

Deliverable 1.2.7 - Seventh Financial Report including financial reporting for each WP/activity and for each partner, analysis of critical financial-administrative aspects and proposed solutions to solve possible deviation from the original plan in the reference period

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Note:	At the time of the proposal this report was thought as the result of the management and coordination activities necessary to report the project financial progresses. The same content has been requested by the MUR to be reported directly on the monitoring platform GEA. Therefore, this deliverable was prepared by the Coordination Office after the reporting of bimester B7 on GEA.

IR0000032 – ITINERIS, Italian Integrated Environmental Research Infrastructures System -
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Mission 4 “Education and Research” - Component 2: “From research to business” -
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infrastructures”

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1. Introduction

This report provides a comprehensive overview of the ITINERIS project's financial progress achieved during the seventh bimester.

The detailed expenses incurred during this period (from 01/11/2023 to 31/12/2023) are outlined in Chapter 2. This information aligns with the reimbursement request submitted on the GEA platform.

Chapter 3 presents a summary of the total financial progress made since the project's start.

Chapter 4 provides a brief overview of the project's administrative and financial status.

2. Expenses reported in the bimester B7

The details of expenses shown/costs accrued by the project participants in the bimester B7 and included in the fourth requests for reimbursement are reported in the following tables.

Request ID: IR0000032_DDR7
Reference period: B7
Total amount: 3.630.895,72 €
VAT: 362.502,97 €

Table 1- Expenses reported in B7 - by implementing entity

Implementing entity	Operating Unit	Total amount (incl. VAT) €
Consiglio Nazionale delle Ricerche	CNR-IBBA	8.686,26
	CNR-IBBRBA	21.763,80
	CNR-IBBRNA	97.168,93
	CNR-IBE	37.040,19
	CNR-IGG	244.747,52
	CNR-IMAA	355.897,83
	CNR-IPSPFI	156.457,54
	CNR-IREA	10.416,45
	CNR-IRETFI	303.102,58
	CNR-IRETLE	131.565,06
	CNR-IRETRM	301.205,39
	CNR-IRSA	23.352,75
	CNR-ISACBO	182.732,13
	CNR-ISACLE	268.583,61

Implementing entity	Operating Unit	Total amount (incl. VAT) €
	CNR-ISACT	61.571,01
	CNRISMARBO	38.238,59
	CNRISMARNA	28.854,69
	CNRISMARRM	35.357,08
	CNRISMARSP	11.073,43
	CNRISMARVE	56.772,06
	CNR-ISP-BO	54.257,56
	CNR-ISP-ME	17.301,90
	Total	2.446.146,36
INFN - Istituto Nazionale di Fisica Nucleare	INFN - BA	3.495,69
	INFN - FI	282.299,88
	INFN - GE	106.565,58
	INFN - LNS	18.608,37
	Total	410.969,52
INGV - Istituto Nazionale di Geofisica e Vulcanologia	INGV-BO	10.098,66
	Total	10.098,66
OGS - Istituto Nazionale di Oceanografia e di Geofisica Sperimentale	OGS_CGN	8.368,47
	OGS_GEO	36.632,78
	OGS_OCE	75.115,35
	Total	120.116,60
UNIFI-Università degli Studi di Firenze	UNIFI-CPC	242.826,40
	UNIFIDAGRI	89.473,40
	UNIFI-SMA	122.626,39
	Total	454.926,19
UNIVE-Università Cà Foscari Venezia	UNIVE-DAIS	188.638,39
	Total	188.638,39
Total		3.630.895,72

