



# NO MICROPLASTICS, JUST WAVES.

## 2nd Annual Report

01/10/2020 – 30/09/2021

ACTION E.2



BENEFICIARIO COORDINATORE



BENEFICIARI ASSOCIATI



PROGETTO COPFINANZIATO DA





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BENEFICIARIO COORDINATORE



BENEFICIARI ASSOCIATI



Autorità di Bacino  
Distrettuale  
dell'Appennino Centrale



Arpa  
UMBRIA  
Agenzia Regionale  
per la Protezione  
Ambientale dell'Umbria



ENEA  
AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE,  
L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE



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## Executive Summary

The project officially started on 1st October 2019. During the first two years of implementation, all the project actions have started with the exception for action B.4 which will start in October 2021. No major problems emerged during the first 24 months. The main management structures are currently smoothly ongoing, including the Steering and Executive committees and the main WGs (communication, scientific, etc.).

As described in the first Annual Monitoring Report, actions A1, A2 and A3 ended with the preparation of three deliverables: an Executive Action Plan of activities, the carrying out of a Survey on Best Practices and the elaboration of the Communication Plan.

All the seven core actions (actions B1 – B7) are currently in progress, with the only exception of Action B4 and they will be accomplished by the end of the project, as well as the two actions devoted at the monitoring of the project impact (actions C1 and C2) and the three communication actions (actions D1, D2 and D3). Finally, the project foresees the implementation of two actions designed to project monitoring (actions E1 and E2) which have already started. The project's activities are proceeding without relevant problems also if some of them are slightly late to respect the expected deadline. Anyway, this delay does not affect the project working plan which is still valid. The limitations imposed by the sanitary emergency due to the Covid-19 had a significant impact on the timing of some activities, especially those addressed to involvement of citizens that foreseen organization of live meetings and public events (i.e., actions B1, B5, B6, D1 and D2), as well as the activities related to monitoring and sampling campaigns in treatment plants (i.e., actions B2 and B3). However, this delay was partially recovered during the last months. In the next section all the ongoing actions will be described separately.

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Life Blue Lakes									
Action	Name	Status of products	% achieved	% time	Starting date	Real or estimated ending date	Activity delay indicator (1 - low 2 - high)	Delay	Notes
<b>A. A. PREPARATORY ACTIONS</b>									
A.1	A.1 Executive Action Plan	100%	100%	100%	1/10/2019	31/3/2020	0	0	
A.2	A.2 Research and analysis of best practices	100%	100%	100%	1/10/2019	30/6/2020	0	0	
A.3	A.3 Communication Strategy	100%	100%	100%	1/10/2019	30/6/2020	0	0	
<b>B. B. CORE ACTIONS</b>									
B.1	B.1 Campaign for local authorities and stakeholders	26%	53%	67%	1/1/2020	30/9/2023	1	0	
B.2	B.2 Monitoring protocol: Pilot on Trasimeno and Bracciano Lakes	43%	63%	100%	1/10/2019	30/6/2022	0	0	
B.3	B.3 Technical Protocol for Urban Water Service Infrastructure. Pilot on Garda Lake	70%	79%	91%	1/4/2020	30/9/2022	1	0	
B.4	B.4 Training for Sewage Treatment Plants (STP) operators	0%	13%	39%	1/10/2021	30/9/2023	0	0	
B.5	B.5 Campaign for cosmetic / outdoor clothing / rubber tyres production companies	276%	67%	85%	1/10/2019	31/12/2022	0	0	
B.6	B.6 Working Panel	36%	36%	67%	1/1/2020	30/9/2023	0	0	
B.7	B.7 International advocacy and capacity building on micro plastics in fresh water systems	33%	60%	84%	1/1/2020	31/12/2022	0	0	
<b>C. C. IMPACT MONITORING ACTIONS</b>									
C.1	C.1 Monitoring of project impact	3%	40%	65%	1/4/2020	30/9/2023	0	0	
C.2	C.2 Socio economic impact	33%	76%	69%	1/10/2019	30/9/2023	0	0	
<b>D. D. COMUNICATION AND DISSEMINATION ACTIONS</b>									
D.1	D.1 Project branding and communication activities	95%	77%	69%	1/10/2019	30/9/2023	0	0	
D.2	D.2 Awareness campaign	50%	58%	90%	1/7/2020	30/9/2022	0	0	
D.3	D.3 Networking and replicability	75%	60%	70%	1/4/2020	30/6/2023	0	0	
<b>E. E. MANAGEMENT AND MONITORING ACTIONS</b>									
E.1	E.1 Project management	47%	59%	69%	1/10/2019	30/9/2023	0	0	
E.2	E.2 Monitoring of the project progress and KPI	50%	200%	69%	1/10/2019	30/9/2023	0	0	

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## B.1 Campaign for local authorities and stakeholders.

