NET	%
CURRENT ASSETS			-	-	
Inventory	43,021.13	-	43,021.13	38,987.92	10.3
Raw materials and other supplies	43,021.13	-	43,021.13	38,987.92	10.3
Work in progress (production)	-	-	-	-	
Work in progress (services)	-	-	-	-	
Intermediate and finished products	-	-	-	-	
Goods	-	-	-	-	
Advances and prepayments	3,712,198.18		3,712,198.18	2,739,398.52	35.5
Debts	59,200,542.22	1,669,112.39	57,531,429.83	53,658,015.90	7.2
Trade accounts receivable	19,770,108.21	1,669,112.39	18,100,995.82	15,203,909.37	19.1
Other	39,430,434.01	-	39,430,434.01	38,454,106.53	2.5
Capital -called up and unpaid	-				
Accounts receivable	299,456.02		299,456.02	88,854.60	237.0
CASH	26,260,657.98	-	26,260,657.98	26,650,591.94	-1.5
Banking	26,212,900.08		26,212,900.08	12,573,235.13	108.5
Cash account	5,486.54		5,486.54	19,040.22	-71.2
Secondary accounting officers	-		-	-	
Service authorising expenses to be incurred	42,221.36		42,221.36	39,165.25	7.8
Service enabling funds to be received	50.00		50.00	50.00	0.0
Libraries and Publishing unit accounts service	-				
Internal transfers	-				
ADJUSTMENTS					
Prepaid expenses	40,251.58		40,251.58	109,956.23	-63.4
TOTAL II	89,556,127.11	1,669,112.39	87,887,014.72	83,285,805.11	5.5
Charges over several financial years	-		-	-	
Loan redemption premiums (IV)	-		-	-	
Unrealized exchange losses (V)	-		-	-	
GRAND TOTAL ( I + II + III + IV )	624,466,854.22	330,858,346.62	293,608,507.60	296,914,226.35	-1.1

LIABILITIES			
	EXERCICE 2012	EXERCICE 2011	TREND %
EQUITY			
Capital (including paid, etc.)	-	-	
Allocation contributions	1,520,345.97	1,520,345.97	0.0
Allocations from State	291,138.30	291,138.30	0.0
Additional allocations from State	543,382.59	543,382.59	0.0
Additional allocations - Organisations other than the State	536,967.50	536,967.50	0.0
Capital donations and legacies	148,857.58	148,857.58	0.0
Premiums arising from share issues, mergers assets brought in	-	-	
Revaluation reserves	22,046,464.37	22,046,464.37	0.0
Equity method evaluation difference	-	-	
Retained earnings	3,906,397.83	1,327,081.91	194.4
Legal reserve	-	-	
Statutory or contractual reserves	-	-	
Regulated reserves	-	-	
Optional reserves	3,906,397.83	1,327,081.91	194.4
Other	-	-	
Profits/Losses brought forward	-	-	
Result for financial year (profit or loss)	178,906.68	2,579,315.92	-93.1
Investment grants	177,967,315.17	186,356,055.24	-4.5
Regulated provisions	-	-	
TOTAL I	205,619,430.02	213,829,263.41	-3.8
PROVISIONS			
Provisions for contingencies	167,545.00	35,000.00	378.7
Provisions for expenses	12,689,767.69	13,174,977.12	-3.7
TOTAL II	12,857,312.69	13,209,977.12	-2.7