Table 2 - Expenses reported in B7 - details

<i>WP</i>	<i>Activity</i>	<i>Operating Unit</i>	<i>a. Fixed term personnel specifically hired for the project</i>	<i>b. Scientific instrumentation and technological equipment, software licenses and patent</i>	<i>f. Training activities</i>	<i>e. Indirect costs, including running costs</i>	<i>Total amount (incl. VAT) €</i>
WP1 - Coordination and Management	1.1	CNR-IMAA	42.584,24	47.580,00		6.205,36	96.369,60
	1.2	CNR-IMAA	10.186,00			713,02	10.899,02
WP2 - Access to facilities, fair data and related services	2.1	CNR-IMAA	7.425,00			519,75	7.944,75
	2.2	CNR-IMAA	8.382,00			586,74	8.968,74
	2.3	CNR-IRETLE	30.195,00			2.113,65	32.308,65
	2.4	CNR-IRETLE	41.052,00			2.873,64	43.925,64
WP3 - ITINERIS Training Programme	3.1	CNR-IRETLE	18.414,00			1.288,98	19.702,98
	3.3	CNR-IRETRM	14.355,00			1.004,85	15.359,85
	3.4	CNRISMARVE	5.676,00			397,32	6.073,32
	3.5	CNR-IGG	9.933,00			695,31	10.628,31
	3.7	CNR-IRETRM			134.611,56	9.422,81	144.034,37
WP4 - Atmosphere	4.1	CNR-IMAA	17.105,00		21.660,58	1.197,35	39.962,93
	4.10	UNIVE-DAIS	13.764,00	162.533,56		12.340,83	188.638,39
	4.11	CNR-IMAA	18.278,00			1.279,46	19.557,46
	4.12	CNR-ISACLE	15.807,00		64.981,74	5.655,21	86.443,95
	4.13	INFN - GE	9.009,00			630,63	9.639,63
	4.14	CNR-ISACBO	35.838,00	67.099,39		7.205,62	110.143,01
	4.15	CNR-IMAA	8.646,00			605,22	9.251,22
	4.16	CNR-ISACLT	9.207,00		24.168,00	2.336,25	35.711,25
	4.2	CNR-ISACBO	20.559,00	23.950,97	23.330,33	4.748,82	72.589,12
	4.3	CNR-ISACLT			24.168,00	1.691,76	25.859,76
	4.4	CNR-ISACLE	8.019,00	162.204,98		11.915,68	182.139,66
	4.6	CNRISMARRM	5.907,00			413,49	6.320,49
	4.7	CNR-ISP-BO	14.718,00	35.990,00		3.549,56	54.257,56
	4.8	INFN - FI		242.170,00	21.661,66	18.468,22	282.299,88
	4.9	INFN - GE		90.585,00		6.340,95	96.925,95
WP5 - Marine Domain	5.1	CNRISMARVE	16.368,00			1.145,76	17.513,76
	5.10	CNRISMARRM	27.137,00			1.899,59	29.036,59
	5.11	OGS_OCE	15.081,00			1.055,67	16.136,67
	5.12	CNRISMARBO	4.554,00			318,78	4.872,78
	5.14	CNR-ISP-ME	16.170,00			1.131,90	17.301,90
	5.15	OGS_CGN	7.821,00			547,47	8.368,47

WP	Activity	Operating Unit	a. Fixed term personnel specifically hired for the project	b. Scientific instrumentation and technological equipment, software licenses and patent	f. Training activities	e. Indirect costs, including running costs	Total amount (incl. VAT) €
	5.16	CNRISMARNA	6.369,00			445,83	6.814,83
	5.18	OGS_OCE	17.028,00			1.191,96	18.219,96
	5.19	CNRISMARVE	12.177,00			852,39	13.029,39
	5.2	CNRISMARNA	4.263,00			298,41	4.561,41
	5.20	OGS_OCE	7.821,00			547,47	8.368,47
	5.21	CNRISMARNA	16.335,00			1.143,45	17.478,45
	5.3	OGS_OCE	3.277,00			229,39	3.506,39
	5.4	INGV-BO	9.438,00			660,66	10.098,66
	5.7	INFN - LNS	17.391,00			1.217,37	18.608,37
	5.9	CNRISMARSP	10.349,00			724,43	11.073,43
WP6 - Terrestrial Biosphere	6.1	CNR-IRETRM	30.005,00		69.990,80	6.999,71	106.995,51
	6.10	CNR-IPSPFI		119.987,00		8.399,09	128.386,09
	6.11	CNR-IBBRNA	8.448,00	67.910,08		5.345,07	81.703,15
	6.12	CNR-IBBA	8.118,00			568,26	8.686,26
	6.14	INFN - BA	3.267,00			228,69	3.495,69
	6.15	CNR-IGG	9.603,00			672,21	10.275,21
	6.16	CNR-IRETRM	8.547,00			598,29	9.145,29
	6.17	CNR-IRETLE	24.189,00			1.693,23	25.882,23
	6.18	CNR-IPSPFI	26.235,00			1.836,45	28.071,45
	6.19	CNR-IBBRNA	14.454,00			1.011,78	15.465,78
	6.2	UNIFIDAGRI	6.882,00	76.738,00		5.853,40	89.473,40
	6.20	CNR-IBE	17.787,00			1.245,09	19.032,09
	6.3	CNR-IRETFI	18.299,00	251.114,44		18.858,94	288.272,38
	6.4	UNIFI-SMA	21.576,00	89.688,54	3.339,56	8.022,29	122.626,39
	6.5	CNR-IBBRBA		20.340,00		1.423,80	21.763,80
	6.6	CNRISMARVE	18.837,00			1.318,59	20.155,59
	6.7	CNR-IRSA	21.825,00			1.527,75	23.352,75
	6.8	CNR-IBE	16.830,00			1.178,10	18.008,10
	WP7 - Geosphere/Landsurface	7.1	CNRISMARBO	24.717,00	6.466,00		2.182,81
7.4		CNR-IMAA	16.137,00	17.885,20	23.330,00	4.014,65	61.366,85
7.5		CNR-IREA	9.735,00			681,45	10.416,45
7.6		UNIFI-CPC	5.208,00	221.732,56		15.885,84	242.826,40
7.8		OGS_GEO		34.236,24		2.396,54	36.632,78