This action started in January 2020 and is currently ongoing; however, it suffered from some delay due to the Covid-19 emergency and the beginning of the lockdown in Italy which happened in March 2020. This situation delayed the start of the selection process for the professional facilitators that should have led the participatory process (PP) in Italy.

The preliminary version of the Lake Paper, shared between Italian and German partners, was delivered in May 2020. In Italy, the preliminary, initial and central phases of the PP were concluded for the three lakes, while the final phase is ongoing. The final Lake Papers for the targeted Italian Lakes was delivered between June and September 2021. During the reporting period, 17 stakeholders from 2 Lakes (Trasimeno and Garda) have formally adopted the Lake Paper, 1 of which is a municipality. In Germany, the preliminary Lakes Papers for Lake Constance and Lake Chiemsee were presented to the local communities on occasion of specific “Round tables” (May 2021) which offered the opportunity to have an exchange at eye level for the participants from different points of views. The second (and last) round table event is planned to be held in November 2021. The activities for the promotion of the Lake Paper to other Italian and German Lakes communities are started in both countries.

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## B.1 Campaign for local authorities and stakeholders

<b>Starting date</b>		1/1/2020									
<b>Original expected end date:</b>		30/9/2023								<b>Last update:</b> 31/09/2021	
<b>Planned expected end date:</b>		30/9/2023								<b>RESPONSIBLE PARTNER:</b> LEGAMBIENTE	
<b>Total months:</b>		45									
										<b>1</b>	Activity delay indicator
26%	<b>ACTION PROGRESS STATUS</b>			53%			0	Delay			
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note		
100%	D	Draft Lake Paper	1	1	100%	30/4/2020	31/5/2020	1			
100%	M	Start of PP - Preliminary phase	1	1	100%	30/4/2020	15/10/2020	6			
100%	M	Start of PP - Initial phase	1	1	100%	30/6/2020	22/2/2021	8			
100%	M	Start of PP - Central phase	1	1	100%	30/9/2020	19/5/2021	8			
100%	M	Start of PP - Final phase	1	1	100%	31/1/2021	20/7/2021	6			
100%	D	Final Lake Paper Trasimeno	1	1	100%	30/4/2021	28/6/2021	2			
100%	D	Final Lake Paper Bracciano	1	1	100%	30/4/2021	15/9/2021	5			
100%	D	Final Lake Paper Garda	1	1	100%	30/4/2021	13/7/2021	2			
100%	D	Final Lake Paper LAke Constance	1	1	100%	30/4/2021	16/2/2022	10			
100%	D	Final Lake Paper LAke Chiemsee	1	1	100%	30/4/2021	16/2/2022	10			
0%	M	Conference in Garda Lake	1	0	0%	31/07/2021	31/07/2021	0			
0%	M	Conference in Trasimeno Lake	1	0	0%	31/07/2021	31/07/2021	0			
0%	M	Conference in Bracciano Lake	1	0	0%	31/07/2021	31/07/2021	0			
0%		Start of the 2021 itinerant campaign at additional lake communities	1	0	0%	31/07/2021	31/07/2021	0			
0%	M	Round tables at Lake Constance and at Chiemsee	2	0	0%	31/07/2021	31/07/2021	0			
0%		Start of the 2022 itinerant campaign at additional lake communities	1	0	0%	30/06/2022	01/07/2022	0			
0%		Start of the 2023 itinerant campaign at additional lake communities	1	0	0%	30/06/2023	30/06/2023	0			
5%		Adoption ok Lake Paper by 20 municipalities	20	1	15%	30/09/2023	30/09/2023				
0%	M	Final Conference	1	0	0%	31/10/2023	30/09/2023	-1			
<b>TOTAL</b>			<b>38</b>	<b>10</b>							

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## B.2 Monitoring protocol: Pilot on Trasimeno and Bracciano Lakes.

This action is regularly proceeding notwithstanding an initial delay due the Covid-19 pandemic crisis. The implemented activities can be split into 4 subsequent phases:

1. Preliminary survey and monitoring design
2. Field monitoring operations
3. Laboratory activities
4. Data management

The analysis of the samples collected in the first year of seasonal monitoring is still ongoing. The first results on the MPs concentration have highlighted some differences in the filtration capacity of the two nets, the necessity to evaluate a different time of sampling, the importance of seasonal variability in the different distribution and abundance of MPs in transects.

