



**European Territorial Cooperation 2007-2013
Cross-border Cooperation Program Italia-Malta 2007 - 2013**

CCI 2007 CB 163 PO 037

Decision C(2008) 7336 of the 27 November 2008

Decision C(2013) 1080 of the 27/2/2013 amending Decision C(2012) 7627 of the 31/10/2012

ANNUAL IMPLEMENTATION REPORT 2014



1. IDENTIFICATION

Operational program	Objective concerned:	European Territorial Cooperation
	Eligible area concerned:	Italy - Malta
	Programming period:	2007-2013
	Program number:	CCI 2007 CB 163 PO 037
	Program title:	Operational Program Italia- Malta 2007-2013
Annual implementation report	Reference year:	2014
	Approval date of the annual report by the Monitoring Committee	Approved on the 26/06/2015 by written procedure of the MC - letter dated ref.

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2. OVERVIEW OF THE OPERATIONAL PROGRAM

2.1 Results and progress analysis

2.1.1 Material progress of the Operational Program

The programme indicators as envisaged by the OP that highlight the achieved objectives in comparison to the significant achievements of the Operational Programme are shown in Table 1 below.

Table 1.A Degree of projects cooperation within the programme context

LEVEL OF COOPERATION OF PROJECTS AT PROGRAMME LEVEL									
Programme Indicators	Unit of measure*	Baseline	Objective	Progress					2013 Progress SFC 2007
				2010	2011	2012	2013	2014	
Projects that respect at least two of the following criteria: joint development, joint implementation, joint personnel, joint financing. Cod 42 SFC2007	Percentage (%) of total projects	0	20%	0	6%	5%	4%	4%	n. 1
Projects that respect at least two of the following criteria: joint development, joint implementation, joint personnel, joint financing. Cod 43 SFC2007	Percentage (%) of total projects	0	55%	0	12%	14%	16%	16%	n. 4
Projects that respect all of the following criteria: joint development, joint implementation, joint staff, joint financing. Cod 44 SFC2007	Percentage (%) of total projects	0	25%	0	82%	82%	80%	80%	n. 20

The table highlights the percentage of approved operations (17 ordinary projects and 8 strategic projects) as at the 31/12/2014 with respect to the cooperation modes provided as from art. 19 of Reg. 1083/2006, activated by each project to be managed.

In detail, based on the data entered by the lead partner in the Section A.4 of the Application Form of the ordinary project proposals and in the Section C (point 27) of the Application Form of the strategic project proposals, the cooperation mode for each approved operation guaranteed during the project implementation, is being recorded (joint development, joint implementation, joint staff, joint financing).

In column 2014 the aggregate data was updated taking into account the partial closure of PIM strategic project (SIMIT and IMAGENX) Furthermore, in order to better clarify, in the column "2014 Progress SFC 2007" the data expressed in "number of projects" was reported; as inserted in the SFC 2007 system under the indicators n° 42, 43 and 44.

Taking into consideration the data collected in 2014 related to the 17 operations approved under the ordinary projects call and the 8 operations financed under the strategic call the disbursement targets set at a programme level can be respected.

Below is the list of all the progress as of the 31/12/2014, relative to the degree of cooperation at Program level, that were recorded through the examination and investigation of the requests for reimbursement from the Strategic projects submitted by the Lead Partner during the 2014

Table 1.B Degree of projects' cooperation within the program context

NATURE OF COOPERATION AT PROGRAMME LEVEL								
Programme Indicators	Unit of Measure*	Baseline	Target	Progress				
				2010	2011	2012	2013	2014
Projects that promote the use of common infrastructure	Percentage (%) of total projects	0	10%	0	12%	35%	32%	36%
Projects that develop partnerships in the public services sector	Percentage (%) of total projects	0	15%	0	6%	24%	44%	48%
Projects that reduce insularity through better transport accessibility, ICT networks and services	Percentage (%) of total projects	0	15%	0	0%	12%	20%	20%
Projects that encourage and improve the protection and common management of the environment	Percentage (%) of total projects	0	20%	0	12%	41%	52%	52%
Projects that contribute to the management of natural and anthropic risks	Percentage (%) of total projects	0	10%	0	6%	24%	32%	36%
Projects that promote R & ST and innovative networks	Percentage (%) of total projects	0	10%	0	0%	24%	36%	36%
Projects that jointly promote tourism in the cross-border area	Percentage (%) of total projects	0	20%	0	0%	18%	28%	48%
Public institutions (regional, local) that cooperate on a cross-border level	Number	0	100	0	11	66	256%	20%

In particular the progress involves the following Program indicators:

- Projects that promote the use of common infrastructure
- Projects that develop partnerships in the context of public services
- Projects that contribute to the management of natural and anthropogenic risks
- Projects that promote the R&ST and innovative networks
- Public Institutions (regional, local) that cooperate to cross-border level.

Specifically the physical progress detected is to be ascribed to the projects listed below with reference to the individual Program indicators:

Indicator “Projects that promote the common use of infrastructures”

- Project IMAGENX Axis II - specific objective 2.3 – that has developed an information System, capable of identifying the level of risk of breast cancer of the female population, by classifying it in

low, medium, high, through the analysis of factors of a family and environmental nature. The System, installed on a virtual platform at the local servers in Malta, allows the data collection of case studies related to patients from Malta, Palermo, and Syracuse in three separate databases.

Indicator “Projects that develop the partnership in public services”

- PORT-PVEV Axis II - specific objective 2.1 – which involved n. 4 Public Authorities in actions to improve energy efficiency through the use of renewable energy sources in port areas of interest of the project.

Indicator “Projects that contribute to the management of natural and anthropogenic risks”

- BIODIVALUE Axis II - specific objective 2.1 – that has realised (still in the final verticalisation phase) the "biodiware" computing platform that, through the joint elaboration of physical, chemical and biological data and economic data mapped and linked to maritime traffic, provides an estimate on the cause-effect relationship between maritime traffic and status of the marine environment

Indicator “Projects that promote R&ST and innovative networks”

- VIENERGY Axis II - specific objective 2.3 – that contributes to the promotion of R&D and innovative networks through n. 6 Innovations such as:
 - experimental plant for phytoremediation (Marabino cellar);
 - operating protocols for the depuration plant (Marabino cellar);
 - use of e-diesel on urban transport tests in Sicily (City of Marsala);
 - use of e-diesel on urban transport tests in Malta;
 - capitation of fermentation CO2 in Sicily;
 - use of fermentation CO2 for the production of seaweed in Sicily (Colomba Bianca cellar).
- IMAGENX Axis II - specific objective 2.3 – that realized the “Breast Screening Surveillance programme (BCSP)” through the use of a sophisticated information system aimed at measuring the risk of breast cancer through the monitoring of environmental and genetic factors involved in the spread of malignant tumors in the Mediterranean.

Indicator “Indicator "Public Institutions (regional and local) that cooperate on a cross-border level”

In the year 2014, 331 in the annual 2014 n.331 institutions were involved in activities carried out for strategic and ordinary projects. Listed below are the operations that have contributed to the valorisation of the indicator:

Tab. 1.C - Public Institutions (regional, local) that cooperate at cross-border level

Axis	Specific Ob.	Project	Institutions involved
AXIS I	1.1	THE HUB	9
	1.1	LITHOS	20
	1.1	PROMED	14
	1.3	ARCHAEOTUR	11
	1.3	GARDMED	12
	1.3	OBIMED	4
	1.3	SIBIT	10
AXIS II	2.1	MORISO	6
	2.1	BIODIVALUE	105

Axis	Specific Ob.	Project	Institutions involved
	2.1	PORT PVEV	4
	2.2	PANACEA	15
	2.1	SIMBIOTIC	4
	2.2	RESI	95
	2.3	CALYPSO	6
	2.3	VIENERGY	7
	2.3	IMAGENX	4
	2.4	WATER FRONT	5
TOTAL			331

2.1.2 Financial Information

Table 2 Financial data

PRIORITY	OP TOTAL FUNDS (EU AND NATIONAL) € A	EU CONTRIBUTION CALCULATION BASIS (PUBLIC OR TOTAL COST) B	TOTAL AMOUNT OF CERTIFIED ELIGIBLE EXPENDITURE INCURRED BY RECIPIENTS € C	CORRESPONDING PUBLIC CONTRIBUTION € D	IMPLEMENTATION RATE (%) E= D/A
Axis I - Competitiveness: innovation and research, sustainable development	10,319,146	P	8.306.878,88	8.306.878,88	80%
Axis II - Environment, energy and risk prevention	23,021,014	P	13.165.250,41	13.165.250,41	57%
Axis III - Technical assistance, awareness, communication and advertising	2,128,095	P	1.497.231,71	1.497.231,71	70%
TOTAL	35,468,255.00		22.969.361,00	22.969.361,00	65%

2.1.3 Information on the distribution of the used Funds

Table 3: Classification Sheet

Ob.	Priority issue	Funding methods	Territory	Economic Activity	Location	Planned Community contribution	Allocated Community contribution*
CTE	1 - R & TD activities in research centres	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	2.585.825	2.575.473
CTE	2 - R & TD infrastructures (including physical installations, equipment and high-speed computer networks linking research centres) and competence centres related to a specific technology	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	1.222.674	1.326.799
CTE	3 - Technology transfers and improvement of cooperation networks between small businesses (SMEs), between the said small businesses (SMEs) and other businesses and universities, post-secondary education institutions of all kinds, regional authorities, research centres and scientific and technological entities (science and technology parks, technopolis, etc..)	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	1.009.356	1.152.205
CTE	13 - Services and applications for citizens (online health services, e-government, e-learning, e-Inclusion, etc.)	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	624.344	581.176
CTE	26 - Multimodal Transport	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	2.211.219	2.121.068
CTE	43 - Energy efficiency, cogeneration, energy management	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	364.201	432.043
CTE	44 - Management of household and industrial waste	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	4.162.294	1.554.965
CTE	46 - Water treatment (waste water)	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	728.401	659.292
CTE	48 - Integrated Pollution Prevention and Control	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	1.821.004	1.814.942
CTE	51 - Promotion of biodiversity and nature protection (including Natura 2000)	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	1.847.018	1.926.645

Ob.	Priority issue	Funding methods	Territory	Economic Activity	Location	Planned Community contribution	Allocated Community contribution*
CTE	52 - Promotion of clean urban transport	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	2.315.276	2.125.000
CTE	53 - Prevention of risks (<i>including development and implementation of plans and measures for the prevention and management of natural and technological hazards</i>)	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	1.951.075	1.618.755
CTE	54 - Other measures for the preservation of the environment and the prevention of risks	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	4.422.438	2.344.766
CTE	55 - Promotion of natural resources	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	988.545	822.267
CTE	56 - Protection and enhancement of natural heritage	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	676.373	618.978
CTE	58 - Protection and enhancement of cultural heritage	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	1.170.645	1.031.175
CTE	80 - Promotion of partnerships, agreements and initiatives through the shareholders' networking	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	234.129	199.953
CTE	85 - Preparation, implementation, monitoring and inspection	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	1.204.464	1.313.983
CTE	86 - Evaluation and studies; information and communication	04 - Other types of financing	08 - Areas of cross-border cooperation	00 - Not applicable	CTE	608.736	402.682

* The amounts are referred to the administrative measures disposed of by the AdG for the closure of ordinary projects taking into account the sums certified to the European Commission on 31/12/2014. In addition to the sum, also the legally-binding commitments are considered undertaken by AdG for financing strategic projects reduced of the decolmitment from reconnaissance actions of the STC.

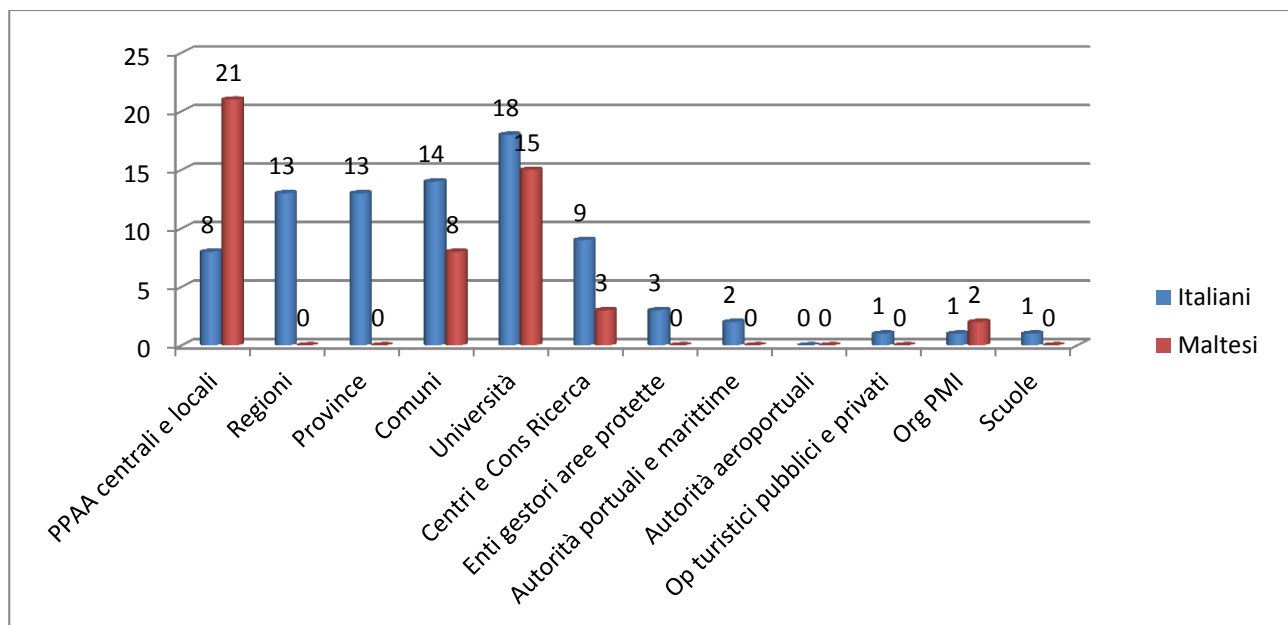
2.1.4 Progress achieved in the financing and implementation of financial engineering instruments former art. 44

The Italy-Malta Cooperation Programme 2007-2013 has not activated any type of financial engineering instrument.

2.1.5 Support allocated for target groups

During 2014 no further operations of ordinary and/or extraordinary type have been financed and therefore the data on the support shaper between groups of beneficiaries is unchanged compared to what is consolidated within the RAE 2013. On 31 December 2014 the overall financing is confirmed for 25 operations which included the involvement of 136 beneficiaries from the territories of the eligible area, of which 85 Italian and 51 Maltese. Having regard to the groups of beneficiaries regarding Priority Axis 1 “Competitiveness: Innovation and Research, Sustainable Development” the financed projects involved the participation of central and local public administrations, universities, research centres and consortia, entities managing protected marine areas, maritime and port authorities, airport authorities, public and private tourism operators and SME organizations. Regarding Priority Axis 2 “Environment, Energy, and Risk Prevention”, the financed projects involved the participation of central and local public administrations, universities, research centres and consortia, entities managing protected areas, maritime and port authorities, consortia and local development agencies. The chart shown below illustrates the stratification of beneficiaries who received financial support under the first call for strategic and ordinary projects.

Chart no. 1 - Stratification of beneficiaries – strategic and ordinary project



The chart brings together, as groups of recipients, the beneficiaries who received funding under Axes I and II of the Programme, limited to strategic projects, analysed in respect of three main factors:

- Stratification according to category;
- Level of participation;
- Degree of private involvement.

Regarding **stratification by category** of beneficiary, the chart reveals the utmost participation by the Sicilian regional, provincial and local authorities and Maltese central government. The latter are relevant since there are a large number for the Maltese territory that, without having its own administrative apparatus any regional and provincial structure, has participated in the calls for application with a strong presence of its central government.

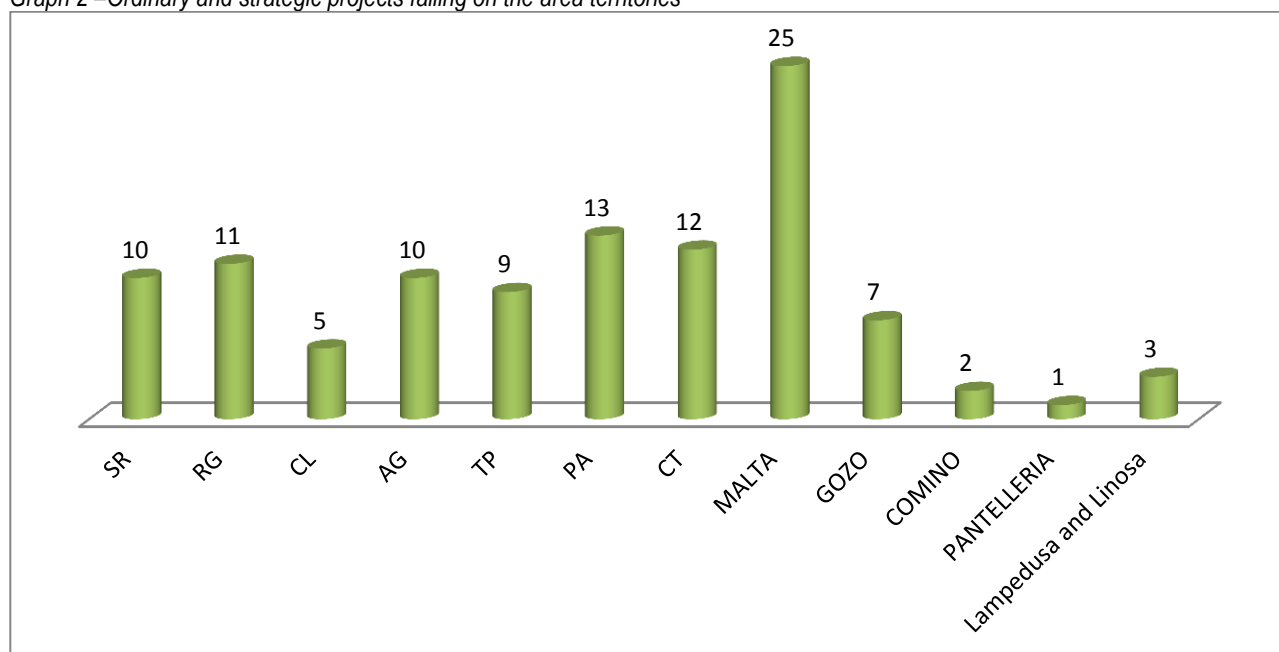
Regarding the **level of participation**, attention is directed towards what emerges from the chart in relation to the lack of participation in projects funded under the first call for strategic projects by Sicilian and Maltese maritime and aviation authorities. In fact, in response to the presence within the OP of the Objective 1.2 “Improving cross-border accessibility and strengthening transport systems with low environmental impact” in which the above-mentioned authorities would have been able to participate fully in the selection procedures, it should be noted that no project was placed usefully in a favourable position for funding under the first call for strategic projects.

Finally, in relation to the **extent of involvement by private individuals**, in line with the Italia-Malta 2007-2013 Operational Program, private individuals participated in the implementation of operations as justified design partners, with adequate motivation and information and the added value of their participation. A total number of 14 private individuals, 10 Italian and 4 Maltese participated in the financed operations. The presence of private-sector partners can be attributed to 6 different ordinary projects over a total of 17 financed operations and 5 strategic projects on a total of 8 financed operations. The important presence of private participants certainly seems due to an interest of the territory towards initiatives intended to affect the development of the territories involved and in respect of the active components of economic development which are universally agreed elements for growth of the local development opportunities.

As regards the areas affected by the actions of the operational programme, it would be appropriate to point out that in the call for strategic projects all funded projects included the acceptance of entities belonging to all OP eligible areas. In particular, the Italian beneficiaries from the NUTS III neighbouring border areas, eligible for funding under Art. 7(1) of Reg. 1083/2006 were the provinces of Agrigento, Caltanissetta, Ragusa, Siracusa and Trapani. The Maltese beneficiary was the only island of Malta. The beneficiaries from the adjacent NUTS III areas eligible for funding pursuant to Art. 21(1) of Reg. 1080/2006, were the provinces of Catania and Palermo.

The graph below shows the number of ordinary and strategic projects falling within the territories of the cooperation area.

Graph 2 – Ordinary and strategic projects falling on the area territories



As regards the **territorial coverage**, the above chart shows the participation of all eligible Sicilian provinces, the ultra-peripheral territory of the Sicilian islands of Lampedusa and Linosa and Pantelleria and the corresponding sister islands of Gozo and Comino for Malta territory.

2.1.5.1 Information on the application of art. 21 of the Reg. (EC) 1080/2006

The eligible area of the Italy-Malta 2007-2013 OP on the Italian side is formed not only by NUTS III border areas of the Sicily Region (the Regional Provinces of Ragusa, Siracusa, Agrigento, Caltanissetta and Trapani), but also by the NUTS III adjacent areas through the Regional Provinces of Catania and Palermo, to the extent permitted by Community legislation which provides for the opportunity of allocating up to 20% of OP ERDF resources.

The **call for the selection of ordinary projects** approved by the OP Executive Committee has, in accordance with Art. 21(1) of Reg. (EC) 1080/2006, provided for the *principle of territorial affiliation* for the beneficiaries of the adjacent NUTS III areas (Catania and Palermo). According to this principle such beneficiaries participate in the implementation of the project with a financial allocation that must remain below the 20% threshold of the ERDF funding required by the operation. However, so as to ensure the involvement of the main institutional entities falling within the NUTS III areas of Catania and Palermo performing their institutional activities for the benefit of the entire region (universities, state institutions and regional bodies), the same call has provided for the principle of *localization of activities*.

The principle provides, for beneficiaries belonging to adjacent areas that wish to avail themselves of it, the ability to incur expenses in the areas bordering the area of cooperation without any limitations on the use of the ERDF. While remaining closely tied to the effective utilization of the ERDF in favour of neighbouring areas, this possibility has requested an analysis and evaluation of the types of costs eligible for operations funding in order to verify their compatibility with respect to the aforementioned principle of *localization of activities*.

On the basis of the findings of the assessment process, the Steering Committee has admitted 12 design proposals to funding, 17 have been adopted and have an impact on NUTS III zones adjacent to Catania and Palermo equal to 7.22%. In the table below, relatively to the cross-section of the regular projects, it is reported

that the financial data of the certified expenditure in the adjacent areas of Catania and Palermo are to be considered as definitive as the operations (16 ordinary projects) were concluded on date 31/12/2014.

Relatively to the **call for bids for the selection of strategic projects** the Steering Committee of the programme has reconfirmed the application of the *territorial belonging* principle for the beneficiaries of the adjacent NUTS III zones (Catania and Palermo) described above. This is also in consideration of the selection criteria for the call for bids - strategic projects - that provided the necessary presence of a leader identified as national public or regional organization authorised for the thematic areas of the project proposal. Therefore, considering that the Region of Sicily is in the NUTS III zone of Palermo with the various Administration branch offices divided into departments, it is understood that all projects with the Italian leader shall insist in the zone adjacent to Palermo.