WP	Activity	Operating Unit	a. Fixed term personnel specifically hired for the project	b. Scientific instrumentation and technological equipment, software licenses and patent	f. Training activities	e. Indirect costs, including running costs	Total amount (incl. VAT) €
WP8 - Virtual Research Environments and Cross-disciplinary Activities	8.1	CNR-IGG	24.651,00	153.100,00		12.442,57	190.193,57
	8.2	CNR-IRETLE	9.108,00			637,56	9.745,56
	8.3	CNR-IRETFI	13.860,00			970,20	14.830,20
	8.5	CNR-IMAA		94.932,02		6.645,24	101.577,26
	8.6	CNR-IRETRM	23.991,00			1.679,37	25.670,37
	8.8	OGS_OCE		26.994,26		1.889,60	28.883,86
	8.9	CNR-IGG	31.449,00			2.201,43	33.650,43
Total			970.396,24	2.013.238,24	411.242,23	236.019,00	3.630.895,72

3. Financial report

The overview of the total financial progresses realized from the beginning of the project and reported to MUR through the relevant requests for reimbursement is provided in the following tables, with an insight into the implementing entities, the work packages and the cost items.

Table 3 - Financial progress by Implementing Entity

Total amount (incl. VAT) €								
Implementing Entity	B1	B2	B3	B4	B5	B6	B7	TOTAL
Consiglio Nazionale delle Ricerche				565.915,51	1.309.179,09	1.617.670,82	2.446.146,36	5.938.911,78
UNIFI - Università degli Studi di Firenze		9.046,38	295.208,25	39.231,08	189.333,41	171.430,65	454.926,19	1.159.175,95
INGV - Istituto Nazionale di Geofisica e Vulcanologia						12.676,29	10.098,66	22.774,95
UNIVE - Università Ca' Foscari Venezia	8.065,29	28.175,38	92.607,26	19.547,08	16.720,56*	115.710,53	188.638,39	469.464,49

Total amount (incl. VAT) €								
Implementing Entity	B1	B2	B3	B4	B5	B6	B7	TOTAL
INFN - Istituto Nazionale di Fisica Nucleare				27.187,75	142.448,53	54.472,04	410.969,52	635.077,84
OGS - Istituto Nazionale di Oceanografia e di Geofisica Sperimentale						21.186,00	120.116,60	141.302,60
TOTAL	8.065,29	37.221,76	387.815,51	651.881,42	1.657.681,59	1.993.146,33	3.630.895,72	8.366.707,62

* Following the reopening of DDR5, UNIVE has updated its reporting

Table 4 - Financial progress by Work Package

Total amount (incl. VAT) €								
Work package	B1	B2	B3	B4	B5	B6	B7	TOTAL
WP1 - Coordination and Management				71.190,31	64.849,49	66.487,66	105.752,38	308.279,84
WP2 - Access to facilities, fair data and related services				88.133,76	79.588,74	96.537,54	93.147,78	357.407,82
WP3 - ITINERIS Training Programme				61.474,71	291.412,21	65.641,29	195.798,83	614.327,04
WP4 - Atmosphere	8.065,29	28.175,38	92.607,26	152.785,74	325.182,27	349.717,48	1.221.256,50	2.177.789,92
WP5 - Marine Domain				14.936,13	231.493,93	397.271,55	204.989,53	848.691,14
WP6 - Terrestrial Biosphere		9.046,38	12.197,53	156.437,81	360.150,84	457.967,82	1.020.791,15	2.016.591,53
WP7 - Geosphere/Landsurface			283.010,72	29.841,23	201.898,91	203.845,36	384.608,29	1.103.204,51