To test MP Monitoring Protocol developed in the Blue Lakes and expand the area of intervention of the project, it is proposed to also include the Piediluco lake in the monitoring activities.

B.2 Monitoring protocol: Pilot on Trasimeno and Bracciano Lakes									
Starting date		1/10/2019						Last update: 31/09/2021	
Original expected end date:		30/6/2022						RESPONSIBLE PARTNER: ENEA	
Planned expected end date:		30/6/2022							
Total months:		33							
								0	
								Activity delay indicator	
43%		ACTION PROGRESS STATUS				63%		0	
								Delay	
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%	M	Characterization of sites and criteria for the selection of sampling transect	1	1	100%	1/3/2020	1/4/2020	1	
100%	D	Technical data sheet of single phases	1	1	100%	1/3/2020	5/5/2020	2	
100%	M	Validation of operating procedures	1	1	100%	1/3/2021	01/09/2021	6	
0%	D	Monitoring Protocol	1	0	80%	31/5/2021	30/11/2021	6	
0%	M	Technical report: two years of lake monitoring activities	1	0	0%	31/10/2022	31/10/2022	0	
0%		Organization and realization of the three-day training course on lake microplastic monitoring protocol microplastic monitoring in Polvese Island (Trasimeno lake)	1	0	0%	30/6/2022	30/6/2022	0	
0%		Dissemination seminars to relevant authorities	1	0	0%		31/05/2023		
TOTALE			7	3					

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### B.3 Technical Protocol for Urban Water Service Infrastructure. Pilot on Garda Lake.

This action is ongoing but, as already stated for the Action B.2, it has encountered some delays due to the sanitary emergency. However, these delays were partially recovered during the year 2021, according to water utilities internal procedures and restrictions.

The sampling campaigns for DWTPs were concluded in September 2021 and the “Technical report and operative manual regarding the improvement of the treatment process” (DB3.1) was delivered. First results on MPs concentration in the different treatment units of DWTPs show: 1) the importance of the filtered amounts, 2) the seasonal variability in terms of MPs concentration and 3) the MPs removal efficiencies achieved by the treatment processes. Also, similar evidence was detected for WWTPs. The automatic sampling system was successfully tested in full-scale plants. Detailed discussion and results will be presented in the Deliverable “Analytical protocol for process control (MPs in wastewater and sludge)”.

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### B.3 Technical Protocol for Urban Water Service Infrastructure. Pilot on Garda Lake

Starting date		1/4/2020							
Actual expected end date:		30/9/2022						Last update: 31/09/2021	
Planned expected end date:		30/9/2022						RESPONSIBLE PARTNER: UNIVPM	
Total months:		30							
								1	Activity delay indicator
70%		ACTION PROGRESS STATUS			79%		0		Delay
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%	M	Start Phases 1 (Sampling in real environment) and 2 (MPs sample preparation and characterization)	1	1	100%	1/4/2020	7/7/2020	3	
100%		Start sampling campaign in Castreccioni	1	1	100%	7/7/2020	7/7/2020	0	
100%	M	Site and plant selection for pilot actions	1	1	100%	1/4/2020	1/8/2020	4	
100%		Technical visit in Castreccioni for sampling campaign organization in the potabilization treatment plants	1	1	100%	11/6/2020	11/6/2020	0	
100%		Technical visit in Garda for sampling campaign organization in the potabilization treatment plants of Garda Molinet and Brenzone Catelletto	1	1	100%	7/10/2020	7/10/2020	0	
100%	M	Process revision and optimization	1	1	100%	1/4/2020	1/8/2020	4	
0%	D	Technical report and operative manual treatment process	1	0	90%	30/6/2021	31/10/2021	4	
100%	M	Start Phase 3	1	1	100%	1/7/2021	1/9/2021	2	
0%	M	Characterization of single process step	1	0	0%	1/6/2022	1/6/2022	0	
0%	D	Analytical protocol for process control (MPs in wastewater and sludge)	1	0	0%	30/6/2022	31/7/2022	1	
<b>TOTALE</b>			<b>10</b>	<b>7</b>					

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## B.4: Training for Sewage Treatment Plants (STP) operators.