Based on the findings of the evaluation process, the Executive Committee has accepted to finance 7 proposed projects, out of the approved 8, which have an impact in the NUTS III adjacent areas of Catania and Palermo.

So as to ensure that the financial data related to the planned ERDF in the adjacent Zone IIIs is respected during the implementation of the operations, the MA has provided, with the support of the JTS, a system that allows the possibility to, among other things, associate to each item of documentary evidence of expenditure and payment the reference to the NUTS III area to which the expenditure relates in the supporting documentation for OP beneficiaries for the reporting and monitoring of expenditure. Therefore, in the claim for reimbursement templates Sheet III - Table 2, it is possible to consolidate the details relating to an operation with the expenditure reported by each beneficiary of an operation, divided according to "expense item" in relation to the Work Packages of the project and the adjacent NUTS III Areas of Catania and Palermo. This verification methodology allows the first level control office of the Italian side, which carries out the verification of expenditure pursuant to Art. 16 of Reg. 1080/2006, to detect the exact amount of verified expenditure used for the adjacent OP territories in relation to the ERDF percentage used for NUTS III areas approved by the Steering Committee for each operation.

Such financial information is also recorded in the "request for reimbursement" (Annex II, table 1) that the lead partner submits to the MA to request reimbursement of expenses that have been verified and validated by the MA pursuant to Art. 20(b) of Reg. 1083/2006.

The table below shows the ERDF percentage approved by the Executive Committee in adjacent NUTS III areas in comparison to the percentage which was already verified and validated on 31/12/2014:

Tab 6 -List of approved projects (ordinary and strategic) in the NUTS III areas adjacent the OP

Priority	Specific Obj.	Operation	Beneficiary	Nuts III area Palermo	Nuts III area Catania	ERDF % approved in the adjacent areas	% of certified eligible expenditure supported by the beneficiaries as at the 31/12/2011	% of certified eligible expenditure supported by the beneficiaries as at the 31/12/2012	% of certified eligible expenditure supported by the beneficiaries as of 31/12/2013	TOTAL till 31/12/2014
ORDINARY PROJECTS										
1	1.3	GARDMED A1.1.3-02	LP - University of Catania – Department of Biological Geological and Environmental Sciences		x	17.58%	6.35%	12.27%	18.62%	18,62%
1	1.1	LITHOS A1.1.1-10	PP 2 - University of Palermo - Department oh History and Architecture Design	x		7.55%	0.00%	0.00%	5.44%	9.16%
			PP 3 – Regional Department of Cultural Heritage- Regional Centre for Planning and Restoration and for Natural and Applied Sciences for Cultural Heritage	x			0.00%	0.00%	3.72%	
1	1.1	T-CHEESIMAL A1.1.1-35	PP3 – University of Catania		x	8%	0.00%	0.00%	4.21%	4.21%
2	2.1	MORISO A1.2.1-73	LP – Sicilian Region – Department for Infrastructure Intervention on Agriculture	x		16.23%	0.00%	0.00%	7.19%	13.12%
			PP 2 – University of Catania - Department of Agri-food and Environmental System Management		x		0.08%	0.83%	0.97%	
			PP 3 - Centre for Economic Studies applied to Engineering - CSEI		x		0.00%	2.59%	4.96%	

2	2.1	PANACEA A1.2.1-57	PP 2 – Regional province of Palermo	x		20%	0.00%	0.00%	13.65%	14%
1	1.1	ProMed A1.1.1-42	LP – Regional Institute for Vine and Wine	x		20%	0,43%	17,64%	15,70%	17.51%
			PP 2 – Study Centre for Economy applied to Engineering - CSEI		x		0,00%	1,22%	1,81%	
2	2.1	REMASI A1.2.1-16	PP 2 - Legambiente (Environment Protection) Sicilian No-Profit Committee	x		15,33%	0,00%	0,00%	3,30%	16.48%
			PP 3 - University of Palermo	x			0,00%	0,00%	13,18%	
2	2.1	SIMBIOTIC A1.2.1-17	PP8 – University of Catania - CUTGANA		x	14,62%	0,00%	0,00%	6,89%	6.89%
2	2.3	CALYPSO A1.2.3-31	PP5 - ARPA Sicily	x		5,15%	0,00%	0,00%	0,42%	5.38%
			PP8 – University of Catania - CUTGANA		x		0,00%	0,00%	4,96%	
2	2.3	RESPIRA A1.2.3-72	PP3 – University of Palermo	x		20%	0,00%	0,00%	8,99%	19.69%
			PP4 – National Council OF Research IBIM-Palermo	x			0,00%	0,00%	10,70%	
2	2.3	VAMOS SEGURO A1.2.3-62	LP – National Institute of Geophysics and Volcanology, section of Catania		x	20%	0,00%	2,31%	3,75%	15.85%
			PP2 - National Institute of Astrophysics		x		0,04%	13,85%	12,10%	
2	2.4	WATER FRONT A1.2.4-67	PP 2 – Regional Province of Palermo	x		12,84%	0,00%	0,00%	5,19%	18.36%
			PP 3 – Municipality of Palermo	x			0,00%	0,00%	4,58%	
			PP 4 – University of Palermo	x			0,00%	0,00%	8,59%	

Priority	Specific Obj.	Operation	Beneficiary	Nuts III area Palermo	Nuts III area Catania	ERDF % approved in the adjacent areas	% of certified eligible expenditure supported by the beneficiaries as of 31/12/2011	% of certified eligible expenditure supported by the beneficiaries as at the 31/12/2012	% of certified eligible expenditure supported by the beneficiaries as of 31/12/2013	% of certified eligible expenditure supported by the beneficiaries as of 31/12/2014	TOTAL till 31/12/2014
STRATEGIC PROJECTS											
1	1.2	STREETS	LP – Department of infrastructures for mobility and transport	x		19.66%	0.00%	0.00%	0.00%	0.47%	4.91%
			PP2- University College ARCES	x			0.00%	0.00%	2.65%	3.74%	
			PP 4 - Port Authority of Catania		x		0.00%	0.00%	0.00%	0.70%	
2	2.1	BIODIVALUE	PP4- ISPRA	x		15%	0.00%	0.00%	0.32%	4.65%	10.55%
			PP8 – University of Catania		x		0.00%	0.00%	1.76%	5.90%	
2	2.1	PORT PVEV	PP2-Port Authority of Catania		x		0.00%	0.00%	1.62%	12.70%	12.70%
2	2.2	CRIM SAFRI	LP – Region of Sicily – Urban Department	x		19%	0.00%	0.00%	1.01%	3.38%	7.85%
			PP2- University of Palermo – Department of Energy	x			0.00%	0.00%	0.77%	0.79%	
			PP3 - Institute of Biomedicine and Molecular Immunology “Alberto Monroy” National Research Council	x			0.00%	0.00%	0.23%	0.98%	
			PP4- Region of Sicily - Department of Cultural Heritage and Sicilian Identity	x			0.00%	0.00%	0.00%	1.43%	
			PP7- Med O.R.O		x		0.00%	0.00%	0.00%	1.26%	
2	2.3	IMaGenX	PP3 – University Territorial Board of Trapani (PTUT)	x		9.89%	0.00%	0.00%	0.00%	3.72%	4.67%

Priority	Specific Obj.	Operation	Beneficiary	Nuts III area Palermo	Nuts III area Catania	ERDF % approved in the adjacent areas	% of certified eligible expenditure supported by the beneficiaries as of 31/12/2011	% of certified eligible expenditure supported by the beneficiaries as at the 31/12/2012	% of certified eligible expenditure supported by the beneficiaries as of 31/12/2013	% of certified eligible expenditure supported by the beneficiaries as of 31/12/2014	TOTAL till 31/12/2014
STRATEGIC PROJECTS											
			PP5 – University Hospital of Palermo "Paolo Giaccone"(AOUPP)	x			0.00%	0.00%	0.50%	0.95%	
2	2.3	PIM ENERGETHICA	LP – Region of Sicily – Department of infrastructure projects in agriculture	x		10%	0.00%	0.00%	0.21%	0.00%	0.21%
2	2.3	SIMIT	LP - Region of Sicily Presidency Civil Protection Department	x		13.08%	0.00%	0.00%	0.00%	0.00%	5.40%
			PP2-University of Palermo	x			0.00%	0.00%	0.00%	5.40%	
			PP3- University of Catania		x		0.00%	0.00%	0.00%	0.00%	
2	2.3	VIENERGY	LP - IRVO	x		20%	0.00%	0.00%	3.95%	5.49%	10.35%
			PP2- CO.RI.S.SI.A	x			0.00%	0.00%	0.50%	3.02%	
			PP3- CSEI		x		0.00%	0.00%	0.43%	1.84%	

The table analysis indicates that the beneficiaries of approved projects within the two ordinary and strategic notices of selection absorb a percentage of the ERDF, for the benefit of their respective territories (Palermo and Catania), which is still under the 20% ERDF threshold approved at the operation level. In addition, the ERDF percentage certified, as at the 31/12/2014, in their respective territories of Palermo and Catania, stood under 10 %.

2.1.6 Returned or reused support

During the reference year, the Certifying Authority did not affect any reduction in payments pursuant to Art. 57 and 98.2 of Reg. (EC) 1083/2006.

2.1.7 Qualitative analysis

Axis I and II

On 31/12/2014 the closing procedures for the regular projects completed as of 31/12/2013 were carried out, a constant monitoring and acceleration activity was carried out for the expenditure of strategic projects and the procedures were set up for the financing of additional actions consistent within the framework of regular completed projects.

With reference to the **closing procedures for regular projects** the Managing Authority and Joint Technical Secretariat of the programme have provided to a timely reconnaissance and collection of the outputs made within each ordinary project, in line with the output indicators provided by the approved Application Form. In this respect all projects that concluded the activities within 31/12/2013 were verified during 2014 with regards to the attainment of the targets provided by the achievement, result indicators, at the program and communication level.

As a result of this analysis and the verification of the attainment of all the indicators provided initially by the approved project, the Managing Authority has defined the official reports and liquidation decrees for the issuing of the owed balance. On date, 31/12/2014 the balances owed to projects THE HUB, PROMED, GARDMED, OBIMED, VAMOS SEGURO have been allocated.

With regards to the remaining regular projects concluded on 31/12/2013 (T-Cheesimal, Lithos, Archaeotur, Moriso, Panacea, Simbiotic, Resi, Calypso Respira and Waterfront) during 2014 the verification and drafting of their closing minutes was made only after the correct reception of the monitoring, procedural, and consolidated financial files. The administrative procedures for the possible allocation of the final balance will be defined during 2015 at the end of the audit work on the sampled operations in Sicily and Malta. Sampling taking place in the year 2014 refers to the certified expenses to the European Commission in the year 2013.

During 2014, the last ordinary project funded under the call for bids 01/2009 (REMASI project) ended the activities (31 July 2014). The Managing Authority took the necessary action to instruct the leader on the closure fulfilments for the project in line with what was reported on the granting agreement and partnership agreement: closure of the financial circuits, submission of the application for the final reimbursement, procedural and financial monitoring, project output presentation and stability of the operations pursuant to Article 57 of the Reg. 1083/2006.

With reference to the **acceleration of the spending of strategic projects** it is reported that during the year 2014 the programme authorities noted and tried to tackle the mediocre project management at beneficiary level as well as a substantial difficulty in generating expenditure by the lead partners and project partners of the strategic projects. In addition to the above-mentioned weakness found in the implementation of the 8 strategic projects, it is necessary to highlight the poor feedback generated by beneficiaries of the strategic projects,

during 2014, in issuing statements and/or assurances on the activities implemented by the respective projects and that proved to be unreliable at times upon checks carried out by the MA.

The events described above have represented a significant difficulty during 2014 and have risked jeopardising the achievement of the spending target for 2014.

Due to these difficulties however the, MA and the MNCA have had to greatly intensify the constant monitoring on the physical and financial implementation state of strategic projects during 2014, resorting continuously to corrective actions to guarantee the achievement of the spending target 2014 such as monthly meetings with the partnerships, reporting date changes, acknowledgment of commitments/expenses, investigation activities for the budget reorganisation requests etc.

With specific reference to the PIM ENERGETHICA strategic project refer to the paragraph 2.1.7 and chapter 5 for a timely investigation on the issues concerning the request for replacement of a project partner and the subsequent partial revocation decided by the programme Directive Committee.

For a discussion of the progress in relation to the physical objectives for each strategic project, please refer to sections 3.1.1.2 and 3.2.1.2 .

With reference to the start of the **procedures for the financing of additional and consistent actions** within the ordinary projects, AdG initiated during 2014 the selecting process for "additional and consistent actions" as provided by the document "*Procedure for the redistribution of PO economies on date 30/09/2013 valid for ordinary projects*" by the Monitoring Committee at the meeting held on 18/10/2013 that approved both the selection procedure and the evaluating criteria for the proposals for additional and consistent Actions.

With subsequent written procedure completed on 11/06/2014 (protocol note 10462) the Steering Committee approved the "*Report on the additional and coherent activities proposed by the ordinary projects*" with the relative selection sub-criteria for the operations and the "Application Form presentation kit" to allow the beneficiaries of the ordinary projects to submit their project proposal containing additional and consistent actions.

With reference to the report, the Steering Committee has positively assessed the consistency of only five out of eight instances submitted by the ordinary projects with regard to the possibility of producing additional and consistent actions in line with the determinations of the Monitoring Committee, only upon achievement of the spending target 2014 and a timely examination of the economies accrued from strategic projects, the Managing Authority invited, in the month of June 2014, the leaders of 5 projects that were positively evaluated by the Steering Committee (Calypso, Vamos Seguro, Promed, The Hub and Sibit) to submit the Application Form with the project design development of the above actions.

Only projects Calypso, Vamos Seguro and Promed submitted the requested documentation during the month of July 2014.

In the second semester of year 2014, the MA and MNCA were involved in the monitoring activities of the strategic projects, with the difficulties already described above, in order to be able to calculate the economies correctly at the programme level.

During the MC held on the 22.10.14 it was agreed that the programme authorities would consult all current beneficiaries in order to gauge the interest of these beneficiaries in implementing any other activities should funds be available under the Programme. To this effect, the MNCA provided to organise a seminar on the 28.10.14, whereby all current beneficiaries were invited to prepare and organise their ideas should they be given the go-ahead to implement any activities later on in the current programming period. The MNCA has

taken note of such proposals, which might be taken into consideration for funding in 2015, further to the approval of the Programme's MC in line with the MC's procedures and criteria, should any funds be made available under the Programme.

Having said this, no financing was provided for the above, during 2014, mainly because of unclear indications given by the beneficiaries of the strategic projects that have did allow the precise calculation of the respective savings on the strategic projects.

This decision however will be revisited during the year 2015.

Table 4 below updates, with respect to the year 2013, the datum for the projects "in progress" and "complete" as of 31/12/2014:

Table 7 - Distribution of projects by ordinary notice and strategic notice

Axis/Specific Objective	Indicator	Projects							%	
		Ordinary Presented	Strategic Presented	Ordinary Funded	Strategic Funded	Running	Revoked /Abandoned	Concluded		
		A	B	C	D	E	B/A			
Axis I: Competitiveness, innovation and research; sustainable development	N. Projects	54	2	8	1	1	-	8	16.07 %	
1.1) Support research and innovation to promote sustainable development paths		19	0	4	0	0	-	4	21.05 %	
1.2) Improve cross-border accessibility and strengthen transport systems with low environmental impact		2	2	0	1	1	-	-	25.00 %	
1.3) Jointly develop the potential of tourism contributing to the improvement of the integrated tourist offer		32	0	4	0	0	-	4	12.50 %	
1.4) Contribute to the strengthening of the institutional partnership in cross-border matters of the axis		1	0	0	0	0	-	-	0.00 %	
Axis II: Environment, energy and risk prevention		26	15	9	7	8	-	9	39.02 %	
2.1) Contribute to the protection of the environment through the protection, enhancement and monitoring of natural resources		12	4	4	2	2	-	4	37.50 %	
2.2) Contribute to the development of renewable energy and energy efficiency		3	6	1	1	1	-	1	22.22 %	
2.3) Promote joint actions for the prevention of risks, both natural and anthropogenic		10	5	3	4	4	-	3	46.67 %	
2.4) Contribute to the strengthening of the institutional partnership in cross-border matters of Axis II		1	0	1	0	1	-	1	100.00 %	
Axis III: technical assistance, advocacy, communication and publicity						-	-	-		
3.1) Ensure support actions for the implementation of the program, by improving the efficiency and effectiveness of the management system and P.O. monitoring						-	-	-		
Total			80	17	17	8	8		17	25.77 %

With regard to the consistency of the actions of the OP with respect to the **renewed Lisbon Strategy** it is emphasised that the 17 selected operations in the first call - ordinary projects - and the first call - strategic projects - help to promote the competitiveness of the border directly through actions that foster research and innovation for sustainable development of the territory and its resources.

The maturity level of project proposals approved provides real added value to the project base of the cross-border area with concrete actions to fully achieve the objectives set, in line with the main local assets (tourism, cultural heritage, natural and environmental resources). As will be described in sections 3.1.1.2 and 3.2.1.2 of "qualitative analysis" respectively for Axis I and Axis II, the 17 ordinary projects and the 8 approved strategic projects contribute directly to the creation of scientific and technological networks, the enhancement of research capacity, development and innovation, promoting, among other things, institutional partnerships among government agencies, universities and business organizations.

With regard to the consistency of the actions of the OP with respect to the principle of equal opportunities, it should be noted that on the basis of the selection criteria approved by the Monitoring Committee in 2008, the competence to identify specific criteria awards for enhancing the project proposals with a clear contribution to the following themes was transferred to the Executive Committee:

- Specific actions to remove barriers to participation, ensuring that all project activities are actually accessible and made accessible to all groups at risk of discrimination (age, ethnicity, gender, sexual orientation, disability, religion);
- Programming of information campaigns free from prejudice, which increases the awareness of the issues of the promotion of equal opportunities and social inclusion.

Based on the completed projects and those at implementation stage, there are various operations that promote actions whose impact is in line with the above-mentioned reward requirements. As an example the following regular projects can be recalled:

ARCHAEOTUR: has realised at the site of Ta 'Bistra a centre for visitors using innovative promotion (3D video, educational programs, use of, ICT equipment such as touch screens and kiosks to provide information and multimedia images) giving particular attention to the appearance of use by the most fragile groups (children and the disabled).

OBIMED: has increased, among other things, the attractiveness of the Programme territories and promote employment especially among women, utilising the most innovative communication technologies.

T-CHEESIMAL: has realised, as part of the census of dairy farms, a specific industry study on "the role of women in the chain of production and marketing of the dairy industry."

THE HUB: has realised among others, laboratories linked to businesses, social innovation and eco-sustainable economy and organized initiatives primarily aimed at young people and women that enter the labour market.

As an example, the following strategic project should also be recalled:

Axis III

With reference to the levels of advancement Axis III, in 2012, the Managing Authority and the National Coordination Authority Maltese, supported by the Joint Technical Secretariat and the National Contact Point in Malta, have constantly monitored the implementation of activities as well as procedural and financial progress of the strategic projects plan in line with the Technical Assistance approved by the Monitoring Committee.

For a discussion of the main findings and progress in relation to the physical objectives of each project, please refer to sections 3.1.1.2 and 3.2.1.2.

With reference to the ordinary projects funded through Notice 01/2009, during 2013, the Management Authority supported by the Joint Technical Secretariat made a timely reconnaissance and collection of outputs and products made in the context of each project, in line with the achievement indicators provided by the approved Application Form.

In particular, the lead partners forwarded, to the Managing Authority, the material produced and made within each project work package in original copies and electronic copy from the 01/03/2013 till the project closure (December 2013) in order to allow the Joint Technical Secretariat to proceed, during the first half of 2014, with the verification of the realisation and result indicators in the approved Application Forms.

The methodology used to achieve the above work was the analysis of the content of Annex A - Administrative-technical reports of the intermediate and final Request for reimbursement validated in regard to which the following have been verified:

- the consistency between the activities carried out as described in the respective sections 5 "Activities carried out during the reference period" of the intermediate and final requests for reimbursement, and those in the Application Form as indicated in sections 4 of the same documents;
- the consistency between the values of implementation and communication indicators and the outputs and transmitted by the Lead Partner with notes officially recorded within the protocol of the Planning Department. The outputs achieved were presented through hard and digital supports, photographic documentation, copies of materials made, and informative and promotional literature.
- the progress of targets provided in the Application Form for the following types of indicators: implementation, result, and program. With regard to the communication indicators, not provided for in the AF, the produced outputs derive from the implementation of the Communication plan for each project approved by the Steering Committee based on independent consistency assessments.

The documentation subject of the verification was regularly filed at the Department della Programmazione – Piazza Sturzo 36, Palermo – Servizio V - 1° Piano – stanza n. 2. For each project a dedicated file has been created, dedicated to the collection of outputs from the beginning to the closure of the project for which a specific closing minutes has been drawn up.

With reference to the strategic projects during 2014 the MA and the MNCA, constantly supported by the JTS, have guaranteed the correct implementation of the projects, monitored the state of procedural and financial implementation, and proposed corrective actions for the correct implementation of the actions and the attainment of the 2014 spending targets.

2.2 Compliance with Community law

During the implementation of the OP no problems were encountered relating to compliance with Community law.

With regard to the application of Community legislation on public procurement it should be noted that all public procedures activated under Axis I II and III were carried out in full compliance with Community legislation and, in particular, the specific rules of the EC Treaty and Directives 2004/17/EC and 2004/18/EC of the European Parliament and the Council, the Commission Interpretative Communication on the Community law applicable to public procurement C (2006) 3158 of 24 July 2006, and the relevant legislation implementing national and regional level.

In particular, with regards to the Axis I and II of the OP, the public tender for the selection of strategic projects - the second phase was initiated by a notice published in the Official Gazette of the Region of Sicily on July 1, 2011 and in the mainstream media and Official web sites in Sicily and Malta. Such a public selection procedure took account of compliance with Community legislation in the sector and in particular the provision on the communication and information to potential beneficiaries as provided for in Regulation 1828/2006. With regard to national and regional legislation it should be noted that the Managing Authority has taken account of the various provisions regarding "administrative proceedings" pursuant to Law 241/90 and subsequent amendments and L: r n.10/2012.

With reference to Axis III of OP – with the Beneficiary being Sicilian Region (MA), it should be noted that, all procedures activated were performed in compliance with the Legislative Decree of 12 April 2006, no. 163 "Code of public contracts for works, services and supplies in implementation of Directives 2004/17/EC and 2004/18/EC" published in the Official Gazette of the Italian Republic no. 100 of 2 May 2006.