LIABILITIES			
	EXERCICE 2012	EXERCICE 2011	TREND %
LIABILITIES			
Loans and related liabilities	34,771.41	3,448.41	908.3
Convertible debenture loans	-	-	
Other debenture loans	-	-	
Loans from credit institutions	-	-	
Misc. loans and financial debts	34,771.41	3,448.41	908.3
Received advances and prepayments	4,427,440.27	983,246.55	350.3
Operating liabilities	60,276,639.07	60,072,011.73	0.3
Trade accounts payable and related accounts	17,718,290.78	16,130,210.74	9.8
Tax and social security payable	42,558,348.29	43,941,800.99	- 3.1
Non-operating liabilities	10,265,056.16	8,543,242.13	20.2
Trade accounts payable - fixed assets	8,977,240.86	7,535,128.32	19.1
Other liabilities	1,287,815.30	1,008,113.81	27.7
Liquid debts			
ADJUSTMENTS			
Deferred income	127,857.98	273,037.00	- 53.2
TOTAL III	75,131,764.89	69,874,985.82	7.5
Unrealized exchange profit (IV)	-	-	
GRAND TOTAL (I + II + III + IV)	293,608,507.60	296,914,226.35	- 1.1



RESULT (IN €)			
	EXERCICE 2012	EXERCICE 2011	TREND %
OPERATING INCOME			
Sales of goods purchased for resale	9,942.21	12,155.84	-18.2
Sales of finished goods and services (a)	23,623,590.77	22,425,543.29	5.3
Net turnover (j)	23,633,532.98	22,437,699.13	5.3
including export	16,892,255.78	16,892,255.78	0.0
Change in stock of finished goods and work in progress	0.00	0.00	
Capitalised production costs	2,033,323.38	1,051,661.52	93.3
Production for fiscal year	25,666,856.36	23,489,360.65	9.3
including Consultancy (including work-in-progress)	-7,839.00	24,416,323.66	-100.0
Operating subsidies	162,536,058.06	166,324,799.83	-2.3
Write-off of provisions and depreciations / transfers of expenses	2,936,979.21	2,115,904.18	38.8
Other revenues	1,571,657.35	879,603.74	78.7
TOTAL OPERATING INCOME I	192,711,550.98	192,809,668.40	-0.1
Purchase of goods for resale (c)	0.00	0.00	
Change in stock (d)	0.00	0.00	
Purchase of raw materials, supplies and other consumables (c)	94,176.44	93,020.36	1.2
Change in stock (d)	-4,033.21	8,456.30	-147.7
Other purchases and external charges	6,140,950.41	6,510,584.93	-5.7
Purchases incorporated in products	792,528.46	0.00	
Intermediate expenses	77,524,449.72	76,576,508.49	1.2
Outsourcing	70,500,827.62	69,964,446.90	0.8
OPERATING COSTS			
Taxes, duties and similar levies	10,041,422.38	9,879,755.79	1.6
Payroll	99,296,596.21	99,099,609.40	0.2
Depreciation and provisions (e)	31,355,211.74	32,506,639.82	-3.5
Other charges	1,045,962.99	414,880.38	152.1
TOTAL OPERATING INCOME II	219,263,643.04	218,477,393.88	0.4
Operating income corrected for share of subsidy (for info.)	589,947.81	3,738,148.57	-84.2
RÉSULTAT D'EXPLOITATION (I - II)	-26,552,092.06	-25,667,725.48	3.4