Even if this action is not formally started, a preliminary survey was carried out on the methodologies (if any) applied by Italian and German treatment plants to reduce the release of microplastics in fresh waters was started in October 2020. The main results have been summarized in a separate chapter of the project's impact ex ante Report (action C.1).

B.4 Training for Sewage Treatment Plants (STP) operators									
Starting date:		1/10/2021							
Original expected end date:		30/9/2023						Last update: 31/09/2021	
Planned expected end date:		30/9/2023						RESPONSIBLE PARTNER: UNIVIPM	
Total months:		24							
								0	Activity delay indicator
0% ACTION PROGRESS STATUS								13%	0 Delay
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%		List of stakeholders to be interviewed	1	1	100%	1/10/2020	1/10/2020	0	
0%	M	Selection criteria of the operators	1	0	0%	30/6/2022	30/6/2022	0	
0%	M	Final training program definition	1	0	0%	30/6/2022	31/8/2022	2	
0%	M	Class definition	1	0	0%	30/9/2022	30/9/2022	0	
0%	D	Teaching material	1	0	0%	30/9/2022	30/9/2022	0	
0%	M	Start of training course	1	0	0%	31/10/2022	31/10/2022	0	
0%	D	e-lessons	1	0	0%	30/6/2023	30/6/2023	0	
0%	M	Release of e-learning courses	1	0	0%	30/6/2023	30/6/2023	0	
<b>TOTALE</b>			<b>7</b>	<b>0</b>					

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## B.5 Campaign for cosmetic / outdoor clothing / rubber tyres production.

The participatory process with the companies of the relevant sectors has been started. In all contacts and meetings established so far, the companies have shown themselves to be very open and very interested in the LIFE Blue Lakes Project. Therefore, we are confident that all planned objectives will be achieved by the end of the project. The contact list of companies, stakeholders and multipliers from the relevant sectors cosmetics, tyre and outdoor industry that has been compiled by April 2020 is continuously complemented during the project. Several bilateral meetings with relevant stakeholders as well as meeting business representatives at suitable events and trade fairs was planned. The factsheets on avoidance of microplastics and alternative solutions for three business sectors cosmetics, tyre and outdoor clothing are available for download on the project website and are provided to the companies of the relevant sectors via email and are promoted on occasion of events. A list of possible events and trade fairs has been compiled and is continuously updated. Only during the first months of the year 2020 it was possible to participate in presence events and trade fairs. Due to the Covid19-Pandemic unfortunately all further trade fairs and events had to be cancelled. Since then, all events, conferences and trade fairs have been implemented in an online format. For this reason, instead of a printed mobile exhibition a virtual, interactive exhibition tool was developed. It provided the possibility to be used in online events. The virtual information tool has been created in English and German and is in line with the project's visual identity. The realization of the Italian version of the virtual tool is in progress.

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## B.5 Campaign for cosmetic / outdoor clothing / rubber tyres production companies

Starting date		1/10/2019										Last update: 31/09/2021	
Original expected end date:		31/12/2022										RESPONSIBLE PARTNER: GNF	
Planned expected end date:		31/12/2022											
Total months:		39											
										0	Activity delay indicator		
276% ACTION PROGRESS STATUS										67%	0 Delay		
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note				
100%	D	List of stakeholders and multipliers on regional and national level	1	1	100%	30/4/2020	30/4/2020	0					
100%	D	Fact Sheets on avoidance of Microplastics and alternative solutions for three business sectors	1	1	100%	30/6/2020	31/3/2021	9					
100%	D	Small exhibition on microplastics for the target group "companies"	1	1	100%	30/11/2020	31/3/2021	4					
150%		2 meetings with Umbrella organizations of industrial sectors	2	3	100%	03/2020	03/2020	0					
80%		Start of 10 bilateral meetings with companies	10	8	80%	03/2020	03/2020	0					
0%		2 two meetings with national business associations	2	0	20%	03/2020	12/2021	21					
0%		2 meetings with Chambers of Commerce	2	0	30%	03/2020	12/2021	21					
504%		50 European companies informed	50	252	100%	03/2020	03/2020	0					
40%		20 businesses in Germany demonstrate their interest	20	8	35%	03/2020	03/2020	0					
100%		List of relevant trade fairs and events	1	1	100%	01/2020	01/2020	0					
20%		Project presentation at 5 Events/Trade Fairs in Germany	5	1	20%	01/2020	01/2020	0					
50%		Project presentation at 4 events on international scale	4	2	50%	01/2020	01/2020	0					
100%		Trips for specialized media: First journalist trip	1	1	100%	30/06/2021	25/08/2021	2					
0%		Trips for specialized media: Second journalist trip	1	0	0%	01/07/2022	01/07/2022	0					
<b>TOTALE</b>			<b>101</b>	<b>279</b>									

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## B.6 Working Panel.