It is reported that no public procedure was implemented in 2014 by AdG:

With reference to Axis III of the OP – in relation to the MNCA it should be noted that all activated procedures were carried out in compliance with the national reference legislation.

SUBJECT OF THE PROCEDURE	AWARDED AMOUNT	REFERENCE LEGISLATION
Staff and contact point salaries.	€ 50,745.02	National legislation in the field of labour relations
Acquisition of goods and services related to the activities of organization of a Task Force Meeting in February 2014.	€ 1064.29	Legal Notice no. 296/2010
Travel costs from November 2013 to November 2014	€ 3,624.38	Legal Notice no. 296/2010 and national tariffs relating to the daily allowance
Shelving used for Italia-Malta files and claims.	947.16	Part of procurement by FPD/PPCD of shelving for filing storage. Legal Notice no. 296/2010
Notte Bianca event costs	512.86	These costs covered part of the costs related to the participation of FPD in the Notte Bianca that also featured the Italia-Malta 2007-2013 Programme. Legal Notice no. 296/2010
Acquisition of services for the official translation of the documents of the Italia Malta OP 2007-2013	€ 6179.55	Legal Notice no. 296/2010

2.3 Significant problems encountered and measures to resolve them

During the implementation of the OP no significant problems were encountered, as reported by the same Annual Verification Report.

2.4 Changes within the implementation

During the implementation of the OP no significant changes intervened regarding the legislative framework.

Concerning the issue of automatic decommitment recorded on date 31/12/2013 it is reported that on date February 5, 2014 the EC notified the MA, in English, on the start of the resource release procedure requesting any clarification on the possible application of the rule of exception to the automatic release by ex-Art. 93 Reg.1083/2006. The managing authority with note dated 13/03/2014 requested EC to send a note on the start of the decommitment procedure in Italian language in order to safeguard the effectiveness of the procedures in line with the TFEU. The MA on date 09/06/2014, in reply to the Ares note (2014)1126530 of 10/04/2014 by the

European Commission - duly translated in Italian – precised that the note received and addressed solely to the Managing Authority, could not be considered as a start of the automatic release process in accordance with the Regulation (EC) 1083/2006, as the procedure provided by article 97 of this Regulation had not been abided by. Nevertheless, the MA, acting with extreme collaboration, once again reiterated all the circumstances apt to substantiate the cumulative existence of the three requirements clarified by the Court of Justice relating to the appeal to force majeure causes (ex Article 96 (c) of the Law (EC) 1083/2006) that caused direct consequences on the implementation of a part of the programme.

With a Ares note (2014)2975571 dated 11/09/2014 the European Commission, giving feedback to the note by the MA sent on 09/06/2014, specifies that it did not accept the reasons for the force majeure in order to proceed with the application of Article 96 (c) of the Reg. (EC) 1083/2006 concerning the exceptions to the automatic release. In particular, the European Commission clarified that the error in the Italian version for the amended decision did not have any effect on the content of the decision itself, and therefore, the Commission considers that this error has no impact on the implementation of the programme and consequent application of the automatic release rule.

With note of 06/11/2014 the Managing Authority, with the support of the MNCA, has asked the Director General within the EC's DG Regio - Department for Development and Economic Cohesion (DPS) to start, through the competent State Attorney, an appeal against the Ares note (2014)2975571 - 11/09/2014 of the European Commission with which it started itself the procedure of decommitment in accordance with Art. 97 of Reg. (EC) 1083/2006.

2.5 Significant changes

During the implementation of the OP, no substantial changes in accordance with Art. 57 of Reg. (EC) 1083/2006 took place.

2.6 Complementarity with other tools

During 2014, the implementation process of the Italy-Malta OP came into full effect with the 7 approved strategic projects, and this has necessarily required a joint and coordination activity with other financial instruments in use in the cross-border territory. This activity has been ensured by the Managing Authority for the Italian side, and by the Maltese National Coordination Authority for the Maltese side.

With regard to the activities carried out by the MA, it should be noted that the latter performs the same functions within the context of the ERDF Sicily 2007-2013 OP and the CBC ENPI Italy-Tunisia OP. The activity of demarcation of the operations funded by the Italy-Malta OP with the other two programmes co-financed by the ERDF and by the ENPI fund is ensured by the Department of Regional Planning through the action of Service V.

Compared to the coordination and joint action with other programs (ESF Sicily 2007-2013 OP, FEP 2007-2013 OP, PSR Sicily 2007-2013 and PAR FAS 2007-2013, it is reported that the Programming Department participated in the Monitoring Committee meetings of the above mentioned programmes through its own representative and ensures, among other things, a specific action on the preparation, updating and implementation of the Single Programming Document SPD Sicily and of other planning tools. The Single Programming Document (SPD) 2007-2013, prepared in accordance with the community's Cohesion Policy reform, has provided for the joining of the Regional Community planning policy (funded through the Structural Funds) with the regional National planning policy (funded by the national co-financing structural funds and the Fund for Underused Areas - FUA).

The Maltese National Coordination Authority forms part of the Funds and Programmes Division (FPD) within the Ministry for European Affairs and Implementation of the Political Manifesto. The FPD performs the same functions with regards to the CBC MED, INTERREG IVC and ENPI programmes. In addition to this a separate Division called the Planning and Priorities Coordination Division and also falling under the same Ministry acts as Managing Authority for the mainstream ERDF and Cohesion Fund (Operation Programme I) and ESF (Operational Programme II) programmes. The demarcation activity of the operations funded by the Italy-Malta OP with the other programmes co-financed by the Cohesion Fund, by the ERDF and by the ESF is ensured through participation in the Inter-ministerial Coordination Committee on EU Infrastructure and Productive Funding that discusses the projects selected as part of the various Programmes, including the Italy-Malta 2007-2013 OP.

During the implementation phase of the Programme, no overlapping action between programmes and projects was observed during the selection process for strategic projects whose selection procedures were initiated during 2013.

2.7 Monitoring and evaluation

During 2014 the MA implemented all the necessary activities to ensure an adequate monitoring system of approved operations (ordinary and strategic projects).

As of 31/12/2014, the Programme Information System has achieved a significant state of development of the functions provided for the change and adaptation of the information system of the French-Italian Maritime programme to the requirements of the Italy-Malta OP.

In particular the interventions for the System development involved:

1. the adaptation of the managerial system (which includes the adaptation of the work-flow, the user profiling system, the bilingual adaptation);
2. the adaptation of the reporting system.

With reference to point 1 the activities have involved the following interventions: analysis of the adaptations and impacts of the changes on the system, functional planning of the adaptations, development of adjustment functions, patch testing on pre-production environment.

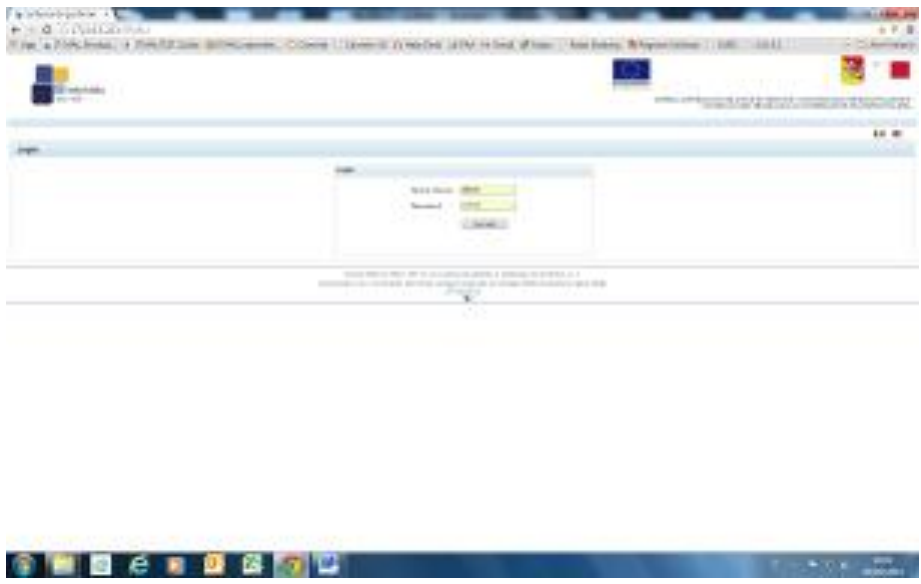
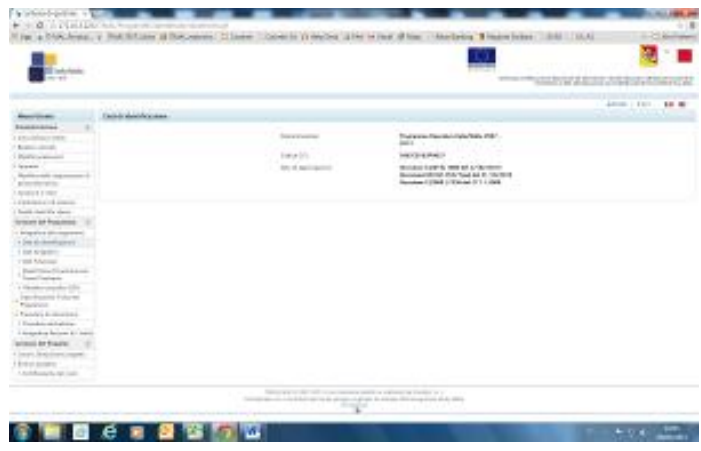
With reference to point 2 the activities have affected instead the analysis of the reports already provided by the Maritime Information System, the adaptation of existing reports to the peculiarities of the Italy-Malta Programme 2007-2013 and the planning and development of new reporting.

Moreover, in 2014, the data migrating activity was carried out for data relative to the financial progress, procedural and physical operations funded by the program. This migration was performed through an automatic procedure that allowed importing the monitoring data of each operation of Axis I, II and III duly verified and consolidated by the AdG into the system. In addition to this, the demographic data of the users of the beneficiary organizations, the demographic information of the projects, information concerning the activating procedures that have allowed the financing of the operations have been migrated.

The production of the monitoring and management system and the reporting system will allow, the beneficiaries of the projects still in progress, to implement the system in the second semester of 2015, and the Programme Management Authority, to forward the progresses to the unitary IGRUE Database through the dedicated domain gateway. Besides, the system represents a useful tool for the management of the

programme; in fact, its operating will have to allow the PO Authorities to place the info on the system and a more functional sharing of the documentation through the document manager.

In addition to the above, activities have been undertaken related to the corrective maintenance and evolution of the system. With regards to the corrective maintenance, activities have been initiated in relation to the management of reports made by the Sicilian Regional Administration on the test environment, whilst, with regards to the evolution and maintenance, activities were started for the analysis of the expected developments provided as improvements on the existing system. The latter type of intervention involves the analysis and development of the adjustments useful to the management of the new cooperation programme 2014-2020.



Consistent with the recommendations of the European Commission, with reference to the compliance opinion on the description of the System of Management and Control of the OP, with n. 6015 of 12 July 2010, the Managing Authority, with the support of the JTS has taken steps to use the monitoring system called SRTP, in line with the provisions of the CIPE. 36 of 15/06/2011.

During 2014, **the monitoring system** was regularly performed using the SRTP system made available by MEF-IGRUE with appropriate license for use by the MA in 2009. The system allows the carrying out of the collection and transmission of certified expenditure within the OP (Axis I, II and III) to the Unitary database of IGRUE - Ministry of Economy and Finance and also allows to:

- Record the implementation data;
- Interrogate the central system and receive the context data
- Manage the application users
- Determine and forward the advance data (delta)
- Check and monitor the forwarding of advance data
- Receive the transmission results (aggregated and detail, also to be exported in excel)"

During 2014, **the management and implementation system** was performed with the same system already used in 2013. In particular, through the realization of an excel file - with a locking and password system - in bilingual mode with automatic release of Pivot tables and the possibility to record the following information:

1. Section 1 Generation operation / extreme commitment
2. Section 2 General references
3. Section 3 Document Expense
4. Section 4 Payment Document
5. Section 5 Monitoring
6. Section 6 Reporting
7. Section 7 First Control Level
8. Section 8 only for partners Maltese First Level Control of FPD
9. Section 9 Check leader
10. Section 10 Application for reimbursement
11. Section 11 Certification
12. Section 12 Control II level
13. Section 13 Data transmission BDU-IGRUE

Through the application of Pivot tables, the system, which is accessed through a password issued by the MA is able to track all the movements of expenditure made in the Programme and follow the same compared to all the stages outlined above.

In relation to the **works of the Monitoring Committee, chaired by Mr. Raphael Scerri** during 2014 the said program governance body

Had a meeting on October 22 in Valletta at the Mediterranean Conference Centre. During the meeting the CdS:

- took note of the decision by the European Commission to reject reasons of exception to the automatic decommitment for causes due to force majeure (Art. 96 (c) of Reg.1083 / 2006);
- shared the decision to approve, with subsequent written procedure, the proposal for the redistribution by STC of a new financial plan that reflects the reduction of €3,527,865.30 (ERDF+CPN) due to the release;
- took note of the progress of the PO as of 30/09/2013 , according to the update exposed by STC on the implementation of the strategic projects;
- approve the amendments to the plan for technical assistance 2007-2013;
- took note of the proposal for an Italia-Malta programme of cooperation for 2014-2020 and approve actions aimed at reducing delays for the submission of the latter;
- took note of the informative note of the AdA relative to the RAC 2014, as a result of the synthesis of content made by the STC on the contents of the informative regarding the annual control report 2013 and the activity linked to the report 2014;
- took note of the activities of adapting the Programme Informative System on the basis of the update exposed by STC;
- discussed additional and coherent activities and
- approved some changes to the Committee internal regulations.

Besides, during 2014, 3 written procedures have been started and completed.

The first was started on 19/06/2014 for the approval of RAE 2013 and ended on 30/06/2014.

The second was started on 10/7/2014 and ended on 29/7/2014 in order to approve the logic intervention framework for the cooperation 2014-2020 Italia-Malta programme as shared by the Task Force appointed by the same CdS. Besides, it has been possible to approve the remodulation of the financial Technical Assistance plan.

The third was started on 4/11/2014 for the approval of a new financial plan for the programme that reflects the overall reduction of €3,527,865.30 (ERDF + CN) of the contribution assigned to it and completed on 10/11/2014.

2.7.1 Executive Committee

The Executive Committee of the OP worked in close cooperation with the Monitoring Committee, which submitted 6 written procedures, during 2014, namely:

- with the procedure started on 31/03/2014 and ended on 14/04/2014 regarding the remodulation of the strategic project PORT PVEV was approved;
- with the procedure started on 28/05/2014 and ended on 11/06/2014 the document was approved "*Report on the additional and coherent activities proposed by the ordinary projects*" prepared by STC on coherent and additional actions submitted by ordinary projects and the documentation for the presentation of the relevant Application Form;
- with the procedure started on 18/06/2014 and ended on 30/06/2014 the remodulation was approved with extension for the project REMASI;

- with the procedure started on 27/06/2014 and ended on 17/07/2014 the assessment grid was approved for the strategic PIM ENERGETHICA project, submitted to new investigation by STC;
- with the procedure started on 8/08/2014 and ended on 3/09/2014 the revocation for the strategic PIM ENERGETHICA project was approved ;
- with the procedure started on 31/12/2014 and ended on 23/01/2015 the joint technical report was approved drawn up by national experts appointed to verify the functionality of the three outputs produced by the partnership of the strategic PIM ENERGETHICA project for the purposes of the achievement of objective 1 of the project.

3. IMPLEMENTATION OF PRIORITY AXIS

3.1 Axis I - Competitiveness: innovation and research; sustainable development

3.1.1 Achievement of the objectives and analysis of the progress

3.1.1.1 Financial and material progress

Table 9.a - allocated and disbursed amounts

Axis I	Total contribution (A)	Financial implementation			
		Allocated amounts (b)	Payments (c)	Allocated amounts (b/a) %	Allocated amounts (b)
COMPETITIVENESS: INNOVATION AND RESEARCH, SUSTAINABLE DEVELOPMENT	10,319,146	10.314.520	8.306.879	99,96%	80,50%

Table 10.a Priority Axis I Objectives

INDICATORS AT PRIORITY AXIS LEVEL	UNIT OF MEASURE	TARGET	SOURCE	2009	2010	2011	2012	2013	2014
R&ST projects that involve public entities, research institutions, Universities and enterprise organisations	Number	5	Annual monitoring and end of programme	0	0	5	3	14	15
Projects that promote actions of awareness even to SME's for the utilisation of eco-compatible models in the tourism sector, management and supply of natural resources	Number	2	Annual monitoring and end of programme	0	0	7	7	12	12
Projects of territorial marketing and joint promotion of tourism and cultural potential of the cross-border area	Number	2	Annual monitoring and end of programme	0	0	5	4	6	6
Projects aimed at the improvement of the coordination and accessibility of transportation systems in the programme area	Number	3	Annual monitoring and end of programme	0	0	2	1	3	4
Projects of promotion in favour of the reconversion of the transport system respecting environmental sustainability and with particular reference to the reduction of greenhouse gas emissions	Number	1	Annual monitoring and end of programme	0	0	0	0	2	3

Projects aimed at the realisation and promotion of a brand of environmental sustainability even for the minor islands of the programme area	Number	1	Annual monitoring and end of programme	0	0	1	1	3	3
Projects that promote the strengthening of the institutional partnership in the cross-border area	Number	2	Annual monitoring and end of programme	0	0	6	4	6	6

Table 9.a above shows the financial progress of Axis I and highlights the total resources committed, resulting from binding deeds in relation to payments made for certified expenses as at the 31/12/2014. The data shows a significant progress on the commitments amounting to 99.96% of the balances issued for the Axis at OP level that correspond to € 10,314,520. Consequently, on the 31/12/2013 expenses for an amount of € 8.306.879, which correspond to 780.50%, were certified.

The indicators show that the implementation can be split in two phases.

The first consisted in the processing of claims for reimbursement n. 02, 03 and 04 duly verified and validated by the Management Authority as at 31/12/2014. In particular, in the context of this activity, consideration was given to the physical progress of each individual project and the progress of expenditure declared. This was possible through the analysis of groups of indicators that have enabled the verification of the quality of the actions completed or in progress compared to planned activities.

The second phase of the survey was dedicated to the thorough examination of the coherence between the implementation indicators and results provided by the Lead Partners of the strategic projects in the applications for reimbursement, and the output of the products developed under each project as at 31/12/2014 and accepted by the Managing Authority following a formal request addressed to all the Leaders of the strategic projects that took place with note prot. 23514 dated 22/12/2014.

Based on the methodology described above, steps were taken to develop tables 5.a, 5.a1, 5.a2 and 5.a3 where the following data has been reported:

- **Table 10.a:** number of operations that registered progress with respect to the implementation indicators of the OP;
- **Table 10.a1:** actual progress achieved by the operations listed in Table 5.a within the framework of the programmed indicators at project level;
- **Table 10.a2:** actual progress achieved by the operations funded under Axis II within the framework of the indicators at project level;

Table 10.a3: actual progress achieved by the operations listed in Table 5.a within the framework of the communication indicators. Hereunder are the main progresses implemented in 2014 with the STREETS project, sole planning project still in progress within Axis I of PO.

STREETS – The project is aimed at the improvement of the transport chain and the strengthening in the integration of the different transport systems in the 2 islands to support the TEN-T corridor 5. During 2014 the planning activity produced the following main outputs: 1) realization of the web-GIS platform aimed at an political-administrative harmonization of the transport system integrated between the two islands. The platform collects data in relation to the transport system thereby simplifying the dialogue between the administrations of both countries. This will help in the monitoring and increasing of safety in transport as well as further dialogue with citizens and stakeholders, 2) Installation of technological tools (multimedia totems informative signs) aimed at giving tourist-road information on the territories of Vittoria and Malta; 2) implementation of the telematics system for the remote control of the goods traffic between Sicily and Malta in support of the Ro-Ro (ferries for freight-only) link services, to allow the traceability of trailers and semi-trailers in transit; 3) implementation of tracking & tracing service for the vehicle fleet dedicated to the transport of goods between south-west Sicily (direction Vittoria - Catania) and Malta; 4) mapping of the transport system of both islands in a data-sharing perspective; 4) definition of an action plan with a hierarchy of interventions, both of infrastructural nature and tangible nature.

The table below illustrates where effective progress has been achieved by the operations listed in Table 5.b within the context of the programmed indicators at project level.

Tab. 10.a1 - Result objectives for each operation in Axis I

Implementation indicators Axis I	Unit of Measure	Operations Axis I									
		Acknowledgement of request for reimbursement as of 31/12/2014									
		The Hub	Lithos	ProMed	T-Cheesimal	Archaeotur	Gardmed	Obimed	Sibit	Streets	Total 2014
Projects in R&I that involve public entities, research institutes, universities and other enterprises.	No. Of Entities Involved	31	9	14	55					23	132
Project aimed at increasing awareness in the business sector (SME's in particular) towards the use of eco-efficient models in the sectors of tourism and protection and management of natural resources.	No. Of Organisations affected (including SMEs)	15	31	23		299	1050	29208	70	-	30696
Project aimed at marketing the cross border natural and cultural heritage.	No. Of Counties/ Tour operators contacted	15				50	5	10	6	-	86
Projects that improve the coordination and accessibility of transport in the cross border area.	N. of Actions							1	1	25	27
Projects aimed at promoting the environmental sustainability of transport systems particularly towards reducing green house gasses.	N. of publicity interventions									11	11
Projects for the realisation and promotion of environmental sustainability across the cross border area.	N. of entities exposed to the promotion in this regards							100		-	100
Projects that improve the institutional partnership in the cross border area.	N. of entities involved	6	4		30	16	17	30		-	103

In line with table 8 "Synopsis of correlation between projects and priority areas of the Program", which highlights the interdisciplinary approach of a considerable part of the projects, the following is a list of the operations that, although selected within Axis II, also affect more priority themes pertinent to Axis I of the OP.

Tab. 10.a2 - Result objectives for each operation in Axis II

Implementation indicators Axis II	Unit of Measure	Operations Axis II											
		Acknowledgement of request for reimbursement as of 31/12/2014											
		MORISO	REMASI	RESI	RESPIRA	SIMBIOTIC	CALYPSO	WATER FRONT	BIODIVALUE	IMAGENX	PORT PVEV	VIENERGY	Total 2014
Projects in R&I that involve public entities, research institutes, universities and other enterprises.	No. Of Entities Involved	6	4	95	5	4	4	17	110	1		11	257
Project aimed at increasing awareness in the business sector (SME's in particular) towards the use of eco-efficient models in the sectors of tourism and protection and management of natural resources.	No. Of Organisations affected (including SMEs)	23	80	-	-	90	-	254	-	-	494.546	42	495.035
Project aimed at marketing the cross border natural and cultural heritage.	No. Of Counties/ Tour operators contacted	-	-	3	-	-	-	0	-	-	-	-	3
Projects that improve the coordination and accessibility of transport in the cross border area.	N. of Actions	-	-	-	-	-	-	6	-	-	-	-	6
Projects aimed at promoting the environmental sustainability of transport systems particularly towards reducing green house gasses.	N. of publicity interventions	-	-	-	-	-	-	6	-	-	5	2	13
Projects for the realisation and promotion of environmental sustainability across the cross border area.	N. of entities exposed to the promotion in this regards	-	10	-	-	21	-	-	-	-	-	-	31
Projects that improve the institutional partnership in the cross border area.	N. of entities involved	-	-	-	-	-	-	-	-	-	-	-	-

Table 10.a3 provides the communication indicators concerning the activities undertaken by individual projects selected under Axis II aimed at the achievement of the Programme's objectives in the field of communication.