RESULT (IN €)			
	EXERCICE 2012	EXERCICE 2011	TREND %
Share of profits from joint ventures			
Profit or transferred loss III	0.00	0.00	
Loss or transferred profit IV	0.00	0.00	
Income from shares and loans to companies (3)	82,125.00	115,933.00	-29.2
Income from securities and other financial fixed assets (3)	9,103.76	11,156.40	-18.4
Other financial income (3)	90.83	2,513.16	-96.4
Write-off of provisions and transfers of charges	0.00	0.00	
Realised gains on exchange differences	7,616.63	16,563.01	16,563.0
Proceeds from sale of securities	1,485.86	108,976.86	-98.6
TOTAL FINANCIAL INCOME V	100,422.08	255,142.43	-60.6
FINANCIAL EXPENSES			
Depreciation and provisions expense	0.00	0.00	
Interest expenses (4)	922.13	106.36	767.0
Realized exchange losses	17,801.82	7,743.44	129.9
Net loss from sale of securities	0.00	0.00	
TOTAL FINANCIAL EXPENSES VI	18,723.95	7,849.80	138.5
Current profit before tax, corrected for share of subsidy	671,645.94	3,985,441.20	-83.1
CURRENT RESULT before tax (I-II-III-IV-V-VI)	-26,470,393.93	-25,420,432.85	4.1
EXTRAORDINARY INCOME			
Extraordinary operating expenses	17,470.57	40,645.54	-57.0
Net book value of assets disposed of	27,382,739.87	29,424,575.43	-6.9
Write-off of provisions and depreciations and transfers of expenses	0.00	0.00	
TOTAL EXTRAORDINARY PROFIT VII	27,400,210.44	29,465,220.97	-7.0
EXTRAORDINARY EXPENSES			
Extraordinary operating expenses	335,262.19	134,076.74	150.1
Net book value of assets disposed of	378,377.64	1,317,321.46	-71.3
Depreciation and provisions expense	0.00	0.00	
TOTAL EXTRAORDINARY EXPENSES VIII	713,639.83	1,451,398.20	-50.8
EXTRAORDINARY RESULT (VII-VIII)	26,686,570.61	28,013,822.77	-4.7
Employees profit sharing (IX)	0.00	0.00	
Corporate tax (X)	37,270.00	14,074.00	164.8
TOTAL INCOME (I+II+V+VII)	220,212,183.50	222,530,031.80	-1.0
TOTAL EXPENSES (II+IV+VI+VIII+IX+X)	220,033,276.82	219,950,715.88	0.0
PROFIT (+) OR LOSS (-)	178,906.68	2,579,315.92	-93.1
SELF-FINANCING	1,639,091.18	4,550,965.08	-64.0

# Activity indicators

#### CHAPTER I: RESEARCH AND EXPERTISE AT THE HEART OF THE FRENCH AND EUROPEAN MARINE SCIENCE COMMUNITIES NETWORK AND SERVING ECONOMIC DEVELOPMENT

	OBJECTIVES	INDICATORS	2012
1	Promote better structuring of French marine research	1. The proportion of marine science publications by the Alliance with respect to French, European and world production for oceanography, including Ifremer (LOLF P187)	Publications Ifremer* 438 Alliance share National: 82.4% (10.5%) EU: 14% (0.7%)
		2. Publication map for Ifremer associated with French partners and percentage of co-publications Share of co-publications with P187 operators	307 i.e. 70% 55 i.e. 12.5%
		3. Mean number of citations of Ifremer publications over three years (LOLF P187)	1,043 Index 2.28
	Be a driver of Marine Science policy in Europe	4. Number of European projects and rate of success for Framework programme R&D proposals (LOLF P187)	25 40%
2		5. Percentage of coordination of European projects (LOLF P187)	20%
		6. Percentage of co-publications with European partners (LOLF P187)	134, i.e. 31%
3	Develop targeted international cooperation and strengthen the action in the Mediterranean	7. Map of international co-publications (including co-publications with the United States, Canada, Russia, Japan, Brazil, China and Mediterranean countries and co-publications with countries in Southern hemisphere, LOLF P187]	147 i.e. 33.5%
4	Optimise the links between public- and private-sector research	8. Percentage of contacts with firms in total resources (LOLF P187)	6.95%
4		9. Number of private-sector contracting parties.	299
		10. Scientific and technological papers and presentations in professional meetings	→ 1,000
5	Make French research and expertise more responsive to the needs of society	11. Number of annual full time equivalent posts mobilised to respond to public-sector orders for data, expert appraisals and opinions	299 → 1,000 361 263 See indicator 23 for
	and public authorities	12. Number of published opinions and appraisals in response to a formal order by public authorities (LOLF P187)	263
		13. Level of satisfaction of those requesting expert appraisals	See indicator 23 for fisheries
6	Make technological transfer activity more professional	14. Returns from fees/outside expenditures for filing patents and licenses (LOLF P187)	4.56 937,871/ 20,482
7	Raise awareness and encourage scientific teams to become more active in valorisation	15. Number of patents and software programmes in portfolio (LOLF P187)	54 patents + 21 software programs
		16. Number of licences/number of patents	35/54

(\*) Indicators 1, 2, 6, 7, 17, 18, 19, 21, 24, 28, 29, 35 and 39 come from publications in 2012 and not yet recorded in the WOS in 2012.