The process for the establishment of the national working panel including national and regional authorities, has started and during the reporting period, two plenary meetings took place. The first took place remotely on December 15, 2020, during the ABDAC Water Uses Observatory. During this meeting, the main objectives and expected results of the Working Panel were presented to the participating bodies along with the description of the main activities currently carried out by ENEA and UNIVPM for the preparation of respectively the Monitoring Protocol (B.2) and the Technical Protocol (B.3). The second was held on April 21, 2021, in the context of ABDAC Water Uses Observatory. During this meeting a specific questionnaire was submitted to the participants and the Participatory Process (action B.1) was presented. In addition, a meeting with the representatives of all the Observatories of the national districts took place on July 2, 2021. It was the occasion for ABDAC to present the LIFE Blue Lakes project and its main objectives, with a focus on the White Lake Paper. Starting from the next meeting of the ABDAC Water Uses Observatory (scheduled on November 30, 2021), a special section dedicated to the activities of the LIFE Blue Lakes Working Panel will be activated until the end of the Project (2023) in order to receive specific feedback from the components and participants in the Observatory

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## B.6 Working Panel

<b>Starting date</b>		1/1/2020									
<b>Original expected end date:</b>		30/9/2023								<b>Last update:</b> 31/09/2021	
<b>Planned expected end date:</b>		30/9/2023								<b>RESPONSIBLE PARTNER:</b> ABDAC	
<b>Total months:</b>		45									
										<b>0</b>	
										<b>Activity delay indicator</b>	
36%		<b>ACTION PROGRESS STATUS</b>		36%						<b>0</b>	
										<b>Delay</b>	
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note		
100%	M	Start of Working Panel	1	1	100%	31/1/2020	14/2/2020	0			
100%		Plenary meeting (2020)	2	2	100%	31/12/2020	31/12/2020	0	1st Plenary Meeting: Permanent Observatory Water Resources (18/02/2020); 2nd Plenary Meeting: Permanent Observatory Water Resources (15/12/2020)		
67%		Bilateral meeting (2020)	3	2	67%	31/12/2020	31/12/2020	0	1st Bilateral Meeting: Letter to Italian Ministry of Environment; 2nd Bilateral Meeting: MoU with Po Basin Authority		
50%		Plenary meeting (2021)	2	1	50%	31/12/2021	31/12/2021	0	3rd Plenary Meeting: Permanent Observatory Water Resources (21/04/2021)		
100%		Bilateral meeting (2021)	3	3	100%	31/12/2021	31/12/2021	0	3rd Bilateral Meeting: Po Basin Authority (14/05/2021); 4th Bilateral meeting with ACEA ATO2 (20/05/2021); 5th Bilateral meeting with the representatives of the municipality of Caprarola. The following stakeholders were also present: National Institutes of Health, Lazio Region, ARPA Lazio, ASL Roma. (26/08/2021)		
0%		Plenary meeting (2022)	2	0	0%	31/12/2022	31/12/2022	0			
0%		Bilateral meeting (2022)	3	0	20%	31/12/2022	31/12/2022	0			
0%		Plenary meeting (2023)	2	0	0%	30/9/2023	30/9/2023	0			
0%		Bilateral meeting (2023)	3	0	0%	30/9/2023	30/9/2023	0			
0%		Consultation meetings	2	0	0%	30/9/2023	30/9/2023	0			
0%	D	Lake White Paper	1	0	0%	30/6/2023	30/6/2023	0			
0%	M	National Conference	1	0	0%	31/7/2023	31/7/2023	0			
<b>TOTALE</b>			<b>25</b>	<b>9</b>							

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## B.7 International advocacy and capacity building on micro plastics in fresh water.

The first Capacity Building Webinar took place on 1st July 2021 as an online event. Thirty-nine representatives of NGOs, authorities, ministries, scientific institutions participated in the event. Preliminary contacts with the representatives of water related associations, authorities, NGOs and scientific institutions for the implementation of appropriate measures against the contamination from MPs and to discuss the realisation of joint activities in the lake areas are taken. An informative factsheet (15 pages) on microplastics in lakes and wetlands has been developed in German and English, which are available for download on the project website (DB7.1). The factsheets provide information on the sources and impacts of microplastics in lakes and wetlands, possible solutions and measures as well as the current legal framework on European level. The factsheet has been published according to the modified deadline 05/2021 in the Executive Action Plan. The original deadline of 12/2020 had been postponed in order to be able to include information that has been compiled in the factsheets for the three business sectors.