Tab. 10.a3 - Communication indicators at the level of each Axis II operation

Communication Indicators	Unit of Measure	Operations Axis I									
		The Hub	Lithos	ProMed	T-cheesimal	Archaeotur	Gardmed	Obimed	Sibit	Streets	Total 2014
Events in the public interest (seminars, meetings and workshops, information conferences);	Number	44	6	28	11	14	40	8	20	9	180
Participants at events, registered on an attendance sheet;	Number	1634	320	628	407	421	84	1209	695	180	5578
Contacts and mailing list of groups of identified beneficiaries;	Number	623	15	2	200	320	150	2346	0	700	4356
Coverage on local and national media of the activities carried out;	Number	249	57	46	-	35	46	31	88	38	471
Newsletter of the project;	Number	46	1000	0	3	0	0	0	0	-	1049
Printed material (brochures, posters, invitation cards, etc..) and multimedia material (CD-ROMs, DVD); Gadgets and promotional material;	Specimen Number	14	4	12	3	15	11	9	4	40	112
	Press run		2532		4437	53820	5000	5000	10000	-	75789
Exchange of experience with other projects; Networks and partnerships with other institutions;	Specimen Number		6	4	8	1	5		1	23	48
	Press run	0	1010		5751	2800	3600		35000	-	48161
Publications related to the project and the results achieved;	Number	0	-	1	9	6	5	0	1	-	22
Implementation project website (additional)	Number	7	-	-	8	11	1	2	-	-	29

Articles in magazines and newspapers	Number	1	4	14	4	4	5	3	-	-	35
Events in the public interest (seminars, meetings and workshops, information conferences);	Number	1	1	1	1	1	1	1	1	1	9
Participants at events, registered on an attendance sheet;	Number	-	-	14	-	-	-	-	-	-	0

The collection of data shows that within Axis I, 180 events were carried out, with a total of 5,578 participating people. During the organization of the various events, seminars and shows 3,656 contacts were gathered and inserted in a mailing list. The produced material is of relevance for the purposes of dissemination of information on the activities of the projects concerned. There are in fact 75,789 pieces of paper and multimedia material such as brochures, flyers, business cards, CD-ROMs, DVDs. The information channels also include the local and national media for a total of 471 broadcasters and newspapers. Various items were also produced for promotional purposes (48 specimens) and distributed during the public interest events. In addition, in order to promote and enhance collaboration and cooperation, 22 experience exchanges were activated with other projects and 29 networks and partnerships with other institutions.

3.1.2 Significant problems encountered and measures to resolve them

During 2013 there were no difficulties in the implementation of Priority I of the OP.

3.1.3 Result indicators of Axis I

Table 11 below represents the result indicators provided by the Operational Program for Axis I.

Tab. 11.a - Result indicators at Program level - Axis I

Result Indicators Axis I	Units of Measurement	Objective	Base Line	Progress as of 31/12/2013	Progress as of 31/12/2014
Development of cross-border projects based on R&ST by public entities, research institutes, universities and business organizations	No. participating organizations	15	4	15	15
Public entities and private individuals involved in projects for the use of eco-efficient models in the fields of tourism and the procurement of natural resources	Number	10	1	32	32
Countries/tour operators reached by the joint promotion action	Number	5	1	14	14
Area trade marks	Number	1	-	1	1

Public entities involved in the exchange of experience	ΔN	15	10	26	26
Networks created in the tourism sector	Number	3	1	4	4

The table confirms the data found in the year 2013 and takes account of the ordinary completed projects. In the year 2014 the strategic STREETS project was still in the implementation process, therefore the results achieved at the level of the Axis for the Programme end are considered.

For further details on the projects that contribute to the valorisation of the column "Progress as of 31/12/2014" please refer to the paragraph 3.1.3 of the RAE 2013.

3.1.4 Additional information about the programme results and effects

The results of the projects financed by the Operational Programme Italia-Malta 2007-2013 produced significant cross-border effects in terms of increase of the cooperation area competitiveness through research and innovation.

As highlighted by the close examination related to the full achievement of the result indicators (tables 10.a1 and 10.a2), the programme reached such a level of maturity that the true changes and benefits, caused by the programme to the involved population and authorities, are recognizable under each specific objectives of the priority axes.

For the year 2014 the data reported in the AIR 2013 is confirmed.

Within the closure activities, the OP will give evidence of the impacts at programme level.

3.2 Axis II - Environment, Energy and risk prevention

3.2.1 Achievement of objectives and progress analysis

3.2.1.1 Financial and material progress

Tab 9.b – allocated and paid amounts

AXIS II	TOTAL CONTRIBUTION (A)	FINANCIAL IMPLEMENTATION			
		COMMITMENTS (B)	PAYMENTS (C)	COMMITMENTS (B/A) %	PAYMENTS (C/A) %
Environment, energy and risk prevention	23,021,014	22,236,996	13.165.250	96,59%	57,19%

Tab. 10.b - Targets priority Axis II

INDICATORS AT PRIORITY AXIS LEVEL	UNIT OF MEASURE	OBJECTIVE	SOURCE	2009	2010	2011	2012	2013	2014
Projects of management and prevention from natural and anthropic risks (including technological risks)	Number	2	Annual monitoring and end of programme	0	0	4	2	7	7
Projects aimed at promoting the safeguarding of the environment of the area (including the management of parks and protected areas)	Number	3	Annual monitoring and end of programme	0	0	6	3	10	10
Projects relating to the improvement of the energy efficiency and the utilisation of sources of renewable energy	Number	5	Annual monitoring and end of programme	0	0	1	1	1	1
Projects that promote the strengthening of the institutional partnership in the cross-border area	Number	2	Annual monitoring and end of programme	0	0	7	5	8	10

Table 9.b above shows the financial progress of Axis II and highlights the total committed resources, resulting from binding acts in relation to the payments carried out for the certified expenses as at the 31/12/2013. The data shows a significant progress on the commitments equal to 96.59% of the allocated amounts for the Axis at the OP level that correspond to € 22,236,996. On the 31/12/2014 expenditures amounting to € 13.165.250 were certified, corresponding to 57.19%.

The indicators show that the implementation can be split in two phases.

The first consisted in the processing of claims for reimbursement n. 02, 03 and 04 duly verified and validated by the Management Authority as at 31/12/2014. In particular, in the context of this activity, consideration was given to the physical progress of each individual project and the progress of expenditure declared. This was

possible through the analysis of groups of indicators that have enabled the verification of the quality of the actions completed or in progress compared to planned activities.

The second phase of the survey was dedicated to the thorough examination of the coherence between the implementation indicators and results provided by the Project LP in the request for reimbursement, and the output of the products developed under each strategic project as at 31/12/2014 and accepted by the Managing Authority following a formal request addressed to all the LP of the strategic projects that took place with note prot. 23514 of date 22/12/2014.

Based on the methodology described above, steps were taken to develop tables 10.b, 10.b1, 10.b2 and 10b3 where the following data has been reported:

- **Table 10.b:** number of operations that registered progress with respect to the implementation indicators of the OP;
- **Table 10.b1:** actual progress achieved by the operations listed in Table 5.b within the framework of the programmed indicators at project level;;
- **Table 10.b2:** actual progress achieved by the operations listed in Table 5.b within the framework of the communication indicators.

Below please find the main achievements in 2014 for the project operations still underway within Axis II of the PO.

BIODIVALUE – The project aims at creating the operating tools to support local administrators and operators of the maritime traffic, useful to limit the harmful effects generated by operational pollution from shipping, industrial, commercial, fishing, and recreational traffic in the straits of Sicily. These tools offer a system for biophysical measuring aimed at the detection of the risk of loss of biodiversity in the straits of Sicily and an economic assessment of the impact caused to the coastal communities. The aim of the project is to have a more balanced and awareness management of the maritime traffic, in compliance with the international conventions, the Community directives and the respective Italian and Maltese national laws to reconcile the interests of a smooth operation of maritime transport with the protection of the environment. During 2014 the project activity produced the following main results:

1)The development of a system for the monitoring of the maritime traffic in the channel of Malta and the maritime read between Malta and Lampedusa. This database reports information on traffic modalities with specific reference to the type of vessel. The extraction of this data is done in real time by using three AIS antennas situated in Augusta (Sicily), Lampedusa and in the Maltese Grand Harbour.

2) construction of the Towfish, underwater probe towed by a boat and equipped with detector sensors for nitrates, hydrocarbons, salinity, ph, temperature, dissolved oxygen, conductivity and transparency/turbidity, able to provide specific indicators on the level of contaminants in the water; 3) analysis of the impacts on water, sediments and biodiversity through sampling of marine sediments and water and visual census of marine flora and fauna, with particular attention to the allochthonous species. These samples, carried out in Italian and Maltese waters and subsequently analyzed, are inserted into a database loaded on a Biodiware" computing platform; 3) realization of the "Biodiware" computing platform, a Web-Based Software able to catalogue and implement the data collected during the various phases of the project divided into three macro-sections: static samplings, dynamic samplings and analysis of marine traffic with data provided by ALS systems.

PORT PVEV - The project contributes to the improvement of energy efficiency at the ports and the reduction of CO2 emissions in the relevant areas. The project includes the installation of photovoltaic infrastructure at the ports of Valletta, Catania, and Gela, as well as a series of actions to implement, test, evaluate, and

disseminate electro-mobility inside and in the vicinity of ports and their operating areas. During 2014 a joint action plan was approved, aimed at the reduction of CO₂ in port areas involved in the project. Within this context local plans will be drawn up on port sustainability to suggest the future policies to implement renewable energy in the ports involved, and to de-carbonize additional areas even after the conclusion of the project. As part of these plans, the project also provides for a study to determine the feasibility and sustainability of supply facilities to provide from the ground, to the ships moored in the harbours, green energy instead of heavy fuel oils. The project finally purchased 19 electric vehicles, which, through the installation of photovoltaic infrastructures, will supply the first zero emission transport services in port areas. In addition, the car parks connected to the ports involved recharging stations for electric vehicles, will be installed.

CRIM SAFRI – The project is geared towards creating to Research centers dedicated towards environmental sustainability and renewable sources of energy for the Mediterranean area. This project will support local authorities, consortiums, and SMEs in the implementation of a strategy towards sustainable growth and consumption. The activities of the project shall be as follows: encouraging stronger cooperation between enterprises and the transfer of knowledge in the areas of renewable energies; to provide technical and scientific support for new technologies in goods and services with a low carbon footprint; to provide local businesses with the necessary instruments towards achieving environmental sustainability; to create a Mediterranean partnership between the Ministries responsible for the Environment in Italy and Malta and to create a joint research center.

During 2014 the Centre started a series of activities directed to the SMES and PA of the territories of the province of Agrigento and in Malta, where two operational offices were set up. In particular, the activities directed to the companies involve: the development of eco-innovative products through the use of renewable energy sources; the planning and support of technical-scientific knowledge for the technological innovation of products and services with low environmental impact; eco-design, support to obtain the product environmental certifications and the implementation of environmental management systems and energy. Instead, the activities to support the PA were focused on: the identification of Green Public Procurement (GPP) strategies; the definition of the minimum requirements for energy-environmental planning to insert in the urban instruments; the energy requalification of public buildings in the historical centres and building heritage in the Valley of the Temples to attain the standard of Nearly Net Zero Energy Building (NZEB) pursuant to the Directive 2010/31/UE EPBD. Two databases have also been developed, one on the energy impacts and environmental life cycle of systems powered by RES allows the SME and PA to estimate the eco-profiles of products and services with reference to the local energy context, and the other one on the CO₂ emissions in the province of Agrigento in 1990, allows quantifying the emissions for both a reference year and for subsequent years in such a way as to monitor changes of the emissions over time.

IMAGENX - Is a cross-border network of users, health providers, administrators, and researchers from Sicily and Malta tasked to promote Breast Cancer surveillance. By integrating interdisciplinary expertise in epidemiology and molecular genetics and through client empowerment it aims to strengthen the structured care and surveillance of women at risk from breast cancer. Risk assessment, stratification, and allocation of appropriate surveillance programmes will be strictly evidence-based. Sophisticated risk evaluation undertaken by user-friendly computer-based e-assessments and algorithms, and community specialist counseling will complement existing Breast Screening. ImaGenX will create an infrastructure to scrutinize putative environmental and genetic factors involved in malignancies in the central Mediterranean. Health initiatives such as preventive educational campaigns, medical or biochemical interventions, and bespoke IT screening will be precisely targeted. Communities will take greater responsibility for their health. ImaGenX seeks to

innovate by introducing state-of-the-art technologies and rationalize traditional resources from regional bodies. It will consolidate existing scientific potential from two prime Mediterranean regions into Research Institutes of Excellence. Acting synergistically as strategic platforms they will transform their life sciences and information technology resources into world class industries engaged in cancer risk-reduction. During 2014 the project activities included: the development of a sophisticated informative system that allows assessing the level of risk for the female population of the area of cooperation of developing breast cancer, taking into account environmental and family factors. The system has been installed on a virtual platform present in local servers in Malta and allows uploading the data of participating patients from Malta, Palermo and Syracuse on three different databases; 2) the realisation of the "*Breast Screening Surveillance program (BCSP)*" through which the level of risk for 200 Case studies has been identified; 3) the identification of 16 Standard Operating Procedures (SOPs) that can be consulted on the project's website in English and Italian.

PIM ENERGETHICA – The project aims to increase cooperation in the cross border area for the common adoption, distribution, and capitalisation of innovative systems of waste management in order to enable the transformation of waste into energy or economic income for all the subjects of the cross border territory. This will be done through the adoption of a common programme aimed at creating specific structural and infrastructural interventions necessary for achieving the aims of the project and also the study of technical and operative solutions through the creation of a waste to energy pilot plant. The analysis of biomasses (grass and wood) on the Maltese territory that will allow the definition of the technical characteristics and supply conditions of the pilot plant to be produced in Malta. During 2014 the following outputs have been achieved: The project activity has produced the following main output: 1) report of context analysis and transnational mapping of the basins of biomass production. In this document a detailed analysis has been given of the biomass from different available sources potentially usable/re-usable for energy purposes in the territory of Malta and Sicily; 2) detailed design of the plant biomass in which all the technological solutions currently considered the most reliable on the market were analysed and the most reasonably feasible technological solution was identified, depending on the types of biomass available; 3) regulating the traceability of the bioenergy chain of the residual biomass for agriculture and forestry which is designed to ensure the unique origin and traceability of the biomass and the sustainability of the processes along the supply chain.

SIMIT – the project consists of the creation of an integrated system of civil protection between Sicilian and Maltese stakeholders aimed at the prevention, detection, and mitigation of risks. The project proposes to create an emergency plan between the two states. This plan would mitigate natural, seismic, volcanic, and hydrologic risks and would target especially the particular vulnerabilities of the cross-border area. An increase in institutional cooperation is also an important factor in this project which will enable the transfer of knowledge from the various stakeholders in the area. Amongst other activities the project aims at testing a management strategy and an upgrade of the current technical and administrative support structure. During 2014 the study activity was launched which has allowed for the analysis of the territory of the cooperation area in relation to different types of risk, by improving knowledge of the strengths and weaknesses of the territory. In particular, analyses were carried out of territorial, geomorphological, stratigraphic-structural type and of the vulnerability that has resulted in the calculation of the vulnerability, the characterisation of that stated and the calculation of the dangers. Vulnerability analysis sheets were also drawn up on a building and structural aggregate scale, with particular reference to the Maltese Islands and the island of Lampedusa. The project has also implemented an institutional process between the public bodies who are involved in actions of civil protection, through the signing of memoranda of understanding to start a process of spreading the culture of civil protection and increasing the effort to secure a timely and coordinated action in the event of natural disasters and the definition of procedures setting out the respective fields of activity. Specifically, memorandums of

understanding were signed between the Regional Department of Civil Protection (DRPC - initials in Italian), the project leader, and the Municipality of Lampedusa and Linosa and between the DRPC and the town of Agrigento. The information collected is systematised and accessible through the GIS ThematicRisk MAP which has been developed in order to define the georeferenced interrogation in order to optimise useful information for the management of issues of civil protection. This decision support tool enables the assessment of risks (targets, risk analysis), the identification of resources (people, materials, transport), the definition of the procedures for the definition of the states of alert and the chain of command and control in the event of emergency management. An exchange of experiences was also carried out in order to spread the practice of the Civil protection volunteers, among the various Sicilian and Maltese participants.

VIENERGY - The project aims at reducing the reliance on traditional energy sources and to develop technology linked to the production of energy from renewable sources. This is achieved through an evaluation of the energy potential of biomasses from the vinification at Sicilian and Maltese sites, the verification of an additive of agricultural origin for the production of e-diesel, the characterization of the mixture of ethanol diesel (fossil ethanol-diesel low-blend mixture), the reuse of vinification wastewater, the uptake of CO₂ for the fermentation of the wine industry to use in the food industry and/or in the energy sector and the utilization of solar energy for the supply of cooling systems used in cellars. During 2013 the project activity produced the following results:

- 1) quantification of the biomass as a byproduct of the vineyard useable as energy across a mapping of Maltese and Sicilian vineyards with the use of drones. From the analysis conducted on the satellite images from LandSat 8, which allowed a fast analysis of the territory which was investigated, it was estimated approximately 77,730 hectares of cultivated vineyards. With regard to the grape skin a statistical study was conducted on wine makers. The Vienergy project has also allowed the characterisation of the residual biomass, which were then subjected to a compression process, after chipping and grinding, thus obtaining the so called AGRIPellet, which is usable for the production of heat for biomass boilers;
- 2) construction of a pilot phytoremediation plant for the treatment of wastewater wine from Azienda Agricola Marabino, situated in the municipal of NOTO (SR) and selected to be part of the experimentation. Such a plant has determined a qualitative improvement of approximately 1/3 of the wastewater produced from Marabino Cellars, which are then used for irrigation purposes of a green area of approximately 1,000m² adjacent with the plant which therefore determines an increase of 1% in the area of irrigation of the company.
- 3) quantification of the polyphenol content in the branches during winter pruning, leaves and grapes during the different stages of maturity, but also in musts and wastewater in the cellar. This is to assess the potential of some indigenous and international varieties grown in Sicily and Malta for possible use in the pharmaceutical, nutraceutical and cosmetic industries. For the implementation of activities has been defined a common protocol for sampling and preparation of samples for analysis;
- 4) use of bio-ethanol in the fuel mixture, obtained from by-products of wine and used in a mixture with gasoline. Particularly when ethanol was mixed with gasoline reduction in harmful emissions was noted in diesel engines with even more positive impact is applied to the means of transport in urban areas. In collaboration with the Joint Research Center from the European commission the mixture of ethanol and diesel was tested in buses both in Sicily and Malta.
- 5) identification of ways of capturing and storing carbon dioxide and to evaluate possible forms of economic exploitation. The recovery of carbon dioxide from the fermentation was carried out through a system developed at the Cantine Colomba Bianca, which was selected to participate in the trial. The carbon dioxide captured was subjected to analysis, which confirmed the expectations about the possibility of reusing it directly due to its high degree of purity and it was also reusable for other purposes;
- 6) two solar cooling systems were installed in Malta, at the Center for Research in Viticulture and Oenology in Buskett, with the aim to study and compare their technical and

economic feasibility for the production of chilled water which is used during the fermentation process; 7) the creation of a permanent information center for the dissemination of project results and the awareness of communities and local producers on issues of energy saving and energy production from renewable sources

Tab. 10.b1 Result objectives for each operation Axis II

Implementation indicators Asse II	Unit of Measure	Operations Axis II																
		Detections of request for reimbursement as at 31/12/2014																
		Moriso	Panacea	Remasi	Simbiotic	Resi	Respira	Calypso	Vamos Seguro	Water Front	Biodivalve	PORT PVEV	Crim Safri	ImagenX	Pim Energethica	Simit	ViEnergy	TOTAL 2014
Projects of management and prevention from natural and anthropic risks (including technological risks)	Mq of the area involved in the activities						1,000,000,000	10.000.000.000	37,500,000,000	384,000,000	75.000						-	48,8 mln
Projects aimed at promoting the safeguarding of the environment of the area (including the management of parks and protected areas)	Mq of the area involved in the activities	200,000,000			63,700		1,000,000,000	10.000.000.000	-	104,000,000	75.000						77.730	11,3 mln
Projects aimed at promoting the safeguarding of the environment of the area (including the management of parks and protected areas)	Mq of the area involved in the activities		258,090,000		63,700		1,000,000,000			41,000,000	75.000						-	1,2 mln
Projects relating to the improvement of the energy efficiency and the utilisation of sources of renewable energy	Kw of Energy produced by renewable sources								-								3000	3000
Projects that promote the strengthening of the institutional partnership in the cross-border area	N. of entities involved	6	15	8	13	4		6	-	17	105	2					-	181

Table 10.b2 provides the communication indicators concerning the activities undertaken by individual projects selected under Axis II aimed at the achievement of the Programme's objectives in the field of communication.