#### CHAPTER 2: SCIENTIFIC PROGRAMMING TO SUPPORT STRATEGIC OBJECTIVES

	OBJECTIVES	INDICATORS	2012
8	Learn more about ocean circulation to supplement the diagnosis of global change	17. Number of publications	104
9	Learn about and characterise marine biodiversity to better protect it	18. Number of publications	63
10	Develop knowledge and valorisation of biological resources through biotechnologies and bio-prospection	19. Number of publications	54
10		20. Number of patents	28
	Contribute to sustainable fisheries and aquaculture	21. Number of publications	154
11		22. Number of reports	159
		23. Level of satisfaction of those requesting expert appraisals in fisheries and aquaculture	98%
12	Promote sustainable use of mineral and energy resources	24. Number of publications	66
ΙZ		25. Number of reports	151
	Develop a global surveillance strategy, including both high seas and coastal areas, to meet international and	26. Number of opinions and expert appraisals using monitoring	255
13		27. Number of reports	348
	European challenges		89
	Design and set up a nationwide system of environmental forecasting of changes in coastal environments	29. Number of publications	38
14		30. Number of reports	68
		31. Number of professionals using operational oceanography services	58 (Prévimer) 162
15	Implement a national and European strategy for marine databases	32. Number of consultations of on-line marine databases	1,143,256
16	Promote shared capacity for technological innovation	33. Number of instrument systems completed or transferred	IMN/NSE: 13 IMN/SM:10

## CHAPITRE 3 : UNE MOBILISATION SUR LES ENJEUX DE L'OUTRE-MER

	OBJECTIVES	INDICATORS	2012
17	Promote social and economic development of ROM-COM (overseas regions and local authorities) through scientific support for local sectors	34. Scientific and technological papers and presentations in professional meetings	58
18	Add to scientific knowledge about tropical environments.	35. Number of publications	31
		36. Number of reports	30
19	Pursue and develop observation and monitoring activities in response to demands by higher authorities	37. Volumetrics of databases for coastal, aquaculture and fisheries monitoring data, acquired overseas	244,195

(3) Technological and operational units, not assessed by Aeres, were not evaluated by Ifremer in 2009 or in 2010.

(4) Accumulated over four years

The definitions of indicators 1, 3, 32, 56 and 57 have been modified with respect to the wording used in appendix 2 of the four-year contract. Effectively:

- The alliance for marine sciences was not created.

- The OST took the citation index as calculated over three years.

- The number of website consultations is a better indicator of how many visitors use them than the number of downloads, which are moreover, difficult to count.

- The base of the rate of renewal for certifications and evaluation varies too greatly for these rates to be compared from one year to another. Therefore, it was decided to use the counts made.

## CHAPTER 4: A FRENCH OCEANOGRAPHIC FLEET SERVING MARINE RESEARCH AND EXPLORATION

	OBJECTIVES	INDICATORS	2012
20	Continue integrating the fleet in Europe and nationwide	38. Number of research scientists on board (French and foreign, including from other European countries)	419
		39. Number of publications using data from research cruises	126
		40. Number of days of scientific activity for the high seas fleet, including public service, cruises submitted to bids for tender and partnerships	764
		41. Number of days high seas fleet was commissioned	1,128
01		42. Ratio of activity for high seas fleet / potential days	70%
21	Optimise fleet operations and facilities	43. Coastal fleet: number of days at sea	848
	44. Ratio of activity for c	44. Ratio of activity for coastal fleet / potential days	50%