Total amount (incl. VAT) €								
Work package	B1	B2	B3	B4	B5	B6	B7	TOTAL
WP8 - Virtual Research Environments and Cross-disciplinary Activities				77.081,73	103.105,20	355.677,63	404.551,25	940.415,81
Total	8.065,29	37.221,76	387.815,51	651.881,42	1.657.681,59	1.993.146,33	3.630.895,72	8.366.707,62

Table 5 - Financial progress by cost item

Total amount (incl. VAT) €						
Bimestre	a. Fixed term personnel specifically hired for the project	b. Scientific instrumentation and technological equipment, software licenses and patent	c. Open Access, Trans National Access, FAIR principle implementation	e. Indirect costs, including running costs	f. Training activities	Total
01	7.537,65			527,64		8.065,29
02	16.533,85	14.913,28		2.435,07	3.339,56	37.221,76
03	26.144,88	332.959,96		25.371,11	3.339,56	387.815,51
04	603.058,30	2.837,11		42.646,45	3.339,56	651.881,42
05	793.734,00	489.985,26	12.486,46	108.446,46	253.029,41	1.657.681,59
06	1.095.526,00	715.103,70	5.463,16	130.392,75	46.660,72	1.993.146,33
07	968.880,00	2.013.238,24		237.535,24	411.242,23	3.630.895,72
Total	3.512.930,92	3.569.037,55	17.949,62	545.838,47	720.951,04	8.366.707,62

4. Analysis of critical financial administrative aspects and proposed solutions

This section outlines the key financial and administrative aspects that emerged during the 7th bimester.

It also highlights the specific difficulties encountered in the execution of recruitment and purchasing procedures and the strategies adapted to ensure the project's continued progress and alignment with its objectives after the first year of the project. For example :

- Delays in purchasing and recruitment plans due to awaiting implementation guidelines.
- Difficulties identifying suitable fixed-term personnel and PhD candidates.
- A new Public Procurement Code (Legislative Decree 36, effective July 1, 2023), requiring significant administrative adaptation.
- Extensive and intricate documentation from EU and non-EU suppliers, slowing procurement and demanding additional resources.
- Market price increases and the evolving international landscape and challenges in sourcing raw materials and components, necessitating adjustments to purchasing plans.
- High volume of supplier participation overwhelming the selection process.
- Challenges in interpreting and completing mandatory declarations (e.g., DNSH regulations), delaying procurement and requiring additional support.
- Etc.

To cope with these challenges the implementing entities adopted a series of adaptive measures grounded in careful risk management and a deep understanding of applicable regulations. Enhanced coordination and communication were prioritized by the coordination office of the project through regular meetings and transparent channels, ensuring alignment among partners and timely issue resolution. Advanced project management tools were adopted to improve efficiency and transparency, enabling real-time tracking of progress, budget, and risks for proactive decision-making. Detailed guidance on DNSH declarations and other documentation was provided, streamlining procurement processes and reducing delays. In response to market price increases, thorough budget reviews and adjustments were conducted to maintain financial stability without compromising project objectives. Some adjustments were also considered in the task organizations and tenders' preparation to ensure compliance with the project rules and achieve desired outcomes. Finally, a new timeline for the identification of awardee to subsequent bimesters was prepared.

These strategies collectively ensured adaptability in the face of complex challenges and the project's steady progress in the 7th bimester, with the preparatory activities for initiating purchasing procedures started, thus ensuring that the expected progress in the procedural performance indicators (e.g. signing of the decision to enter into the contract) will be achieved in the coming months without affecting the technical implementation of the activities in the WPs.

As regards the selection procedures, the majority of anticipated contracts have been concluded with researchers, technologists, and technicians employed at the partners' Operational Units (OUs). Specifically, 145 individuals have been recruited to date, with 26 contracts finalized during the two-month period. It is also noted that 5 personnel have resigned to date, none of which occurred during the current bimester.

Additionally, 44 PhD positions have been initiated, with 14 commencing their activities within the bimester.

In terms of budget, significant progress has been achieved across all relevant work packages (WPs), with purchasing procedures for goods/services/works/PhD published during the two-month period totaling approximately 26 M€. Additionally, procedures valued at approximately 21 M€ have been awarded, particularly in the cost category "Scientific instrumentation and technological equipment, software licenses, and patents.

A significant increase in overall expenditure was observed due to steady progress across all WPs. This increase was primarily driven by rising costs in personnel and scientific instrumentation, coupled with substantial advancements made by the CNR. All implementing entities reported expenditures that were verified and confirmed as compliant with the eligibility criteria specified in the Reporting Guidelines.