Tab. 10.b2- Communication Indicators for each Axis II operation

Communication Indicator	Units of Measurement	Operations axis II																
		Detections of request for reimbursement as at 31/12/2014																
		Moriso	Panacea	Remasi	Simbiotic	Resi	Respira	Calypso	Vamos Seguro	Water Front	Vienergy	Port Pvev	Pim Energethica	Biodivalue	Crim-Safri	Simit	Imagenx	Totale 2014
Events in the public interest (seminars, meetings and workshops, information conferences);	Number	5	10	-	5	11	10	6	6	7	11	2	-	7	-	1	1	82
Participants at events, registered on an attendance sheet;	Number	372	400	-	-	11	341	278	-	254	263	335	-	100	-		25	2379
Contacts and mailing list of groups of identified beneficiaries;	Number	-	181	-	-	1699	0	1552	-	110	7	2	-	70	-		1	3622
Coverage on local and national media of the activities carried out;	Number	60	10	-	18	17	6	150	10	18	50	16	-		-	82	14	451
Newsletter of the project;	Number	-	-	-	-	10	-	0	-	1		-	-		-	3	1	15
Printed material (brochures, posters, invitation cards, etc..) and multimedia material (CD-ROMs, DVD);	Specimen Number	7	6	-	12	4	3	8	14	16	4	1	-		-		2	77
	Press run	3090	235000			4000		37000				1000		1300				281.390
Gadgets and promotional material;	Specimen Number	4	14	-	-	2	3	3		2		2	-		-		3	33
	Press run	1101	50000	-	-	700	2500											5.4301
Exchange of experience with other projects;	Number of media	-	2	-	-		0	7	-	2	1	2	-	7	-	1	2	24
Networks and partnerships with other institutions;	Number of copies	12	4	-	-		0	3	-	6	10	1	-	7	-	3	1	47
Publications related to the project and the results achieved;	Number	2	3	-	-	1	3	3	16	4		1	-		-		2	35

Implementation project website (additional)	Number		144000			2000												146.000
Articles in magazines and newspapers	Number of media	1	1	1	1	1	1	1	1	1	1	1	-	1	1		1	14
Events in the public interest (seminars, meetings and workshops, information conferences);	Number of copies	-	1	-	-	-	-	-	-	-	-	-	-	-	-			1
Participants at events, registered on an attendance sheet;	Number	5	10	-	5	11	10	6	6	7	11	2	-	7	-	1	1	82
Contacts and mailing list of groups of identified beneficiaries;	Number	372	400	-	-	11	341	278	-	254	263	335	-	100	-		25	2379

The data collection suggests that, within Axis II, 82 events were carried out, in total, with 2,379 participating people. During the organization of the various events and seminars 3,622 contacts were gathered, which were inserted within a mailing list. The produced material is of relevance for the purposes of dissemination of information on the activities of the projects concerned. There are in fact 281,390 pieces of paper and multimedia material such as brochures, flyers, business cards, CD-ROMs, DVDs per 77 typology. The information channels also include the local and national media for a total of 451 broadcasters and newspapers. Various items were also produced for promotional purposes (54,308) and distributed during the public interest events for a total of 33 different items. In addition, in order to promote and enhance collaboration and cooperation, 24 exchange of experiences were activated with other projects and networks and partnerships, with other 47 institutions.

3.2.2 Significant problems encountered and measures to resolve them

During 2014 there were no difficulties in the implementation of Priority II of the OP.

3.2.3 Result indicators of Axis II

Table 11 below represents the result indicators provided by the Operational Program for Axis II.

Tab. 11.b - Result Indicators at Program level - Axis II

Result Indicators Axis II	Units of Measurement	Objective	Base Line	Total 2013	Total 2014
Surface area of the cross-border area affected by projects for the preservation and environmental monitoring	% of the cross-border region	+ of 15%	-	6.45%	6,45%
	% of the protected cross-border regions	+ of 10%	-	15.30%	15,30%
EMAS Certification achieved by public local Entities	ΔN.	8	0	0	0
Common actions for the institutional coordination against environmental and technological risks	Number	2	0	2	2
Increase in installed power from renewable sources	ΔKw	500	n.d.	5%	5%
Public entities involved in the exchange of experience	ΔN.	15	-	18	18

In the table above 16 ordinary project are taken into account as concluded for the year 2013. For the year 2014 strategic projects are considered as being in the implementation stage. One has to consider that 4 projects being - IMAGENX, SIMIT, PIM ENERGETHICA and CRIM Safri have initiated activities in March 2013 and 5 other projects being- BIODIVALUE, PORT PVEV, SIMIT, STREETS and VIENERGY have requested

the extension of the closing date of the project activities. Therefore the results achieved by the Programme will be made at the end of OP.

For more details about projects contributing to the values in column named "Progress as at 31/12/2014", see paragraph 3.1.3 of the 2013 AIR.

3.2.4 Additional information about the programme results and effects

The results of the projects financed by the Operational Programme Italia-Malta 2007-2013 produced significant cross-border effects in terms of better environmental protection and safety of population from natural and anthropic risks.

As highlighted by the close examination related to the full achievement of the result indicators (table 10.b1), the programme reached such a level of maturity that the true changes and benefits, caused by the programme to the involved population and authorities, are recognizable under each specific objectives of the priority axes.

As reported in AIR 2013, results from 2014 confirm that better impact is obtained through the detection of appropriate indicators of measurement.

3.3 Axis III - Technical Assistance, public awareness, advertising and communication

3.3.1.1 Financial and material progress

Table 9.c - allocated and disbursed amounts

Axis III	TOTAL CONTRIBUTION (A)	FINANCIAL IMPLEMENTATION			
		ALLOCATED AMOUNTS (B)	PAYMENTS (c)	ALLOCATED AMOUNTS (B/A) %	PAYMENTS (C/A) %
Technical support, awareness, communication and advertising	2,128,095	2.027.940	1.497.232	95,29%	70,36%

Table 10.c Priority Axis III Objectives

Axis 3									
Implementation indicators	Unit of measure	Objective	Progress						
			2008	2009	2010	2011	2012	2013	2014
Personnel for the Joint Technical Secretariat	Number	4	0	2	2	4	4	4	4
Events related to communication and territorial animation	Number	30	0	0	4	29	45	59	64
Guidelines to facilitate the implementation of the OP	Number	5	0	0	9	31	59	80	109

The above table shows the financial progress of Axis III and highlights the total committed resources, arising from acts currently in force in relation to the payments for certified expenses as at the 31/12/2014. The data above illustrates that the authority of the program (MA and MNCA) benefiting from the resources of Axis III were able to make use of 95% of the resources allocated to Axis TA. Therefore it is understandable to assume that during 2015 the resources allocated at this level of Priority Axis will be consumed. With reference to the payments it is noted that a significant advancement in the expenditure as at 31/12/2014 equal to €1,497,232 ensure absorption capacity of more than 70 % The table 10.c above shows instead represented the advances made in the year 2014 in relation to the indicators at the level of Priority Axis III.

With reference to **criteria 1** " Personnel of the Joint Technical Secretariat" it is observed that during the year 2014, the personnel involved in the JTS was composed of three components, which together with the contact point in Malta (extension of JTS in Maltese territory), adds up to the total number of 4 units of personnel involved in this role. Following a specific requirement of the MA related to the need to ensure the launch of the strategic projects, speeding up expenditure for ordinary projects and the start of the planning activities related to the cycle 2014-2020, in the course of 2013 steps were taken to initiate a comparative analysis of the titles of the current members of the JTS in order to identify a coordinator.

With reference to **criteria 2** "Events related to communication and territorial animation", as described in Chapter 6 "information and communication", we observe that during 2013 the MA/JTS and the MNCA carried out the following events closely related to communication and territorial co-ordination:

3 seminars were organised primarily in connection with the future activities related to the programme closure, furthermore as participation in support of beneficiaries as part of a steering committee. As part of the entertainment activities, the participation at the EC Day 2014 in Malta should also be highlighted.

With reference to **criterion 3** "Guidelines to facilitate the implementation of the OP", as described in Chapter 6 "information and communication", we observe that during 2014 the MA/JTS has updated the manuals the OP (manual reporting, checklists, etc.) based on development of the national and regional levels as well as the specific needs to improve both the management processes that those responsible for the control of expenses. In addition to the complexity of the implementation of the strategic projects it was required to create templates ad hoc for project financials, corrective actions incurred and project modifications. Therefore the value 109 in "Guidelines to facilitate the implementation of the OP " for the year 2014 explains the authorities' interest and attention to detail for the programme with reference to the difficulty in the implementation of such strategic projects. Specifically, it should be highlighted that the complexity and diversity of the partnerships of strategic projects has caused several delays with respect to the advancement of procedures and consequently to the advancement of the payments.

During 2014 steps were taken to ensure compliance with the management flows, as described in the document "Description of the Management and Control System" under Article. 71 Reg.1828/2006, among all those responsible for the management of that OP in detail are: the Office Responsible for Operations (UCO) of Axis I and II, UCO Axis III, the Control Unit and the Head of the Axes (MA) of the OP. From a preliminary analysis and taking into account the stability of the observations, it is well-coordinated and integrated to avoid any possibility of over-lapping activities, is able to manage flows as provided in the above document. This was also assured through an updating of the DMCS by the MNCA, MA and JTS during 2014 which was approved in the Monitoring Committee of the 22.10.14.

With regard to the administrative and accounting obligations by the MNCA, with regards to management of expenditure items as approved in the plan of Technical Assistance, towards the MA, it should be noted that the same authorities took steps during 2014, with the support of the JTS, to submit two applications for reimbursement of expenses incurred pursuant to Article 16 of Reg. 1080/2006 regularly validated.

3.1.2 Significant problems encountered and measures for solving them

No difficulties related to implementation with regard to Priority 3 of the OP were encountered during 2013.

3.3.3 Result indicators of Axis III

Table 11.c below represents the result indicators provided by the Operational Program for Axis III.

Tab. 11.c - Result Indicators at program level - Axis III

Result Indicators Axis III	Units of Measurement	Objective	Base Line	Total 2013
Population of the eligible area reached by the information campaigns	% of the population	20%		17%

Based on the OP provisions in relation to the frequency of detection of the results achieved at Program level it should be noted that the same should be done at the end of the program. However, 2014 allows the MA to be able to make a first assessment of the results achieved at OP level.

In relation to the single result indicator of Axis III at Program level, the data processing shows that as at the 31/12/2014 the percentage of the eligible area population reached by the information campaigns amounts to 17%.

4. MAJOR PROJECTS

The OP Italia-Malta 2007-2013 does not provide for the realization of large projects

5. TECHNICAL ASSISTANCE

The CBC Programme Italy-Malta 2007-2013 is supported by the Joint Technical Secretariat, established by the Programme Authorities, in accordance with Art. 14(1) of Reg. 1080/2006.

The Joint Technical Secretariat is represented by 3 members who assist the Managing Authority and the Monitoring Committee, as well as the Audit Authority, in carrying out their respective duties.

The tasks of the JTS are conducted through the allocation of areas of responsibility to each of the components involved in the following activity areas:

- Management and support in connection with the OP implementation;
- Monitoring and verification of the physical and financial status of the programme
- Communication and support in connection with the OP implementation.
- Support to the process of negotiation and drafting of the CP Italy Malta 2014-2020.

With regard to management, during 2012, the **management and support efforts for the OP implementation** have seen the engagement of two individuals in the JTS, which were mainly involved in the implementation, monitoring and reporting processes of the activities, related to Axes I, II and III of the programme. With regard to Axes I and II, the activities were directed towards the direct assistance actions offered to lead partner beneficiaries and to partner beneficiaries in connection with the technical and administrative implementation methods of the funded interventions. The mode of operation was executed through the constant connection between the JTS and the “project manager”, the “financial manager” and the “communication manager” in collaboration with the MNCA overseeing the operations who handled the aspects related to project progress and to any changes made to the work plan and/or financial plan.

In detail, the JTS was responsible for the verification and appraisal of the progress reports for partners and lead partners, as well as the requests for modifications to the projects financial planning, for verifying the fulfilment of the "Subsidy Contract" with respect to the MA, for providing support in resolving problems regarding the correct management of funded projects, verifying whether project performance indicators are achieved, for the drawing up of reports on the operations' financial progress (commitments and payments), for supporting the implementation of reporting duties and the filling in of reimbursement requests and for the monitoring of expenditure in connection with the adjacent NUTS III areas (Art. 21 of Reg. (EC) 1080/2006). The JTS, in collaboration with the MNCA support was also evidenced through appropriate support for the strategic project beneficiaries which was aimed at providing them with the assistance tools necessary for fulfilling their responsibilities under the program (by way of example, we can mention the following: Model Rules of Procedure of the Steering Committee, reporting annex, reimbursement annex, annex for financial and procedural monitoring, meeting minutes template, table for calculation of cost per hour, etc.). The monitoring and reporting activities were addressed to the actions for the provision of assistance to lead partner and partner beneficiaries in connection with the expenditure monitoring operations via the MA's computerised system. The activities related to the budget reshape of the strategic projects were carried out through the realization of specific template, the direct support to beneficiaries for correct fulfilment of it, the analysis of a number of 5 budget reshape requests and the subsequent notifications of their outcomes. The mode of operation has provided for direct assistance to the lead partners and/or to the partners, so as to ensure the correct use of the system and of the procedures for data input. The support activity was then implemented

through the holding of face to face meetings with the beneficiaries and through the use of specific tools such as the website's FAQ section , which ensured timely feedback to requests for support from the beneficiaries.

Support activities were held through the organization of meetings vis-a-vis with the beneficiaries through the operational meetings with subsequent drafting of the minutes of the decisions made during these activities.

With reference to the **monitoring and verification process of the physical and financial status of the programme** carried out by the Joint Technical Secretariat during 2014, resulted in an accurate assessment of the implementation progress, indicators of achievement and results achieved by each project.

The methodology used for the physical monitoring has provided an analysis of the contents of Annex A - Administrative-technical reports of the intermediate projects and final request for reimbursement STREETS , BIODIVALUE , VIENERGY , PORT PVEV , CRIM Safri , SIMIT , IMAGENX , PIM ENERGETHICA. This was possible through this analysis of the descriptive content and verification of the indicators of achievement in line with the approved application form.

As for financial monitoring , in addition to the above described process of consolidation of the data transmitted by the leader, in 2014 a periodic review was carried out on the critical issues and delays related to the advancement of the project activities that could threaten compliance with reference to the expense levels agreed in the grant contracts of strategic projects . In this regard the corrective actions were identified so that the achievement of the expenditure targets are within the claims for repayment in 2014 (April, September and December).

These actions were substantiated mainly through the organisation of quarterly meetings with every partner of strategic projects, in the development of brochures designed to promote recognition towards each project, the re-establishment of the reporting periods in order to allow beneficiaries more control over their spending capacity.

The **communication activities** primarily involved human resources, in the direct actions of assistance toward the lead beneficiaries and the partner beneficiaries regarding the progress of the tasks of communication and of the relative output programmed, as well as towards the AdG for the technical aspects related to the implementation of the plan of communication of the programme. The working methods used, provided a constant communication between JTS and the lead administration and/ or partners who were being informed on aspects related to the progress of the communication plan. JTS have carried out communication activities in the framework Axis I, II and III therefore providing institutional communication and implementation of the communication plan of the programme by preparing news, newsletters and press releases and also material which was uploaded on the corporate website. JTS have also carried out activities as liaison with the Maltese contact point for the programme, as well as other contact points of different Territorial Cooperation Programmes and has provided support to planning activities, monitoring and implementation of communication plans funded from the first call for proposals for ordinary projects.

With reference to the implementation of the communication plan, JTS and MNCA have created a significant number of support activities throughout the year including the leader and partners of the ordinary and strategic projects, consisting of 295 participants, who were variously involved in the project activities, over 25 meetings. These meetings were designed to support the implementation of their respective projects, provide support to the beneficiaries in the remodeling activities, provide guidance on the spending of expenses and initiating corrective actions on issues of eligibility of expenditure obligations information and publicity, reporting procedures, monitoring and reimbursement of expenses, on how to complete the documentation required according to the definitions in the annex for reporting and reimbursement as shown in the reporting manual.

With regard to the management of the operational program, the JTS supports of the Monitoring Committee and the Executive Committee. In particular, the Joint Technical Secretariat has supported the MA in carrying out its tasks as described in paragraph 6.1.3 of the OP Italia-Malta.

With reference to the participation in the MC the MNCA were responsible for the setting up of the meeting held on 22 October 2014 however, the JTS prepared the documentation ahead of the meeting and summoned the participants. During 2014 the MNCA was responsible for the chairing of the Monitoring Committee whilst the JTS was responsible for communication, information, contacts with participants, sending and distribution of documents, reports and summaries of the decisions taken, etc ..; assistance to the President of the MC in his functions was also provided. As part of this meeting, the JTS participated with all its components and following a distribution of work, have respectively provided the issues and documents under discussion, they have also offered assistance together with the MNCA to the members of the Monitoring Committee and have taken steps to draft the minutes of the meeting.

The Monitoring Committee of the OP Italia- Malta 2007-2013 has set up, within itself, an Executive Committee, in line with the provisions of the OP, for the selection and approval of projects in accordance with art. 19 Reg. 1080/06. During the year 2014 JTS has also secured the necessary support in 4 written procedures made necessary in order to ensure strategic projects have stabilization of budget and a postponement of the date of closing of the same, where there have been cases arising from external events and unpredictable events, outside the control of the recipients themselves.

With reference to the strategic project PIM ENERGETHICA, in April 2014 the project leader has communicated that the project partner WasteServ Malta (note no. 29235 of 04/04/2014 taken to prot. of the Dip. Planning no. 6286 of 04.08.2014) and the opening of consultations to divide the budget among the remaining partners or appoint a new project partner. The MA has called for a meeting of partners (note no. 8271 of 12.05.2014) to identify the reasons for the withdrawal of WasteServ and requested for a timely dispatch of a new AF. Upon receipt of the new AF, the MA / JTS met in June 2014 for the submission of a written proposal to the assessment board. In July 2014, the Board approved the new evaluation grid project (note no. 12939 of 17/07/2014) and instructed the MA to disclose the results to the project leader and to revise the new AF to be in line with the suggestions of the evaluation board (prot. no. 13021 of 18/07/2014). The project leader disseminates the new Application form (note prot. no. 60399 of 07/25/2014). Following the closure of the written procedure (prot. No. 15194 of 03/09/2014), the EXEC therefore revoked the project and concurrently mandated the MA to partially recover the money. In October 2014 the MA has communicated to the project leader (note no. 18056 of 10/14/2014) the DDG 290 of 10/14/2014 to withdraw the project. The project leader provided 2 notes (prot. No. 79759 of 15/10/2014 and prot. 83520 of 10/29/2014) in opposition to the decree mentioned above and also submitted 3 results achieved by the partnership to demonstrate the functionality of the operation of PIM ENERGETHICA. In order to settle the matter, the MA and the MNCA decided to make use of an "expert group" within the Steering Committee to evaluate the functionality of such output produced by the partnership. Therefore, after the appointment of two experts, being from the Offices of the Sicilian Region and the Republic of Malta, the MA launched a written procedure for the Executive Committee for consideration and approval of the joint report prepared with the aim to ensure that output realized by the partnership were suitable for achieving the first objective of the project being "to analyse the biomass in the two territories and the re-use of it for the production of renewable energy and the preparation of the Integrated Plan for all interventions required to transform this biomass into energy (PIM Energethica), facilitating access to EIB Funds for the construction of the related infrastructure" A written procedure will be completed in the month of January 2015 with the approval of this document.

With reference to the activities related to the negotiation process and the drafting of the Cooperation Programme Italia- Malta 2014- 2020, the authorities of the programme considered the limited financial resources of the TA and therefore guaranteed the preparation and evaluation work for the 2014- 2020 programme to be covered through internal resources of the JTS. Therefore, the Joint Technical Secretariat has supported the work of the task force which took place in 2014 for the preparation of the drafting and final approval of the Cooperation Programme Italia- Malta 2014-2020 and official submission to the European Commission through SFC2014.

After the approval of the legislative package for the 2014- 2020 programme, in December 2013, the Managing authority supported by JTS, has organised the fourth meeting of TF, held in February 2014 documented as "Summary for the intervention strategy". The document represented a logical scheme to draw up the strategy of the CP Italia-Malta 2014-2020. In particular, the document contained the thematic objectives which were chosen, the investment priorities possibilities, reasons for selections, any specific targets in relation to the investment priorities and a number of non-exhaustive indicators of results corresponding to the specific objectives.

During the fifth TF meeting, which was held in June 2014, the investment priorities were further analysed, selected for each thematic objective and their specific objectives along with the expected results. The task force has also addressed the review of chapters 5, 6 and 7 of the draft programme.

In July 2014, the sixth meeting of the Task Force was held and all the structure of the programme was approved, in view of the compilation of the final version and the distribution of the budget for the thematic objectives and technical assistance. During the meeting it was decided to initiate a public consultation for the cooperation programme in mid August 2014, for a further involvement of the partners which are qualified as public authorities, private organizations, intermediaries of knowledge, representatives of small and medium-sized enterprises, citizens etc...

During August and September 2014, the Managing Authority with the collaboration of the MNCA launched a public consultation targeted for the sharing of information regarding the strategy of the future programme which was address to all the participants in the territory of Sicily and Malta. The development process of the online consultation was on a period of one month from 13 August to 15 September 2014, through the collection of comments and observations which were then later included in the programme accordingly.

Following the closure of the public consultation process, the Managing Authority took steps to launch the written procedure of Task Force, which ended Sept. 19, 2014, which was approved as the final version of the cooperation program and its annexes.

After deliberation n.267 of 10.07.2014 and no.293 of 13.10.2014, the Giunta di Governo of the Sicilian Region approved the Cooperation Programme Italia- Malta 2014- 2020 and formally extended the functions of the Managing Authority for the Regional Programming Department and an official submission to the European Commission through SFC2014 was done.

With reference to the "ex-ante CP Italia- Malta 2014-2020" the Managing Authority during November 2012 has appointed the core of the Evaluation board for the Public Investment- NVVIP for the Sicilian Region, as an external third party body for the drafting of the document which was later delivered in September 2014

With regards to the control body, the Operation Programme Italia- Malta 2004- 2013 has gone through a system audit and an audit on the operations in Sicily and Malta, in 2014. In scope of the audit performed in Sicily, the JTS has supported the competent authority in the verification process of the operations and also complied with the relevant recommendations to the functional improvement of the management and control

systems. With regards to the audit in Malta, the MNCA was in constant collaboration with the Audit Authority in order to assist where necessary and to also ensure full cooperation with the programme procedures. In December 2014, the Audit Authority also notified the outcomes of the Annual Control Report as well as the opinion 2014 without highlighting any particular remarks.

With regard to the certification the JTS, during 2014, has offered support to the preparation of 2 statements of expenditure, during the months of June and December 2014. Particularly, the JTS has provided support to the competent authority that is the Managing authority of the OP Italia- Malta 2007- 2013 in order to prepare: the declaration of expenditure; the audit report; the list of amounts withdrawn, recovered or awaiting recovery; the level of commitments legally binding; the list of transactions which gave rise to expenses and provided support for the collection of copies of certificates for validation of expenditure pursuant to Art. 16 of Regulation (EC) 1080/2006 proportionately to the Italian expenses of Axis I, II and III; in the collection of copies of the Audit Certificate art. 16- Reg. 1080/2006 regarding expenses of the Maltese Axis I, II and III also duly verified by the MNCA.

With reference to Axis III of the Technical Assistance Plan of the Operation Programme, the Maltese National Coordination Authority complied with the provisions of LN 296 of 1 June 2010 concerning the obligations regarding public procedures.

As mentioned above, in 2014 the MNCA implemented Axis III in line with the approved Technical Assistance Plan.

6. INFORMATION AND ADVERTISING

6.1 Implementation of the communication plan

In line with the activities envisaged in the communication plan of the Cross Border Cooperation Programme Italia-Malta 2007-2013, the activities carried out in 2014 have been geared towards the following actions:

- information and publicity actions;
- support actions;
- transparency actions and the role played by the European Union;
- actions for communication with other programs.