CHAPTER 5: EFFICIENT AND HIGH-PERFORMANCE FUNCTIONING				
	OBJECTIVES	INDICATORS	2012	
22	Develop the capacity to attract, assimilate and generate loyalty of valuable personnel	45. Percentage of employees, including French nationals, recruited outside of France (in accordance with Marie Curie grant criteria for eligibility)		
		46. Number of salaried employees holding accreditation to supervise research	72	
23	Reinforce forecast-based management of jobs and skills	Signature of an agreement (milestone)		
	Promote external mobility and develop hosting capacity	47. Number of PhD students (including foreigners)	268 (73)	
24		48. Number of post-doc fellows (including foreigners)	77 (12)	
24		49. Number of Ifremer salaried employees on external mobility for more than two months, including abroad	*	
		50. Number of guests hosted for periods over two months, including foreign research scientists		
25	Create instruments to recognise and award individual and collective performance	State of progress for the approach (milestones)		
26	Develop a multi-annual financing vision to meet scientific programming targets	51. Percentage of contractual resources (LOLF P187) Production of multi-annual plans (milestone)	26.88%	
27	Broaden the modernisation of the Institute's financial management by providing stronger management support for scientists	Annual certification of accounts	obtenue	
28	Reassert Ifremer's ambitions and positioning	52. Number of citations in the media	3,520	
28		53. Monthly consultations of Ifremer websites	5,724,795	
29	Provide understandable and empowering information about Ifremer's work for the broadest readership	54. Number of communications actions	1,153	
30	Draw up Ifremer's sustainable development progress plan	55. Composite MEEDDM indicator (fluids, energy, video-conferences, etc.)	∽ <sup>(3)</sup>	
31	Aim for quality certification throughout Ifremer	56. Number of renewals for certifications obtained	100%	
	Make assessment an integral part of the organisation's operation, at every management level.	57. Number of assessments for Ifremer units	10 units (Aeres)	
32		58. Number of outside experts solicited for assessments	58 for units 9 for the organisation	

# Boards and committees

## **BOARD OF DIRECTORS**

The members of Ifremer's Board of Directors are elected for five years are as follows:

(Decree on the appointment of the Board: 04/05/2010)

(Decree on the appointment of the Chairman & Chief Executive Officer: 3 June 2010 - Official Journal of 4 June 2010)

#### **CHAIRED BY:**

Jean-Yves PERROT Chairman & Chief Executive Officer of Ifremer

#### MEMBERS REPRESENTING THE STATE:

Élisabeth VERGÈS Substitute: Bernard COMMERE Ministry of Higher education and research, General directorate for research and innovation

Claire HUBERT Substitute: Jean-Loup PETIT Ministry of Ecology, sustainable development and energy, Directorate of research and innovation

Christophe CHASSANDE Substitute: Marie-Bénédicte PEYRAT Ministry of Ecology, sustainable development and energy

Rear-Admiral Frédéric JUBELIN Substitute: Philippe MINON **Ministry of Defence** 

François POUGET Ministry of the Economy, Finance and Foreign Trade

Yves ROBIN Substitute: Claude MARCHAND Ministry of productive recovery

Pascal LE DEUNFF Substitute: Mona DEBBOUN BOUSSEDRA Ministry of Foreign Affairs, Directorate general of globalisation

Laurent ROY Substitute: Agnès VINCE Director for water and biodiversity, Ministry of Ecology, sustainable development and energy

#### MEMBERS CHOSEN FOR THEIR EXPERTISE IN FIELDS CLOSE TO THOSE OF IFREMER

Goulven BREST National shellfish-farming committee, Paris

Alain GOULOIS Total S.A. EP/SCR, Strategy growth research department, Pau

François JACQ Météo-France, Saint-Mandé

Pierre-Georges DACHICOURT

Charles BRAINE

#### **ELECTED REPRESENTATIVES OF PERSONNEL:**

Raoul GABELLEC, Larissa HAUGARREAU, Jean-Claude MASSON, Loïc PETIT DE LA VILLEON, Carla SCALABRIN, Jean TOURNADRE, Cathy TREGUIER