Referring to the information and publicity actions, in 2014 the program Italia Malta 2007-2013 was in the main event of dissemination and information held during the European Cooperation Day in 2014, an initiative promoted by the European Commission and organized by the INTERACT program.

The aim of the day was to improve the visibility of European Territorial Cooperation, disseminate the main results and show the benefits of cooperation in the population of the areas in reference. The joint initiative took place through activities organised in Malta and Sicily, which involved the management bodies of the programme and projects financed under the OP Italia Malta 2007-2013 in order to disseminate the results achieved by funded projects .

The event took place mainly in Malta through the organisation of a series of dissemination events held as part of the strategic projects and as part of which it has given visibility to the European Cooperation Day in 2014.

The MNCA during the month of September organized various European Cooperation events whereby project partners were encouraged to showcase their results and outputs.

The following events were held in the Maltese territory:

 European Cooperation Day 2014			
Project	Partner	Event	Date
BIODIVA LUE	UoM/ GALXL OKK	The Biodivalue partnership came together in Malta in order to present the project's aims and achievements to the Maltese maritime sector stakeholders. In this regard, a half day conference entitled "Towards sustainable maritime traffic within the Malta-Sicily Channel" set out the project's findings, placing them in the wider context of maritime research. Interventions by sectoral experts / authorities other than those involved in the project were also made. In the afternoon, a guided tour of the Grand Harbour was organised, to point out sites and share information on research and the work undertaken in Malta. This event was organised by the International Ocean Institute – Malta Operational Centre (IOI-MOC) and the Department of Mechanical Engineering at the University of Malta, in cooperation with Gal Xlokk – an NGO from the south of Malta which is also a Maltese partner in the BIODIVALUE project. The seminar was on the 22 nd of September 2014 from 08.30 hrs to 17:00 hrs.	22.09.14

VIENER GY	MSDEC	An open day pertaining to the ViEnergy project was organised, this open day was geared towards increasing awareness on reducing dependence on traditional energy sources and at developing new technologies for the production of energy from renewable sources in the wine sector. In addition to a power-point presentation which was featured at regular intervals, several Committee members were present to show the public around and explain the ViEnergy project. The event took place on the 21 st of September 2014 at the Buskett Winery Research Centre, Rabat, from 16.00 hrs till 20.00 hrs.	21.09.14
CRIMSA FRI	MIEMA / MCAST	Another open day was held in relation to the CRIMSAFRI project featuring the Bioamass Research Centre, which was set up in Malta in 2013 in a joint effort by the Malta College of Arts, Science and Technology (MCAST) and the Malta Intelligent Energy Management Agency (MIEMA). The Biomass Research Centre focuses on two biomass-related initiatives; the first is the commissioning and evaluation of a small, 10-20KW biomass unit that functions under the concept of gasification, using building industry wood residue to produce electricity for the building sector's SMEs to become self-sustained. The second initiative is the cultivation of algae, in order to study algae growth properties as a source of biomass. The open day, which took place on the 24 th of September 2014, was held at the Biomass Research Centre, Institute of Applied Science, MCAST, Kordin Road, Paola. Representatives from both organisations were present on site to provide information to the public.	24.09.2014

The following photos were taken during the events pertaining to EC Cooperation day outlined above:



In addition to this a press release in the government gazette was issued in relation to the European Cooperation day, an extract of which is being reproduced below:

On the 21st of September 2014, an open day is envisaged to be held pertaining to the ViEnergy project, which aims at reducing dependence on traditional energy sources and at developing new technologies for the production of energy from renewable sources in the wine sector. In addition to a power-point presentation which shall be featured at regular intervals, several Committee members will be present to show the public around and explain the ViEnergy project, which is funded under the Italia-Malta 2007-2013 Programme at a co-financing rate of 85%. The Maltese partners participating in this project are the Ministry for Sustainable Development, the Environment and Climate Change and the University of Malta.

On the 22nd and the 23rd of September 2014, the Biodivalue partnership will come together in Malta in order to present the project's aims and achievements to the Maltese maritime sector stakeholders. In this regard, a half day conference entitled 'Towards sustainable maritime traffic

within the Malta-Sicily Channel' will set out the project's findings, placing them in the wider context of maritime research. Interventions by sectoral experts / authorities other than those involved in the project are planned as well. In the afternoon, a guided tour of the Grand Harbour will follow, so as to point out sites and share information on the research and work undertaken in Malta in this regard. This event is organised by the International Ocean Institute – Malta Operational Centre (IOI-MOC) and the Department of Mechanical Engineering at the University of Malta, in cooperation with Gal Xlokk, which is another Maltese partner participating in the BIODIVALE project. This project is funded under the Italia-Malta 2007-2013 Programme at a co-financing rate of 85% and aims at quantifying, in economic terms, the impacts (in terms of water quality, alien species, etc) of maritime traffic in the Malta-Sicily Channel, by monitoring such traffic, developing an online database which handles all the traffic data coming in, identifying the different typologies of vessels and resorting to the assistance of environmental economists to translate such information into monetary terms for policy-makers and decision-makers. The project also aims to develop an automated probe, known as TowFish, which will measure a number of different water quality parameters as it glides through the water.

Another open day shall be held on the 24th of September 2014 featuring the Bioamass Research Centre, which was set up in Malta in 2013 in a joint effort by the Malta College of Arts, Science and Technology (MCAST) and the Malta Intelligent Energy Management Agency (MIEMA), with a co-financing rate of 85% under the Italy-Malta Programme. The Biomass Research Centre focuses on two biomass-related initiatives; the first is the commissioning and evaluation of a small, 10-20KW biomass unit that functions under the concept of gasification, using building industry wood residue in order to produce electricity for the building sector's SMEs so as to become self-sustained. The second initiative is the cultivation of algae, particularly the study of algae growth properties as a source of biomass.

Various Maltese news websites documented the events held on these occasions. Here are some links in this regard:

<http://www.tvn.com.mt/mt/news/zieda-ta-kwazi-e15-il-miljun-ghall-programm-italia-malta/>

<http://www.newsbook.com.mt/artikli/2014/9/22/EU14-il-miljun-iktar-ghall-programm-italia-malta-sal-2020.22444/>

In Sicily on the other hand, the Imagenx project presented its first International Scientific Meeting on the 18 and 19 September 2014. This was the first major event of the project, which looks into the study of breast cancer laboratory analysis and the development of surveillance programmes for women with increased risk, this conference saw the contribution of all the six participating partners, including three Maltese partners namely the Ministry for Energy and Health as the Lead Partner of the project, the University of Malta and the Malta Council for Science and Technology. During this event, new high-tech IT systems developed to evaluate familial and lifestyle risk factors, recently developed by the Ministry for Energy and Health in Malta was launched. The participating Universities of Malta and Trapani presented new insights and recent results in the field of laboratory testing for breast cancer. In addition, several experts from Europe contributed towards this event which was held at the Hotel des Etranges in Syracuse, Sicily on the 18th of September 2014 from 09.00 hrs till 17.30 hrs and on the 19th of September 2014 from 09.00 hrs till 13.00 hrs. Here is a photo of the event:



Finally, apart from the EC cooperation day the MNCA also organised an information stand at the very famous local event “Notte Bianca” held on the 4th of October 2014. This event is a nation wide occasion whereby the capital city Valletta is filled to the brim with information which is of interest to the general public. Various Auberges are organised along different themes and the Auberge d’Aragon was dedicated to EU Funds promotion where the territorial cooperation unit had a dedicated stand where the Italy-Malta 2007-2013 programme was featured as is shown in the photos below, The event was open to the general public and there was a very healthy attendance on the day.



In cross reference to the initiatives described above, the Joint Technical Secretariat has taken over the compilation of the reports for the INTERACT programme, providing updates to the web portal www.ecday.eu, make use of social media, _for the dissemination and sharing of information, photos, and information on local events. Through the use of the dedicated APP it was also possible to access and share content and photos relating to the various events held throughout Europe.

The _ information and publicity actions, in 2014 were maintained through constant updating and improvement of the official website of the programme www.italiamalta.eu. This activity was assured both by uploading

content and the publication of the latest news to date, and also through the deployment of new utilities such as calendar events, the counter and the employment opportunities section.

In particular as regards and the documentary section of the site in 2014 were charged a number of 62 documents related to procedures reports lists reference standard Italian and Maltese list of beneficiaries etc. and they have been published over 24 news relating to relevant facts out of the operational program. The amount of documents published in 2014 has met and the average of previous years and that in order to ensure more accurate and updated information of the activities of the programme.

With reference to the information and publicity activities, being the results of the OP and the benefits of cooperation of the territories within the area, in 2014 there has been an extensive quantity of dissemination activities by the MA / JTS / MNCA through the organisation of 3 products mainly being: brochure of ordinary projects newsletter of the programme promotional material about the program.

For both the brochure and newsletter the aim was to make products easily accessible by the general public and that gave account of the results obtained in a concrete and tangible way _ for each of the 17 ordinary projects.

The brochure was a publication that gave a summary of the themes and objectives of the program containing descriptions of the projects funded and the results obtained including the impact in the territories. It was produced in A5 format consisting of 48 pages full colour printed on glossy paper 130 gr and hardcover 200 grams so that it is handy and easy to use. For each project two pages were dedicated containing information on the topic of the project partnership, output achieved, description, public funds used, references (contact person e-mail website) and start / end date of the project.

The following, are some pictures as an example of the brochure.





finalità dell'asse I

Competitività, innovazione e Ricerca
Sviluppo Sostenibile

L'Asse I promuove la ricerca e l'innovazione garantendo la valorizzazione delle risorse naturali e culturali, integrate anche secondo modelli di turismo sostenibile. La strategia contribuisce a fini al miglioramento del sistema di accessibilità a livello transfrontaliero in un quadro di sviluppo sostenibile, anche attraverso azioni di rafforzamento della capacità istituzionale e del patrimonio dell'area di cooperazione.

L'Asse prioritario raggiunge i seguenti obiettivi specifici:

- 1.1 sostenere la ricerca e l'innovazione per favorire percorsi di sviluppo sostenibile attraverso la creazione di reti di cooperazione tra enti pubblici, istituti di ricerca/università e organizzazioni di imprese, lo sviluppo di start-up, tecnologie transfrontaliere e la attivazione di incubatori e metodi innovativi nei settori del turismo, della ricerca e del sociale;
- 1.2 migliorare l'accessibilità transfrontaliera e rafforzare i sistemi di trasporto a bassa impatto ambientale;
- 1.3 sviluppare e giustificare le potenzialità del turismo contribuendo al miglioramento dell'offerta turistica integrata attraverso azioni di promozione e di marketing territoriale;
- 1.4 contribuire al rafforzamento del partenariato istituzionale transfrontaliero nella mediazione dell'asse attraverso la creazione di reti regionali e la realizzazione di iniziative finalizzate a migliorare l'accesso ai servizi da parte delle imprese.

I beneficiari dei progetti cofinanziati dall'asse I sono: piccoli imprenditori, artigiani, artigiane, cooperative, università, centri di ricerca, enti gestori di aree protette, operatori turistici pubblici e privati, organizzazioni di PMI.



THE HUB
Euro South HUB

IL TEMA DEL PROGETTO: L'innovazione sociale al centro del Mediterraneo, ovvero uno spazio di co-working fisico e virtuale costituito da una comunità di imprenditori e innovatori sociali, imprese sostenibili, professionisti e associazioni che puntano sulla sostenibilità sociale, economica e ambientale della loro impresa.

I LUOGHI: Ortigia (Siracusa), Lampedusa, Malta.

I PARTNER: Università di Catania (capofila), University of Malta, Comune di Siracusa, Confcooperative Siracusa, Istituto Onnicomprensivo "Luigi Pirandello" di Lampedusa.



2 hub
a Ortigia (Siracusa) e
Lampedusa

1 spazio hub
virtuale a Malta

1 community
di
7000 innovatori
sociali in tutto
il mondo

Il progetto ha realizzato un polo di ricerca, aggregazione, servizi e incubatore di progetti e di impresa sociale attivo fra Malta, Siracusa e Lampedusa, attraverso la creazione di spazi hub sia fisici sia virtuali, sul modello già sperimentato in circa 40 città in tutto il mondo.

All'interno degli spazi di Ortigia (Siracusa) e Lampedusa, gli hubber gestiscono laboratori legati all'impresa, all'innovazione sociale e all'economia ecosostenibile e organizzano iniziative principalmente rivolte a imprenditori, giovani che si affacciano al mondo del lavoro e donne.

La componente tecnologica 2.0 ha permesso al progetto di mettere in rete e condividere i principali risultati del progetto con la comunità virtuale degli hubber grazie al supporto di una piattaforma specificatamente creata. La tecnologia sviluppata nell'ambito del progetto ha consentito agli utilizzatori il passaggio dal bidimensionale (come nel caso di Facebook) al più coinvolgente mondo tridimensionale (simile al caso di Second Life), capace di riprodurre le dinamiche di un hub fisico. In questa fase, alcuni esperimenti di "realtà aumentata" sono stati pre-progettati con lo scopo di utilizzare le ITC per rafforzare la connettività tra gli hub e gli utenti.

Mescolando interazioni digitali, virtuali e fisici, il progetto THE HUB contribuisce così alla crescita della propria rete sociale e all'attrazione di nuovi membri e fruitori.

L'attività di messa in rete di THE HUB con i network internazionali ha portato inoltre all'organizzazione congiunta di attività con i centri The Hub di Londra, Barcellona, Madrid, Bruxelles e Stoccolma.

Fondi Pubblici	€ 865.835,00
Durata	15 aprile 2011 - 31 agosto 2013
Website	www.eurosouth-hub.net
Contatti	siracusa.host@the-hub.net

The brochure was created in Italian and in English, 500 copies were printed and distributed throughout Europe following a precise plan of distribution mainly intended to: Programme beneficiaries, the Community institutions (European Commission, Italian and Maltese Representation in Brussels, INTERACT), to the general public attending dissemination events organized by INTERACT (EC Day 2014) and also by other mainstream programs such as the ERDF etc.

The newsletter for this programme is an editorial product published and distributed quarterly in Sicily, Malta and through the Community Institutions. The newsletter has been structured to accommodate the description of three projects, and within each section detailed information was dedicated for each project and for each project. This space was provided to offer the possibility to share the benefits of the added value of the project and share it with the people of the area.

During 2014, in parallel with the progress of the programme Italia- Malta 2014- 2020 the newsletter has also integrated insights related to the new programme.

Below are some pictures of the newsletter which was published in 2014:



Trimestrale Luglio-Settembre 2014

Investiamo nel vostro futuro
www.ItaliaMalta.eu

**PANORAMA
Italia | Malta**

Programma Operativo Italia-Malta 2007-2013



IN QUESTO QUINTO NUMERO

Il numero di Luglio-Settembre 2014 della nostra newsletter si apre con il progetto **Lithos**, che si è posto l'obiettivo di studiare, recuperare e valorizzare la cultura legata a una delle tecniche costruttive più caratteristiche e più antiche dell'area sicilo-maltese: la stramonita. E da un'antica tecnica architettonico-costruttiva, con il progetto **Archaeotur** si passa alla conservazione e promozione del patrimonio culturale transfrontaliero attraverso la valorizzazione di alcuni siti archeologici "minori". Promozione che non si occupa solo dei passati, ma che con il progetto **WaterFront** si rivolge al futuro riqualificando quelle aree entrate a stretto contatto con il mare - che unisce Sicilia e Malta. Umore di intenti, capacità e risorse che viene ribadita nella presentazione della **Programmazione 2014/2020**.

>> IL VALORE DELLA CULTURA
tra antiche tecniche costruttive e siti archeologici "minori"
progetto **LITHOS + ARCHAETUR**

>> RIQUALIFICARE LE AREE URBANE
in cui l'acqua è una risorsa da sfruttare in modo ecosostenibile
progetto **WATERFRONT**

E INOLTRE...

>> Diamo un'occhiata alle linee guida per la **PROGRAMMAZIONE 2014/2020**
per proseguire nella cooperazione tra Sicilia e Malta, per promuovere l'area transfrontaliera e condividere nuovamente i risultati!



Trimestrale Ottobre-Dicembre 2014

Investiamo nel vostro futuro
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**PANORAMA
Italia | Malta**

Programma Operativo Italia-Malta 2007-2013



IN QUESTO SESTO NUMERO

Salute: in tema di prevenzione dei rischi socio-sanitari (progetto **RESPIRA** e **ImagenX**) e **Innovazione sociale** (progetto Euro South Hub) sono i temi di questo sesto numero della nostra newsletter. Temi che avranno un ruolo di primaria importanza e saranno ampiamente sviluppati nell'ambito dell'ottimale ciclo di programmazione 2014-2020 già avviato il 14 settembre 2014.

Il progetto **Respira**, il primo risultato in questo numero, si pone l'obiettivo di studiare e analizzare la patologia respiratoria nei territori di Malta e Gola legata all'esposizione della popolazione agli agenti inquinanti. **ImagenX**, oltre a promuovere azioni di prevenzione e sorveglianza del cancro al seno, coinvolge la società ad assumere maggiori responsabilità nel campo della salute. Società che è l'attore centrale anche del progetto **Euro South Hub**, che mescolando innovazioni digitali, virtuali e fisiche, contribuisce alla crescita di una rete sociale transfrontaliera capace di produrre idee e sviluppo.

Tutti d'intesa nei progetti e, quindi, il coinvolgimento della società, considerata sempre più come parte attiva sia nelle azioni di prevenzione sia nella creazione di innovazione.

>> ARIA E SALUTE TRA MALTA E GELA
Un'indagine comune su inquinamento dell'aria e patologie respiratorie per conoscere e prevenire: progetto **RESPIRA**

>> SICILIANI E MALTESI UNITI NELLA PREVENZIONE
Operatori sanitari, amministratori e ricercatori siciliani e maltesi danno vita a una rete transfrontaliera per sviluppare azioni di prevenzione e sorveglianza del cancro al seno: progetto **IMAGENX**


>> L'INNOVAZIONE SOCIALE AL CENTRO DEL MEDITERRANEO
In uno spazio di co-working si restaurano interazioni digitali, virtuali o fisiche tra professionisti, imprese e innovatori sociali: progetto **EURO SOUTH HUB**



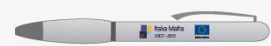
As for the promotional material, the objective was to give visibility to the programme by using the corporate image of the programme. Objects which are easily distributed to the general public were chosen such as USB pens, beach ashtrays and canvas bags. These are objects which were widely distributed in Maltese and Sicilian territories.

It is important to mention that the ashtrays were distributed in protected marine areas and also in parks, with the aim of increasing the awareness regarding the protection of the environment among other important themes which are addressed in the OP Italia- Malta 2007- 2013.


POSACENERE DA SPIAGGIA - h.15,7cm
VERSIONE IN OUTLINE

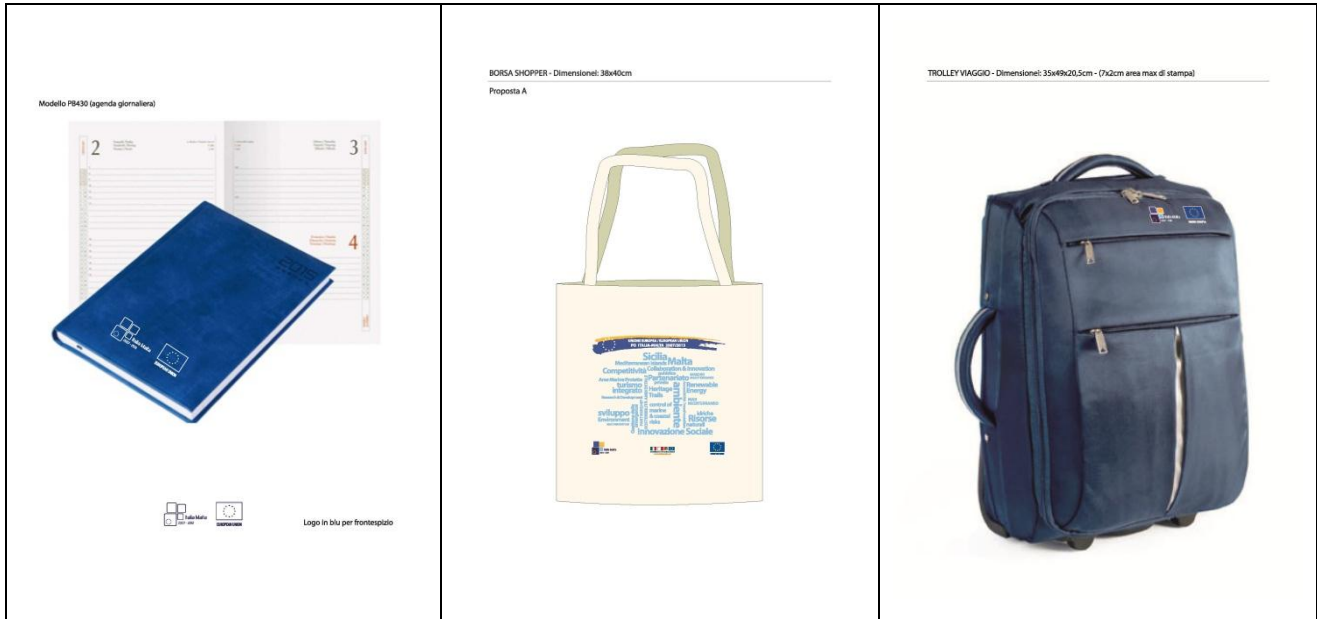


PENNA A SFERA - Dimensioni: 1,6x13,5cm



PENNE USB





As with regard to the communication activities carried out by the projects it is worth mentioning the dissemination activities carried out by the MA with reference to the projects PORT PVEV. The project PORT-PVEV has addressed a number of issues that unite the Sicilian and Maltese port areas which are characterized by intense economic activities, mainly related to the shortcomings in the energy efficiency and use of renewable energy sources.

In order to give visibility to the activities of the project a logo was created which represents the corporate image of the project and has been used in all information dissemination activities and all communication produced and used during events organized within the project.



Web Site

An official website of the project was launched and can be visited via the link www.portpvev.eu. All partners have contributed to the population of the web page of the project which constantly being updated during project implementation and will continue to be updated after the project life cycle.

Press Releases and Media Highlights Visibility

Several press releases have been published of which 3 were published in Malta whereas 10 in Sicily. The project was made visible online through the websites of partners, government websites, newspaper articles as well as part of specialized magazines.

As an example, links are provided below:

<http://mti.gov.mt/en/Pages/Electromobility/PORT-PVEV.aspx>

<http://www.transport.gov.mt/transport-strategies/strategies-policies-actions/transport-strategies-in-development/port-pvev-project>

<http://electromobility.gov.mt/en/Pages/Port-PVEV.aspx>

Examples of visibility actions related to the Project and of the Programme

Equipment and infrastructure used for the project have been marked with the logo of the project in order to display the contribution of the EU and the program Italia Malta 2007-2013 initiative.



A total of 19 billboards have been placed in the port areas during the project life in order to give visibility to it and also to emphasise the efforts to decarbonise the respective port areas. The promotion of the project PORT-PVEV in Malta was supported by a massive promotion of electromobility throughout the Maltese territory.

A total of 3 billboards were placed in the Valletta Grand Harbour and in its hinterland in conjunction with the intermediate event. Furthermore 7 billboards were installed at the Valletta Grand Harbour and the Ferry Terminal at Cirkewwa in conjunction with the final delivery of the project outputs in their respective ports. Similar billboards (9 in total) were finally installed at Gela and Caltanissetta.

Intermediate Event

The intermediate event held in Malta entitled 'Electromobility Islands' has also hosted an exhibition of various types of battery electric vehicles (BEV) and their charging infrastructure. A number of car importers and suppliers of the charging infrastructure for electric cars participated in the exhibition for a total of 110 participants at the event.

Project Brochures

A brochure of the project was produced and 1,000 copies were printed in English for the benefit of the whole partnership to promote and also offer an explanation of the project. Two additional brochures were designed for the general public with the aim of: a) promote and explain the project; b) disseminate the results once the project is closed. 5,000 copies of each brochure were printed.

Video

In order to illustrate and describe the activities within each port area and also disseminate information as widely as possible a video was created and launched as part of the final PORT-PVEV. The video will continue to be available on the site PORT-PVEV as well as on the website of TM MNEP, on their Facebook pages and on You Tube.

Exhibition

To give more visibility to the activities undertaken during the project a photographic exhibition was setup to exhibit the life of the project. The exhibition illustrates to the beneficiaries of the project the final results and their use within the port area, thanks to the Operational Programme Italia Malta 2007-2013.

Printed Media

During the project life cycle each partner was invited to give interviews which would explain the innovative element of the project PORT PVEV and that would provide a demonstration of the activities being implemented. Interviews are presented in articles published in international magazines such as Thinking Highways (Vol.9. No.2) Thinking Cities (Polis Annual Conference Special Edition) and Traffic Technology International (February / March 2014).

OPTab. 12 - Indicators of the communication plan (Information and advertising measures)

Information and advertising tools	Output	Indicators	2009	2010	2011	2012	2013	2014
Events of public interest	Organization of the programme launch event and of other scheduled events (info day, seminars, meetings and workshops, information conferences)	No. of organised seminars		2	4	4	4	5
		No. of organised events		2	4	6	8	12
		No. of final participating beneficiaries		420	670	913	1013	1063
		No. of articles and notices for publicising the events		3	7	65	75	78
Launch of the OP website	Enhancement of the OP website	No. of users/visitors		30.621	63.344	78.388	88.658	96.295

	Verticalisation of the information of the previous Interreg III Programme	No. downloaded documents		22	22	22	22	22
	Setting up of a back-end section	No. of news published in the news section	1	2	2	2	2	2
	Setting up of a section reserved for OP beneficiaries	No. of content System management (CSM)			1	1	1	1
	Constant updating of website	No. of reserved sections	2	29	50	77	99	123
		No. of published news	42	100	202	256	298	360
	Creation of a database of participating beneficiaries/partners	No. of documents uploaded			1	2	2	2
		No. of databases created		182	335	440	440	440
Advertising in local and national media	Publication of items related to the OP and to funded projects in national regional press	No. of media showing interest in the OP			84	236	399	488
	Mass media productions and dissemination	No. of articles, notices and video productions regarding the OP and the funded projects			146	271	680	850
		No. of productions created by the mass media			1	11	28	48
News letter of the OP	Quarterly preparation of the news letter of the OP	No. of printed copies					100	600
		No. of download of the newsletter from the web site					1738	2729

With reference to support actions, the activities of the Managing Authority and Maltese National Coordination, supported by the JTS has guaranteed the realization of informative seminars targeted at beneficiaries of ordinary and strategic projects.

Particularly in Sicily there were 25 meetings carried out with the beneficiaries of strategic projects and with the participation of 295 subjects. The goals of these meetings were to identify and clear the critical issues and delays in the progress of the project, discuss the status of the projects when compared to the commitments employed, the identification of corrective actions that would guarantee the achievement of the target of spending in scope of the claims for reimbursement 2014. Similar meetings were held in Malta for a total of two meetings attended by a total of 25 participants.

During 2014, the Maltese National Coordination Authority has been in constant contact with the Maltese partners, dealing regularly with the Managing Authority and the Joint Technical Secretariat in order to ensure the proper implementation of the ordinary and strategic projects. In this regard, 17 bilateral meetings were organised involving all projects as follows:

January

30.01.2014 – Bilateral project progress meeting held with representatives from the University of Malta and MSDEC in relation to the VIENERGY project.

30.01.2014 – Bilateral project progress meeting held with representatives from MIEMA in relation to the CRIMSAFRI project.

30.01.2014 – Bilateral project progress meeting held with representatives from Transport Malta and the MTI in relation to the PORTPVEV project.

30.01.2014 – Bilateral project progress meeting held with representatives from the MEH, the MCST and the University of Malta in relation to the IMAGENX project.

February

28.02.2014 – Bilateral project progress meeting held with representatives from GALXLOKK and the University of Malta in relation to the BIODIVALUE project.

28.02.2014 – Bilateral project progress meeting held with representatives from the LGA, the Melliha LC and Wasteserv in relation to the PIMENERGETHICA project.

April

04.04.2014 - Bilateral project progress meeting held with representatives from the University of Malta and MSDEC in relation to the VIENERGY project.

25.04.2014 – Bilateral project progress meeting held with representatives from Transport Malta and the MTI in relation to the PORTPVEV project.

May

09.05.2014 - Bilateral project progress meeting held with representatives from the MEH, the MCST and the University of Malta in relation to the IMAGENX project.

30.05.2014 - Bilateral project progress meeting held with representatives from GALXLOKK and the University of Malta in relation to the BIODIVALUE project.

June

04.06.2014 – Bilateral project progress meeting held with representatives from Transport Malta and the University of Malta in relation to the STREETS project.

26.06.2014 - Bilateral project progress meeting held with representatives from the University of Malta and MSDEC in relation to the VIENERGY project.

July

04.07.2014 - Bilateral project progress meeting held with representatives from the CPD and the University of Malta in relation to the SIMIT project.

30.07.2014 - Bilateral project progress meeting held with representatives from the MEH, the MCST and the University of Malta in relation to the IMAGENX project.

October

08.10.2014 - Bilateral project progress meeting held with representatives from the CPD and the University of Malta in relation to the SIMIT project.

08.10.2014 – Bilateral project progress meeting held with representatives from the MEH, the MCST and the University of Malta in relation to the IMAGENX project.

31.10.2014 - Bilateral project progress meeting held with representatives from the University of Malta and MSDEC in relation to the VIENERGY project.

These meetings were crucial because they have allowed to overcome some obstacles from time to time faced by partners in the daily management of the activities.

The MNCA has followed with particular attention some situations in order to prevent difficult results which would jeopardise the completion of the objectives. More specifically, 10 ad hoc meetings were organised with project beneficiaries who were facing delays in terms of implementation of certain activities and related reports as follows:

28.03.2014 – Ad hoc meeting held with representatives from Wasteserv in relation to their situation in the PIMENERGETHICA project.

11.04.2014 – Ad hoc meeting held with representatives from MIEMA and FTZ with regards to issues pertaining to the two organizations in relation to EU projects in general and also in relation to the CRIMSAFRI project.

25.04.2014 – Ad hoc meeting held with representatives from the MEH as a Lead Partner of the IMAGENX project

09.06.2014 - Ad hoc meeting held with representatives from Wasteserv in relation to their situation in the PIMENERGETHICA project.

14.08.2014 – Meeting held with the financial controller and other stakeholders within the MEH in relation to the IMAGENX project.

19.08.2014 - Ad hoc meeting held with representatives from the LGA in relation to the suspension of the PIMENERGETHICA project.

26.08.2014 - Ad hoc meeting held with representatives from MIEMA and FTZ with regards to issues pertaining to the two organizations in relation to EU projects in general and also in relation to the CRIMSAFRI project.

15.09.2014 – Meeting held with the financial controller and other stakeholders within the MEH in relation to the IMAGENX project.

03.10.2014 – Meeting held with project leader and other stakeholders within the MTI and Transport Malta in relation to the PORT PV project.

28.10.2014 – Meeting held with the financial controller and other stakeholders within the MEH in relation to the IMAGENX project.

The MNCA has supported the beneficiaries in the resolution of these critical issues which were encountered during implementation of the project.

Furthermore on the 28.10.2014 a seminar open to all the current Maltese beneficiaries of the 2007-2013 Italy-Malta cross border programme was organized at “Dar l-Ewropa” with the intention of gauging the interest amongst current beneficiaries to implement additional activities.

This meeting was a result of discussions held during the 6th Monitoring Committee in Malta where the need to over-commit immediately so that no funds go unused was discussed.

As a result of this seminar eleven proposals for additional activities were sent to the MA.

During 2014, the MNCA and the Joint Technical Secretariat participated in specific meetings organized by the project leader of the strategic projects. It was also required to have their presence during Steering Committee meetings since their support was needed for the continuation of activities and for the redesign of the project budget. In particular, the Secretariat participated in the Steering Committees of IMAGENX projects.

In 2014 the Managing authority and the Maltese National coordination Authority, together with the Joint Technical Secretariat and the National Contact Point, have guaranteed an action of constant communication between the activities of the OP and the formalities to be carried out on the 2 territories through constant dialogue and shared activities. The Joint Technical Secretariat has constantly interacted with the Maltese National Coordination Authority and the contact point for the updating and revision of 29 documents to support the beneficiaries of projects and provide them with the necessary tools and assistance for the fulfilment of their obligations under the programme (Manual of reporting Expenditure, Annex reimbursement, table for the reconnaissance of funds etc...). The documentation for the use of beneficiaries has been distributed to all stakeholders, including through the publication of the same in the documentary section of the corporate website www.italiamalta.eu. During 2014, the joint Technical Secretariat has also instructed 4 modifications to the strategic projects by providing the necessary information to the proper compilation of the relevant files processed.

Table n. 13 - Indicators of the communication plan (Support actions)

Information and advertising tools	Output	Indicators	2009	2010	2011	2012	2013	2014
Seminars/workshops	Organisation of	No. of organised seminars and workshops			23	74	143	198

		No. of participating beneficiaries			199	534	1241	1660
Informative material	Guidelines for end beneficiaries, reporting manuals, forms, etc.	No. of created documents		9	31	59	80	109
		No. of downloads from the OP website	5.828	51.741	82.420	139.227	197.032	207.203
		No. of programme related publications				16	18	19
		No. of FAQs published on the site		29	84	84	84	84
		No. of answers on the Forum		62	62	62	62	62
		No. of Forum members		2.011	2.011	2.011	2.011	2.011
Assistance actions for end beneficiaries	Meetings held with the JTS and with the Maltese contact point	No. of organised meetings		1	7	10	10	10
	Meetings with the Programme authorities	No. of information requests			55	108	112	266
	Meetings with the project beneficiaries	No. of participations in Steering Committees			17	22	27	42

With reference to actions for the promotion of transparency and the role played by the EU, in 2014 the strategic projects initiated and in some cases consolidated the activities of information and communication, in accordance with the formalities required by Regulation 1828/2006 and with the guidelines of the reporting manual of the OP. Particularly the 8 strategic projects have followed the requirements of the communication plan, ensuring both transparency of the procedures and also the visibility of the contribution played by the European Union. In line with their plans for communications, prepared in accordance with the communication plan of the OP, the more mature projects have made dissemination at the regional and national media, always ensuring adequate visibility to the role played by the European Union and ERDF. In particular, all the 8 strategic projects have been advertised on the regional and national mass media, which have reported detailed information on the type of activities funded by the European Union under the Operational Programme and with the possible additional funding of beneficiaries involved. Also as part of ETC Day 1 press releases have been prepared which in total contained 2 articles.

Table n. 14 - Indicators of the communication plan (Support actions)

Information and advertising tools	Output	Indicators	2009	2010	2011	2012	2013	2014
Ensuring compliance with provisions in the preparation of the section of the annual and final implementation report with regard to the activities and results of the CP	Drawing up of the section related to the activities and results of the CP in the annual and final reports	No. of examples of promotional activities reported in the annual and final reports			4	7	10	13
		No. of projects that meet the CP requirements			17	22	25	25
		No. of projects publicised by the mass media			6	10	17	25
Monitoring of websites created by the OP beneficiaries	Verification activities of websites created by the approved projects	No. of consulted websites			5	16	17	24
		No. of links leading to the OP website			5	16	17	24
		No. of uploaded documents	0	30	7	37	43	357
Ensuring observance of transparency with regard to the opportunities offered by the OP	Publication of press releases, advertorials, and articles	No. of articles, press releases and advertorials published		11	15	73	83	86

With respect to actions for communicating with other Community programs, the Managing Authority of the OP and the Joint Technical Secretariat, in 2014 participated in 3 meetings and seminars organized by the European Commission and the INTERACT program.

In particular, during the month of March in 2014, the JTS has travelled to Rome to attend the operational meeting for the actions of coordination with reference to the last meeting of the Task Force from 2014 to 2020 of the OP Italia-Malta 2014-2020. In the same month of March, the MA and the JTS travelled to Madrid to attend the day's work organised by the INTERACT programme representatives and the European Commission together with the MA / JTS of the European programmes for cooperation on activities related to the preparation and loading of the SFC for the Operational Programmes 2014-2020. Finally, in May 2014, the MA and the JTS attended the meeting about the closure guidelines of the operational programs of the 2014-2020 programming, organized by the Directorate General for Regional Policy and Urban Department and the General Employment, Social Affairs and Inclusion.

Table n. 15 – Achievement indicators of the communication plan (Actions for communication with other community programs)

ACTIONS FOR COMMUNICATION WITH OTHER COMMUNITY PROGRAMS								
Information and advertising tools	Information and advertising tools	Information and advertising tools	2009	2010	2011	2012	2013	2014
Participation of the authorities involved in the OP in events of public interest	Participation in training/information days	No. di events			4	13	20	24
		No. of involved Authorities			30	80	115	132
		News published on the website in relation to the activities			4	12	12	13

In 2014 the Managing Authority has proceeded to the publication of the list of beneficiaries under the OP. This publication was made available in the institutional website of the OP Italia Malta 2007-2013 www.italiamlta.eu and on the official website of the ERDF OP Sicily www.euroinfoscilia.it.

For further information, please find below, in addition to the list of beneficiaries as at 31/12/2014, the payments made by the European Commission. Taking into account the achievement indicators of the communication plan of the programme, one can clearly understand the achievement of operational objectives of the communication plan.

With reference to the operational objective 1) "to inform the public about the role of the European Union in regional development and territorial integration of the European territory" it is possible to identify that communication actions carried out by the beneficiaries of the program were fit for purpose. In particular, the MA and the MNCA succeeded, given the limited financial resources, to maximize the impact of communication through the contribution of each beneficiary of the ordinary and strategic projects in order to reach different audiences (citizens, tourists, young students, researchers, administrators and associations) and inform about the European Union's contribution in developing joint programs aimed at solving the problems of border areas.

With reference to the operational objective 2) "to ensure transparency in the decision-making procedures, and the implementation and monitoring phases of the programme, bringing into effect the rights of citizens towards the full and proper information" it can be said that the measures of communication and information carried out by the authorities of the programme were highly adherent to the targets set. In particular, the programme has ensured the highest level of participation in choices and the broad programming through multidimensional communication approaches.

As part of the activities related to the closure of the programme greater detail will be given in relation to the impacts obtained by the communication actions.

Table n. 16 Payments granted by the European Commission

PAYMENTS GAMENTITIES GRANTED BY THE EUROPEAN COMMISSION							
PRIORITY AXIS	PRE-FINANCING	PAYMENTS ON RFR TILL 31/12/2010	PAYMENTS ON RFR TILL 31/12/2011	PAYMENTS ON RFR TILL 31/12/2012	PAYMENTS ON RFR TILL 31/12/2013	PAYMENTS ON RFR TILL 31/12/2014	TOTAL PAYMENTS TILL 30/06/2015
I	1.329.527,55	-	762.877,35	2.399.699,00	3.377.749,82	520.521,15	8.390.374,87
II	1.220.994,69	-	786.288,24	2.369.814,50	3.160.771,94	4.873.588,13	12.411.457,50
III	162.799,29	99.654,13	409.539,41	205.578,00	281.050,33	276.824,99	1.435.446,15
TOTAL AXIS	2.713.321,53	99.654,13	1.958.705,01	4.975.091,50	6.819.572,09	5.670.934,28	22.237.278,53

Table n. 17 - List of beneficiaries as at the 31/12/2013 .

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disburst	
					Total	ERDF Co-finance
Regione Siciliana	3	Technical Assistance	2009	24.000,00	23.936,03	20.345,63
Regione Siciliana	3	Catania Monitoring Committee- April 2009	2009	9.024,00	9.024,00	7.670,40
Regione Siciliana	3	Payment publication ban on JTS Republic	2009	1.500,00	1.500,00	1.275,00
Regione Siciliana	3	Payment JTS publication ban on Sicily and Giornale di Sicilia	2009	3.434,76	3.434,76	2.919,55
Regione Siciliana	3	Compensation components JTS	2009	500.000,00	490.646,25	417.049,31
Regione Siciliana	3	Payment missions	2009	70.000,00	62.748,96	53.336,62
Regione Siciliana	3	Publications translations organizing events	2010	250.000,00	265.955,08	226.061,82
Regione Siciliana	3	Compensation 3rd component JTS	2011	310.000,00	200.097,36	170.082,76
Regione Siciliana	3	Other fees ADG	2011	44.000,00	35.373,60	30.067,56
Regione Siciliana	3	Catering at the Steering Committee on 5 and 6 October 2011	2011	700,00	700,00	595,00
Regione Siciliana	3	Services for the organization of ETC Day 2012	2012	39.034,60	39.034,60	33.179,41
Regione Siciliana	3	Maintenance and evolution of the IT system for the monitoring of the OP Italy-Malta	2013		15.748,31	13.386,06

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disbursed	
					Total	ERDF Co-finance
Regione Siciliana	3	Services for the organization of ETC Day 2013	2013		10.935,47	9.295,15
Regione Siciliana	3	Internship Training as part of the OP Italy-Malta	2013		900,00	765,00
Autorità Nazionale di Coordinamento Maltese	3	Charges MNCA Axis 3	2009	388.150,00	337.197,29	286.617,70
Mosta Local Council	1.3	Project ARCHAETUR	2011	413.500,00	349.382,78	296.975,36
Heritage Malta	1.3	Project ARCHAETUR	2011	157.700,00	98.699,90	83.894,92
Malta Tourism Authority	1.3	Project ARCHAETUR	2011	94.500,00	79.027,67	67.173,52
Rabat local Council	1.3	Project ARCHAETUR	2011	81.900,00	29.393,64	24.984,59
Comune di Ragusa	1.3	Project ARCHAETUR	2011	196.558,00	189.625,55	161.181,72
Regione Siciliana - Soprintendenza ai BB.CC. Ragusa	1.3	Project ARCHAETUR	2011	223.494,00	221.992,83	188.693,91
Comune di Santa Croce Camerina	1.3	Project ARCHAETUR	2011	80.600,00	78.024,77	66.321,05
GiriTravel srl	1.3	Project ARCHAETUR	2011	116.565,00	116.459,42	98.990,51
University of Malta	2.3	CALYPSO project	2011	598.271,00	604.888,52	514.155,24
Transport Authority (TA)	2.3	CALYPSO project	2011	142.722,00	140.908,00	119.771,80

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disburst	
					Total	ERDF Co-finance
Civil Protection Department (CPV)	2.3	CALYPSO project	2011	27.245,00	21.874,95	18.593,71
Armed Forces of Malta (AFM)	2.3	CALYPSO project	2011	30.405,00	19.645,15	16.698,38
ARPA Sicilia – Agenzia Regionale per la Protezione dell'Ambiente	2.3	CALYPSO project	2011	174.666,00	174.666,00	148.466,10
Istituto per l'Ambiente Marino Costiero uos di Capo Granitola, Consiglio Nazionale delle Ricerche (IAMC-CNR CAPO GRANITOLA)	2.3	CALYPSO project	2011	119.545,00	118.322,00	100.573,70
Università degli Studi di Palermo – Polo Universitario di Trapani	2.3	CALYPSO project	2011	186.590,00	182.975,33	155.529,03
UNIVERSITÀ DI CATANIA - Centro Universitario per la Tutela e Gestione degli Ambienti Naturali e degli Agro-ecosistemi (CUTGANA)	2.3	CALYPSO project	2011	75.955,00	73.306,29	62.310,35
Università di Catania – Dipartimento di Scienze Biologiche Geologiche e Ambientali	1.3	Project GARDMED	2011	219.513,00	230.587,59	195.999,45
University of Malta - Argotti Botanical Gardens	1.3	Project GARDMED	2011	212.996,00	191.233,44	162.548,42
Comune di Siracusa	1.3	Project GARDMED	2011	187.951,00	182.334,95	154.984,71
Floriana Local Council	1.3	Project GARDMED	2011	127.902,00	124.053,01	105.445,06
Provincia regionale di Ragusa	1.1	Project LITHOS	2011	322.475,04	319.207,34	271.326,24
Università degli Studi di Palermo - Dipartimento Storia e Progetto nell'Architettura	1.1	Project LITHOS	2011	188.111,00	185.530,29	157.700,75
Assessorato regionale Beni Culturali - Centro Regionale per la Progettazione e il Restauro e per le Scienze Naturali ed	1.1	Project LITHOS	2011	116.449,00	112.520,82	95.642,70

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disburst	
					Total	ERDF Co-finance
Applicate ai Beni Culturali						
Heritage Malta	1.1	Project LITHOS	2011	268.729,20	245.881,42	208.999,21
Regione Siciliana - Dipartimento Interventi Infrastrutturali in Agricoltura	2.1	Project MORISO	2011	288.610,00	286.430,48	243.465,91
Università di Catania - Dipartimento di Gestione dei Sistemi Agroalimentari e Ambientali	2.1	Project MORISO	2011	51.205,00	50.606,39	43.015,43
Centro Studi di Economia applicata all'Ingegneria - CSEI	2.1	Project MORISO	2011	139.650,00	138.340,88	117.589,75
Agenzia Regionale per la Protezione dell'Ambiente – DAP di Ragusa	2.1	Project MORISO	2011	37.240,00	32.122,47	27.304,10
Malta Resources Authority - Directorate for Water Resources Regulation Directorate for Water Resources Regulation	2.1	Project MORISO	2011	153.615,00	142.768,75	121.353,44
Water Services Corporation	2.1		2011	139.650,00	125.098,29	106.333,55
Comune di Sciacca	1.3		2011	313.644,00	313.380,47	266.373,40
Comune di Gharb	1.3	Project MORISO	2011	146.900,00	143.527,57	121.998,43
Maltese Italian Chamber of Commerce	1.3	Project OBIMED	2011	158.000,00	151.272,46	128.581,59
Comune di Castelvetro	1.3	Project OBIMED	2011	45.800,00	42.982,98	36.535,53
Malta Tourism Society	1.3	Project OBIMED	2011	34.000,00	32.573,40	27.687,39
Provincia Regionale di Siracusa	2.1	Project OBIMED	2011	446.132,00	329.594,42	280.155,26