#### **MEMBERS IN AN ADVISORY CAPACITY:**

Pascale DELECLUSE - Ifremer scientific committee chairwoman Météo-France

#### **REPRESENTATIVE OF MINISTRY IN CHARGE OF FRENCH OVERSEAS DEPARTMENTS:**

Marie-Pierre CAMPO Marine officer, Degeom/SPP/DPARM , General delegation for French overseas departments

#### **GOVERNMENT COMMISSIONER:**

Christine COSTE DGRI, Ministry of Higher education and Research

#### GENERAL FINANCIAL AND ECONOMIC COMPTROLLER: Brigitte KLEIN

"Ecology and Sustainable development" mission

#### HEAD ACCOUNTANT FOR IFREMER:

Orlando COLONNEAUX

#### **SECRETARY GENERAL FOR THE SEA:**

Michel AYMERIC Rear-Admiral Patrick CHEVALLEREAU Assistant Secretary general for the Sea

#### **CENTRAL WORKS COMMITTEE SECRETARY:**

Christine CHOPIN

## SCIENTIFIC COMMITTEE

The scientific committee, whose secretariat has been provided by the Scientific directorate since the reorganisation, has undergone a few adaptations in working methods, mainly aiming to formalise its recommendations and to create closer ties with Ifremer's Board of Directors.

Two reference material documents were published on the subjects of biotechnologies and operational coastal oceanography. The scientific committee examined the progress made in the strategic approach, as well as Aeres' appraisal of the reports and projects of the units which were evaluated in autumn 2012.

When the committee membership came up for renewal, thought and discussion were engaged on how to ensure that key disciplines at Ifremer and its main partner organisations are better represented and to assert the role the scientific committee is expected to play.

**Pascale DELECLUSE,** scientific committee chairwoman Météo France, national centre for

meteorological research

Jean-Marie BECKERS GHER-AGO, University of Liège

**Gilles BŒUF** National museum of natural history MNHN, Paris

**Miquel CANALS-ARTIGAS** University of Barcelona

Loïc CHARPY, IRD

**Françoise GAILL** Institute of ecology and environment (INEE), Paris

#### Serge GARCIA

Véronique GARCON Spatial geophysics and oceanography laboratory (Legos), Toulouse

Jacqueline LECOURTIER Former general director of ANR

Didier MAZEL, Institut Pasteur

Yves MOREL, OMP/Legos, Toulouse

**Patrick POINT** Gretha Environnement, research group in theoretic and applied economics, Bordeaux PERSONNEL REPRESENTATIVES (ELECTED IN JUNE 2012)

Incumbents: Marie-Édith BOUHIER, Jean-François PÉPIN, Raymond KAAS

Substitutes: Karine OLU-LE ROY, Franck COPPIN, Catherine DREANNO

#### PERMANENT GUEST MEMBERS REPRESENTING ORGANISATIONS: Bernard DREYFUS

Substitute: Thomas CHANGEUX Directorate general for science (DGDS), Environment and Resources Department (DER), Marseille

**Pol GUENNOC** BRGM, Orléans

Yves FRENOT Institut Paul-Émile-Victor, Plouané

**Jean-François STEPHAN** Substitute: Jean-Marie FLAUD CNRS/INSU, Paris

Edwige QUILLET Fish genetics unit, INRA, Jouy-en-Josas

Pierre TOULHOAT

#### **PERMANENT MEMBERS:**

Jean-Yves PERROT, Chairman & CEO Patrick VINCENT, Deputy CEO Maurice HÉRAL, advisor to CEO Franck BERTHAULT, Director of human resources Pascale PESSEY-MARTINEAU, Director of communication Marie-Hélène TUSSEAU-VUILLEMIN, Scientific directorate, committee's scientific secretariat



## INDUSTRIAL AND TECHNICAL COMMITTEE

In October 2012, Ifremer launched its industrial and technical committee's work session. This committee is chaired by a renowned scientific figure, Jacqueline LECOURTIER, former general director of the ANR, and made up of personalities coming both from research organisations and from academia and the social-economic realm.