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disburst	
					Total	ERDF Co-finance
Provincia regionale di Palermo	2.1	Project OBIMED	2011	243.620,00	166.890,47	141.856,90
Comune di Lampedusa e Linosa	2.1	PANACEA project	2011	103.784,00	52.725,34	44.816,54
Kunsill Lokali San Lawrenz	2.1	PANACEA project	2011	188.054,00	132.766,03	112.851,13
University of Malta	2.1	PANACEA project	2011	240.866,00	260.533,41	221.453,40
Istituto Regionale della Vite e del Vino	1.1	PANACEA project	2011	574.725,00	579.149,19	492.276,81
Centro Studi di Economia applicata all'Ingegneria - CSEI	1.1	PANACEA project	2011	110.300,00	114.104,36	96.988,71
University of Malta	1.1	Project ProMed	2011	198.500,00	198.428,24	168.664,00
Ministry for resources and Rural Affairs	1.1	Project ProMed	2011	342.520,00	339.111,90	288.245,12
Comune di Lampedusa e Linosa	1.1	Project ProMed	2011	15.000,00	3.194,80	2.715,58
Comune di Pantelleria	1.1	Project ProMed	2011	15.000,00	6.368,91	5.413,57
Organizzazioni Produttori Gheneb Ghall-Inbid Malta	1.1	Project ProMed	2011	114.300,00	115.177,66	97.901,01
Comune di Bivona	2.1	Project ProMed	2011	142.712,00	9.539,10	8.108,24
Legambiente Comitato Regionale Siciliano onlus	2.1	Project ProMed	2011	92.120,00	38.228,17	32.493,94
Università degli Studi di Palermo	2.1	Project REMASI	2011	115.068,00	103.662,57	88.113,18
Heritage Malta	2.1	Project REMASI	2011	115.600,00	19.941,71	16.950,45

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disburst	
					Total	ERDF Co-finance
Provincia Regionale di Ragusa	2.2	Project REMASI	2011	176.152,09	167.340,32	142.239,27
Provincia Regionale di Agrigento	2.2	Project REMASI	2011	158.843,91	134.069,86	113.959,38
Malta Resources Authority	2.2	Project RETURNS	2011	126.004,40	83.169,53	70.694,10
University of Malta - Institute for Sustainable Energy	2.2	Project RETURNS	2011	126.697,60	123.706,68	105.150,68
Ministry for Health, Elderly, and Community Care - Malta	2.3	Project RETURNS	2011	345.744,00	307.767,86	261.602,68
Azienda Sanitaria Provinciale Caltanissetta - Distretto di Gela	2.3	Project RETURNS	2011	146.873,00	79.273,93	67.382,84
Università degli Studi di Palermo - Dipartimento D.R.E.A.M.	2.3	BREATHE project	2011	121.488,00	117.398,82	99.789,00
Istituto di Biomedicina e di Immunologia Molecolare del Consiglio Nazionale delle Ricerche (IBIM-CNR)	2.3	BREATHE project	2011	250.255,00	246.737,46	209.726,84
Provincia Regionale di Agrigento - Ufficio Politiche Comunitarie	1.3	BREATHE project	2011	344.160,00	335.985,68	285.587,83
Provincia Regionale di Ragusa	1.3	BREATHE project	2011	137.650,00	121.036,99	102.881,44
Provincia Regionale di Siracusa	1.3	Project SIBIT	2011	137.650,00	102.189,69	86.861,24
Provincia Regionale di Trapani	1.3	Project SIBIT	2011	137.650,00	99.357,14	84.453,57
Provincia Regionale di Caltanissetta	1.3	Project SIBIT	2011	137.650,00	108.528,92	92.249,58
Malta Tourism Authority	1.3	Project SIBIT	2011	91.770,00	91.712,90	77.955,97
Local Council Association - Malta	1.3	Project SIBIT	2011	91.770,00	89.373,73	75.967,67
Polo Universitario Agrigento	1.3	Project SIBIT	2011	22.940,00	19.187,70	16.309,55
University of Malta - International Environment Institute	2.1	Project SIBIT	2011	413.616,00	392.965,40	334.020,59
Ministry for Gozo	2.1	Project SIBIT	2011	161.349,00	134.360,23	114.206,20

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disburst	
					Total	ERDF Co-finance
Università di Catania – Dipartimento di Biologia "Marcello La Greca"	2.1	Project SIMBIOTIC	2011	226.975,00	213.094,78	181.130,56
Comune di Pachino	2.1	Project SIMBIOTIC	2011	200.088,00	166.796,78	141.777,26
University of Malta	1.1	Project SIMBIOTIC	2011	341.087,00	337.886,64	287.203,64
CoRFiLaC - Consorzio per la Ricerca sulla Filiera Lattiero-Casearia	1.1	Project SIMBIOTIC	2011	228.010,00	222.011,49	188.709,77
Università degli Studi di Catania	1.1	Project T-CHEESIMAL	2011	205.342,00	137.901,83	117.216,56
Università di Catania - Facoltà di Architettura Siracusa	1.1	Project T-CHEESIMAL	2011	380.967,00	369.380,20	313.973,17
University of Malta	1.1	Project T-CHEESIMAL	2011	190.484,00	198.211,57	168.479,83
Confcooperative Siracusa	1.1	Project THE HUB	2011	34.633,00	25.489,53	21.666,10
Istituto Onnicomprensivo L. Pirandello	1.1	Project THE HUB	2011	86.584,00	82.494,06	70.119,95
Comune di Siracusa	1.1	Project THE HUB	2011	173.167,00	162.745,93	138.334,04
Istituto Nazionale di Geofisica e Vulcanologia, sezione di Catania	2.3	Project THE HUB	2011	205.264,00	188.000,67	159.800,57
Istituto Nazionale di Astrofisica	2.3	Project THE HUB	2011	105.565,00	104.582,41	88.895,05
Atmospheric Research Physic Department University of Malta	2.3	VAMOS project SEGURO	2011	111.429,00	111.429,00	94.714,65
Comune di Montedoro	2.3	VAMOS project SEGURO	2011	164.212,00	163.819,82	139.246,85
Provincia regionale di Trapani	2.4	VAMOS project SEGURO	2011	86.091,00	66.921,78	56.883,51
Provincia regionale di Palermo	2.4	VAMOS project SEGURO	2011	28.697,00	19.566,98	16.631,93
Comune di Palermo	2.4	Project WATER FRONT	2011	18.560,00	13.136,61	11.166,12
Università degli Studi di Palermo	2.4	Project WATER FRONT	2011	67.531,00	51.523,47	43.794,95
University of Malta	2.4	Project WATER FRONT	2011	86.091,00	84.089,83	71.476,36
ARPA SICILIA	2	Project WATER FRONT	2013	656.417,00	360.821,04	306.697,88
Consorzio Plemmirio - Area Marina Protetta	2	Project WATER FRONT	2013	218.807,00	171.514,56	145.787,38
Università Malta	2	Project BIODIVALUE	2013	218.807,00	209.670,47	178.219,90

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disburst	
					Total	ERDF Co-finance
ISPRA - Istituto Superiore per la Protezione e la Ricerca Ambientale	2	Project BIODIVALUE	2013	218.807,00	101.685,14	86.432,37
Area Marina Protetta Isole Pelagie	2	Project BIODIVALUE	2013	218.807,00	103.689,53	88.136,10
GAL XLOKK	2	Project BIODIVALUE	2013	218.807,00	132.638,25	112.742,51
Green Life soc. coop. a r.l.	2	Project BIODIVALUE	2013	218.807,00	144.929,87	123.190,39
Università degli Studi di Catania - Dipartimento di Ingegneria Industriale Meccanica	2	Project BIODIVALUE	2013	218.807,00	144.190,59	122.562,00
Regione Siciliana - Dipartimento regionale infrastrutture mobilità e trasporti	1	Project BIODIVALUE	2013	748.612,19	102.385,65	87.027,80
Collegio Universitario ARCES	1	Project BIODIVALUE	2013	499.074,80	282.229,34	239.894,94
Comune di Vittoria	1	Project STREETS	2013	249.537,40	120.741,14	102.629,97
Autorità portuale di Catania	1	Project STREETS	2013	249.537,40	75.200,30	63.920,26
Transport Malta	1	Project STREETS	2013	499.074,80	222.202,66	188.872,26
University of Malta	1	Project STREETS	2013	249.537,40	207.398,43	176.288,67
Istituto Regionale Vini & Oli di Sicilia	2	Project STREETS	2013	660.111,00	267.699,28	227.544,39
Consorzio di Ricerca per lo Sviluppo di Sistemi Innovativi Agroambientali " Co.Ri.S.S.I.A"	2	Project STREETS	2013	190.400,00	106.573,40	90.587,39
Centro Studi di Economia applicata all'Ingegneria - CSEI Catania	2	Project VIENERGY	2013	191.790,00	149.310,05	126.913,54
ABE - Alternative BioEnergy srl	2	Project VIENERGY	2013	190.850,00	169.750,82	144.288,20
Ministry for Resources and Rural Affairs	2	Project VIENERGY	2013	452.200,00	261.965,86	222.670,98
University of Malta	2	Project VIENERGY	2013	214.800,00	180.831,02	153.706,37
Transport Malta	2	Project VIENERGY	2013	825.000,00	737.230,33	626.645,78
Autorità portuale di Catania	2	Project VIENERGY	2013	500.000,00	317.420,32	269.807,27
Ministry for Transport and Infrastructure	2	PORT project PVEV	2013	750.000,00	347.152,42	295.079,56
Provincia di Caltanissetta	2	PORT project PVEV	2013	425.000,00	216.763,10	184.248,64

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disburst	
					Total	ERDF Co-finance
Dipartimento Urbanistica – Assessorato Territorio ed Ambiente della Regione Siciliana	2	PORT project PVEV	2013	657.494,10	198.842,03	169.015,73
Università degli Studi di Palermo Dipartimento dell'Energia	2	PORT project PVEV	2013	219.164,70	88.826,91	75.502,87
Consiglio Nazionale delle Ricerche Istituto di biomedicina ed immunologia molecolare "Alberto Monroy	2	CRIM project Safri	2013	219.164,70	90.607,37	77.016,26
Dipartimento dei Beni Culturali e dell'Identità Siciliana dell'Assessorato Beni Culturali e dell'Identità Siciliana della Regione Siciliana	2	CRIM project Safri	2013	219.164,70	40.977,16	34.830,59
Camera di Commercio Industria Artigianato Agricoltura di Agrigento	2	CRIM project Safri	2013	219.164,70	44.788,11	38.069,89
Malta College of Art, Science and Technology (MCAST)	2	CRIM project Safri	2013	219.164,70	128.626,29	109.332,35
Med.O.R.O. Organizzazione per la Ricerca, l'occupazione e lo sviluppo territoriale nel Mediterraneo – Società consortile a r.l.	2	CRIM project Safri	2013	219.164,70	120.410,32	102.348,77
Malta Intelligent Energy Management Agency (MIEMA)	2	CRIM project Safri	2013	219.164,70	76.539,50	65.058,58
Ministry of Health, Elderly and the Community Care	2	CRIM project Safri	2013	725.984,50	354.199,81	301.069,84
University of Malta	2	CRIM project Safri	2013	454.360,00	350.406,24	297.845,30
Università degli Studi di Palermo Polo della Provincia di Trapani	2	Project IMAGENX	2013	502.322,00	272.287,35	231.444,25
Malta Council for science & technology	2	Project IMAGENX	2013	241.116,00	137.465,97	116.846,07
Azienda ospedaliera Universitaria di Palermo - "Paolo Giaccone"	2	Project IMAGENX	2013	241.463,00	22.949,07	19.506,71
Azienda ospedaliera provinciale di Siracusa	2	Project IMAGENX	2013	241.463,00	48.283,18	41.040,70
Regione Siciliana - Presidenza - Dipartimento della Protezione Civile	2	Project IMAGENX	2013	895.352,38	233.226,13	198.242,21

Beneficiary Name	Axis	Name of Operation	Financial Year	Allocation Community contribution	Actual Amount Disburst	
					Total	ERDF Co-finance
Università degli Studi di Palermo	2	Project IMAGENX	2013	387.000,00	184.831,85	157.107,07
Università degli Studi di Catania	2	SIMIT project	2013	310.000,00	127.993,95	108.794,86
Emergency Services in Malta - Civil protection department Malta	2	SIMIT project	2013	407.219,62	32.016,80	27.214,28
University of Malta	2	SIMIT project	2013	370.000,00	243.709,60	207.153,16
Regione Siciliana, Assessorato regionale delle risorse agricole e alimentari Dipartimento interventi infrastrutturali per l'agricoltura	2	SIMIT project	2013	470.000,00	21.982,02	18.684,72
Gruppo d'azione locale GAL VAL d'Anapo	2	SIMIT project	2013	210.000,00	8.228,48	6.994,21
Comune di Mellieha	2	PIM project ENERGETHICA	2013	210.000,00	4.360,77	3.706,65
Local Councils' Association	2	PIM project ENERGETHICA	2013	150.000,00	11.270,72	9.580,11

7. OP Results

In accordance with the recommendations of the Ares (2014)5810 notes dated 06/01/2014 and Ares (2014)428582 dated 20/02/2014 of the European Commission, containing indications about the compilation of the Annual Implementation Report 2013, the present chapter synthetically accounts the most important results achieved to date by the Program and its benefits for the cooperation area, giving evidence of all this through some of the achievement and the result indicators already thoroughly analyzed in paragraphs 3.1 and 3.2 of the present AIR.

During 2014, the Cross Border Cooperation Programme Italia Malta 2007-2013 showed further results mainly during the implementation phase of strategic projects.

In this section the results of two of the seven strategic projects, funded by Italia Malta 2007-2013 (projects and VIENERGY PORT PVEV) will be considered, as these are the only projects in which the level of implementation as at 31/12/2014 is at a stage which permits an evaluation of the results, and of the impacts affecting the area of cooperation and the benefit to the people involved.

In the closing report of the program reference will be given to other strategic projects as well as an overall assessment of the 24 projects funded under the programme in terms of results and impacts will be given.

The main results of which is reported within this AIR can be summarized with the priority theme of renewable energy and waste treatment. In particular:

1. Adoption of innovative management aimed at reducing energy consumption and the promotion of proper waste management
2. Innovative interventions, with experimental character / joint implementation of energy savings in buildings and public facilities

Adoption of innovative management aimed at reducing energy consumption and the promotion of proper waste management

What, in your opinion, what has your program Achieved?

Through the project VIENERGY, the program has shown that it is possible to reduce the dependence of a winemaking cellar from traditional energy sources to develop new technologies for the reuse of by-products related to the production cycle of the winery itself. In particular, the following results were achieved:

- Qualitative improvement of the waste water in an experimental winery through the construction of a constructed wetland
- Identification of the potential possibility for extraction of polyphenols from waste products of some varieties of indigenous and international grapes grown in Sicily and Malta, in order to assess the possible use in the pharmaceutical, nutraceutical and cosmetic industry
- Elimination of harmful emissions of diesel fueled engines by mixing ethanol with the diesel fuel by using an additive originating from plants structured with a chemical procedure developed ad hoc
- Re-use, at the end of the life cycle in the cellar, the CO₂ produced in the manufacturing process of the grapes through the construction of a plant uptake. Identification of alternative forms of income to wineries through the use of Photo-bioerattori that convert CO₂ into algal mass of interest in the pharmaceutical, cosmetic and food sector
- The production of chilled water to be used during the fermentation process for cooling the fermenter through the testing of two solar cooling systems.

Who has benefitted?

The cellars involved have experienced the use of pomace and shoots for the production of electrical energy, thereby satisfying the energy needs of the wineries involved. In the implementation phase of the project all farms contacted have indicated their interest in the construction of a constructed wetland which is similar to

tests performed. Local authorities of the territories concerned by the initiative project have opted for the adoption of innovative instruments which are eco-compatible and these are visible by the implementation of a constructed wetland.

At the end of the analysis phase on the extraction of polyphenols from a waste product, the data acquired has been of interest to both the growers and for the wineries in terms of creating additional components of income on the market for the pharmaceutical, nutraceutical and cosmetic industries in consideration that the polyphenols are some good agents that fight the aging not only of the skin, but of the whole organism. The innovative technology related to the use of bioethanol has been successfully tested on the means of school transport and therefore in future it is possible to be extended to the urban transport of the Sicilian and Maltese cities.

Through the capture and storage of carbon dioxide produced the winery owners will evaluate possible forms of economic exploitation of waste processes in the cellar.

What evidence do you have for your achievements?

With reference to the reduction of the dependence on traditional energy sources it was estimated that approximately 69,660 hectares of planted areas with vines as far as the province of Trapani, including Egadi and Pantelleria, and about 16,000 hectares in the province of Palermo, while the investigated Maltese vineyard was slightly higher than 600 hectares. These territories were subjected to characterization of residual biomass and a sample of the same was then subjected to a compression process, thus obtaining the so-called Agripellet, which is usable for the production of heat inside of biomass boilers.

With reference to the treatment of waste water, the construction of wetlands in a pilot scale, resulted in a qualitative improvement of about 1/3 of the waste water from the cellar in subject used for the experimentation. Such waters, prior to the implementation of the experiment, were scattered on the soil by implantation of subirrigation while, at present, they are used for the irrigation of a green area of about 1,000 m² adjacent to the plant itself, resulting in an increase of about 1% of the area irrigated by the company.

The experimental investigations have shown that the system of constructed wetlands has been able to produce a higher percentage of samples compatible with both the quality standards dictated by the Legislative Decree. N. 152/2006 (in line with the Directive 2001/42 / EC) for discharging water into artificial structures and with those, more restrictive, provided by DM n. 185/2003 for the reuse of wastewater for irrigation.

With reference to the recovery of substances of pharmaceutical interest it was quantified the content of polyphenols in the branches during winter pruning, leaves and grapes during the different stages of maturity, and furthermore also in musts and in wastewater cellars. A common protocol for sampling was identified along with the preparation of samples for analysis which showed the level of accumulation of anthocyanins and total flavonoids both in relation to the variety and the type of sample (grape, leaf or branch) in relation to different times of sampling. With regard to the waste water it was estimated a content of about 120 mg of polyphenols per liter of water, which is potentially very high if one considers the consumption of water within a cellar.

With reference to the reduction of harmful emissions, the project has worked with the Joint Research Center of the European Commission, it the use of mixtures of ethanol-diesel engines of buses, both in Malta and in Sicily was tested. The JRC has taken steps to installing equipment for the measuring of emissions and engine performance on a public means of transport. The results obtained showed in some tests that you can significantly reduce emissions of particulate matter in percentages that can be up to 30% and that this solution in urban areas could profoundly improve the cleanliness of the air.

With reference to the recovery of CO₂ fermentation, a liter of must in fermentation produces about 90 grams of carbon dioxide. This gas, according to the neutral environmental balance, had never been considered as a usable resource for the benefit of the cellars.

The carbon dioxide captured was subjected to analysis, and confirmed the expectations about the possibility of reusing it directly due to its high degree of purity. This was immediately reusable for other purposes such as the reuse in the life cycle of the winery itself, the production of carbonates and bicarbonates to be reused for

re-composition of the salts in water foods obtained in the process of desalination and the use as an additive in soft drinks or as a raw material in the food industry.

Innovative interventions, with experimental character / joint implementation of energy savings in buildings and public facilities

What, in your opinion, has your programme achieved?

Through the project PORT PVEV, the program has shown that it is possible to boost economic growth while reducing carbon emissions and dependence on non-renewable energy in port operations

This result was measured in terms of total kW of energy produced from sustainable sources or an average annual 260.735kWh generated by renewable solar energy

Who has benefitted?

PORT PVEV interventions have contributed to the reduction of carbon emissions and improving air quality, in particular thanks to the removal of combustion vehicles used in port operations, replaced with zero-emission vehicles. The direct beneficiaries are the people who now, thanks to the project, breathe cleaner air, as well as people who can use the services introduced and made available by the project actions, such as e-bike sharing stations and for the energy supply for electric cars.

The beneficiaries of the project PORT-PVEV include:

554 employees of Transport Malta

2,229 employees of the port of Catania

454 employees of the city of Gela

52,995 residents inside the demonstration in Malta

58,187 residents inside the demonstration in Catania

76,826 residents inside the demonstration in Gela

1882315 passenger ferry between Malta and Gozo

154,770 passenger ferry in the port of Catania

1,520,828 tourists visiting Valletta

364,097 tourists visiting Catania

63,254 tourists visiting Gela / Caltanissetta

What evidence do you have for achievements?

The energy produced by the project is generated through the following media.

Photovoltaic panels at Transport Malta: The area covered by the photovoltaic panel is 1,290 square meters and the estimated production per year is 189.240kWh, corresponding to $1.660\text{kWh} / \text{kWp} * 114\text{kWp}$.

Car Solar canopies in Malta: The total area covered by photovoltaic panels for the three canopies is 216 m² (3 X 72 m²). Each canopy produces $11.25\text{kWp} * 1,460\text{kWh} / \text{kWp} = 16,425\text{kWh} / \text{year} * 3 \text{ sheds} = 49.275 \text{ kWh} / \text{year}$.

Solar roofs for cars to Catania: The total area covered with photovoltaic modules for the two canopies is of 39.96 m² (3.3 X 6.6 m²). All canopies produce 6.00kWp * 1,550kWh / kWp = 9,290kWh / year.

Bicycle Solar Shed 1 in Catania: The total area covered with photovoltaic modules for the roof is 19,998 m² (3.3 X 6.6 m²). The canopy produces 3.00kWp * 1,540kWh / kWp = 4,610kWh / year.

Bicycle Solar Shed 2 in Catania: The total area covered by the photovoltaic modules to the shed is of 19,998 m² (3.3 X 6.6 m²). The shed 2 produces 3.00kWp * 1,310kWh / kWp = 3,940kWh / year.

Bicycle Solar Shed 2 in Catania: The total area covered by the photovoltaic modules to the shed is of 19,998 m² (3.3 X 6.6 m²). The shed 2 produces 3.00kWp * 1,450kWh / kWp = 4,340kWh / year