The CTI is consulted about the perspectives for technological and industrial development in maritime fields and as such, issues advice and opinions on the orientations of the Institute's technological research and development programmes, as well as on the research which should be conducted in various fields of interest for industrial and maritime activities. As the ideal instance for discussions and exchanges between industrial players and Ifremer, on the Institute's technological R&D programmes and on research results, particularly with the perspective of technology transfer and economic development, to the benefit of the Institute and professional value chains.

Jacqueline LECOURTIER CTI Chairwoman

Michel ACCARY DCNS

Pierre BALIGUET Sercel

Arnaud BOCQUET Pierre Fabre

Maurice BOUTÉCA IFP Énergies Nouvelles

Stéphane HIS Technip

Marie-Christine HUAU Veolia

Gérard JACQUIN INRA

**Bruno JARRY** Académie des Technologies

Jean-Claude LE BLEIS NKE Fabien NAPOLITANO

Valérie QUINIOU-RAMUS Total

Vincent TRELUT Eramet

Dominique VILBOIS ECA

Jean-Baptiste De FRANCQUEVILLE

Ministry of ecology, sustainable development, transport and housing

**Didier HOFFSCHIR** Ministry of higher education and research

#### **PERMANENT MEMBERS:**

J.-Y. PERROT, Chairman & Chief Executive Officer, P. VINCENT, Deputy Chief Executive Officer M.-H. TUSSEAU-VUILLEMIN, Scientific Director C. CHARONDIÈRE, Director of development, technology transfer and economic partnerships A.-M. ALAYSE, CGT union representative C. CHOPIN, CFDT union representative



# Sites and establishments

#### **HEADQUARTERS**

155 rue Jean-Jacques Rousseau 92138 Issy-les-Moulineaux Cedex Phone: 33 (0)1 46 48 21 00 Fax: 33 (0)1 46 48 21 21 www.ifremer.fr

#### **CHANNEL-NORTH SEA**

#### Channel-North Sea centre

150 quai Gambetta, B. P. 699 62321 Boulogne-sur-Mer Cedex Phone: 33 (0)3 21 99 56 00 Fax: 33 (0)3 21 99 56 01 http://wwz.ifremer.fr/manchemerdunord

#### Port-en-Bessin station

Avenue du Général de Gaulle, B. P. 32 14520 Port-en-Bessin Phone: 33 (0)2 31 51 56 00 Fax: 33 (0)2 31 51 56 01

#### BRITTANY

#### Centre de Bretagne

Z.I. Pointe du Diable CS 10070 29280 Plouzané Phone: 33 (0)2 98 22 40 40 Fax: 33 (0)2 98 22 45 45 www.ifremer.fr/b

#### Station expérimentale d'Argenton

Presqu'île du Vivier 29840 Argenton-en-Landunvez Phone: 33 (0)2 98 89 29 40 Fax: 33 (0)2 98 89 29 59 www.lfremer.fr/implant/argenton.htm

#### Lorient station

8 rue François Toullec 56100 Lorient Phone: 33 (0)2 97 87 38 00 Fax: 33 (0)2 97 87 38 01

#### Ifremer Cresco Station

38 rue du Port-Blanc, B. P. 80108 35801 Dinard Cedex Phone: 33 (0)2 23 18 58 58 Fax: 33 (0)2 23 18 58 50

#### Station de biologie marine

Place de la Croix B.P. 40537 29185 Concarneau Cedex tél. 02 98 10 42 80 Fax 02 98 10 42 81

#### Station de La Trinité

12 rue des Résistants, B. P. 86 56470 La Trinité-sur-Mer Phone: 33 (0)2 97 30 19 19 Fax: 33 (0)2 97 30 19 00

#### ATLANTIC

Atlantic centre Rue de l'Île-d'Yeu, B. P. 21105 44311 Nantes Cedex 03 Phone: 33 (0)2 40 37 40 00 Fax: 33 (0)2 40 37 40 01 http://wwz.ifremer.fr/atlantique

#### La Rochelle station

Place Gaby Coll, B. P. 7 17137 L'Houmeau Phone: 33 (0)5 46 50 94 40 Fax: 33 (0)5 46 50 93 79

#### Station d'Arcachon

Quai du Commandant-Silhouette 33120 Arcachon Phone: 33 (0)5 57 72 29 80 Fax: 33 (0)5 57 72 29 99

#### Bouin station

Polder des Champs 85230 Bouin Phone: 33 (0)2 51 68 77 80 Fax: 33 (0)2 51 49 34 12

#### La Tremblade station

Avenue de Mus de Loup Ronce-les-Bains B. P. 133 17390 La Tremblade Phone: 33 (0)5 46 76 26 10 Fax: 33 (0)5 46 76 26 11

#### Anglet site

1 Allée du parc Montaury 64600 Anglet Tel: 33 (0)2 29 00 85 92 Fax: 33 (0)2 29 00 85 52

#### MEDITERRANEAN

Mediterranean centre Zone portuaire de Brégaillon, CS 20330 83507 La Seyne-sur-Mer Cedex Phone: 33 (0)4 94 30 48 00 Fax: 33 (0)4 94 30 44 15

#### Station de Palavas

Chemin de Maguelonne 34250 Palavas-les-Flots Phone: 33 (0)4 67 13 04 00 Fax: 33 (0)4 67 13 04 58

#### Station de Sète

Avenue Jean-Monnet, B. P. 171 34203 Sète Cedex Phone: 33 (0)4 99 57 32 00

#### **Corsica station**

Immeuble Agostini SCI Endajola-Pastoreccia Z. l. de Bastia-Furiani 20600 Bastia Phone: 33 (0)4 95 38 00 24 Fax: 33 (0)4 95 38 95 14

#### **OVERSEAS**

**Pacific centre** B. P. 7004 98179 Taravao French Polynesia Phone: (00) 689 54 60 00 Fax: (99) 689 54 60 00 dir.cop@ifremer.fr http://wwz.ifremer.fr/cop

#### French Guiana delegation

Domaine du Suzini, B. P. 477 97331 Cayenne French Guiana Phone: (00) 594 30 22 00 Fax: (31) 594 30 80 00

#### Saint-Pierre-et-Miquelon delegation

Antenne Ifremer, Quai de l'Alysse 97500 Saint-Pierre Saint-Pierre-et-Miquelon Phone: (00) 508 41 30 83 Fax: (00) 508 41 49 36

#### New Caledonia delegation

Noumea office
101 promenade Roger Laroque
B. P. 2059
98846 Nouméa Cedex

• Station de Saint-Vincent Baie de Saint-Vincent 98812 Boulouparis New Caledonia Phone: (00) 687 28 51 71 Fax: (00) 687 28 78 57

#### French West Indies delegation

79, route de Pointe-Fort 97231 Le Robert Martinique Phone: (00) 596 66 19 40 Fax: (00) 596 66 19 41

#### Réunion delegation

Rue Jean Bertho, B. P. 60 97822 Le Port Cedex Réunion Phone: (00) 262 42 03 40 Fax: (00) 262 43 36 84







# Discover the oceans **With Ifremer**



155, rue Jean-Jacques Rousseau 92138 Issy-les-Moulineaux Cedex Tél. (33) 01 46 48 21 00 Fax (33) 01 46 48 21 21 www.ifremer.fr