<b>B.7 International advocacy and capacity building on micro plastics in fresh water systems</b>									
Starting date		1/1/2020							
Original expected end date:		31/12/2022						Last update: 31/09/2021	
Planned expected end date:		31/12/2022						RESPONSIBLE PARTNER: GNF	
Total months:		36							
								0	Activity delay indicator
33%		ACTION PROGRESS STATUS			60%			0	Delay
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%	D	Fact Sheet (12-16 pages) microplastics for capacity building of NGOs	1	1	100%	31/12/2020	31/5/2021	5	
100%		First webinar on microplastics for LLEP and LL members	1	1	100%	30/06/2021	01/07/2021	0	
100%	M	Capacity Building workshop	1	1	100%	31/3/2022	1/7/2021	-9	
0%	M	Second webinar on microplastics for LLEP and LL members (Webinars realized)	1	0	0%	30/9/2022	30/9/2022	0	
0%		Side event/round table/stand on the Green Week Brussels in May 2022	1	0	0%	31/5/2022	30/5/2022	0	
<b>TOTALE</b>			<b>3</b>	<b>1</b>					

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## C.1 Monitoring of project impact

The project impacts monitoring action has started in time and is proceeding on schedule. The ex-ante project impact Report was delivered on 24.03.2021, six months later than expected. It includes two sections describing the baseline background: the reporting of results obtained by a preliminary survey on monitoring methodologies applied by ARPAs to assess water quality (see action B2) and a description of methodologies put in place by Italian and German treatment plants to reduce MPs in the environment (see action B3).

C.1 Monitoring of project impact										
Starting date		1/4/2020								
Original expected end date:		30/9/2023						Last update: 31/09/2021		
Planned expected end date:		30/9/2023						RESPONSIBLE PARTNER: LEGAMBIENTE		
Total months:		42								
								0	Activity delay indicator	
3% ACTION PROGRESS STATUS								40%	0	Delay
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note	
100%		Establishment of Project Impact working group	1	1	100%	30/4/2020	31/5/2020	1		
100%	D	Project Impact Ex ante Report	1	1	100%	30/9/2020	24/3/2021	6		
100%		Start of Preliminary survey on monitoring methodology adopted by ARPAs (action B.2)	1	1	100%	31/8/2020	28/9/2020	1		
100%		Start of Preliminary survey on Treatment Plants methods to prevent microplastic (action B.3)	1	1	100%	30/9/2020	30/9/2020	0		
0%		Lake Paper adoption by 20 Municipalities (action B.2)	20	0	0%	30/9/2023	30/9/2023	0		
0%		100 Questionnaires for students (action D.2)	100	0	0%	31/1/2022	31/1/2022	0		
0%		Start of survey on the adoption of the monitoring protocol by ARPAs (action B.2)	1	0	0%	30/6/2023	30/6/2023	0		
0%		Start of survey on adoption of the technical protocol to prevent microplastic by Treatment Plants (action B.3)	1	0	0%	30/6/2023	30/6/2023	0		
0%		MoU signed by companies (action B.5)	3	0	0%	31/8/2023	31/8/2023	0		
0%	D	Project Impact Ex post Report	1	0	0%	30/9/2023	30/9/2023	0		
<b>TOTALE</b>			<b>130</b>	<b>4</b>						

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## C.2 Socio economic impact.

The ex-ante survey on the project's socio-economic impact was concluded, but the ex-ante Report was delivered delayed with respect to the project proposal (March 2021 instead of September 2020). However, both these delays in reports delivering dates had no negative impact on the implementation of the project activities.

C.2 Socio economic impact										
Starting date		1/10/2019						Last update:		31/09/2021
Original expected end date:		30/9/2023						RESPONSIBLE PARTNER:		LEGAMBIENTE
Planned expected end date:		30/9/2023								
Total months:		48								
								0	Activity delay indicator	
33%		ACTION PROGRESS STATUS		76%				0	Delay	
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note	
100%	M	Start ex ante evaluation	1	1	100%	1/2/2020	12/5/2020	3		
100%		Design of interview to key stakeholders	1	1	100%	31/5/2020	15/7/2020	2		
100%		Design of structured questionnaire	1	1	100%	30/6/2020	31/10/2020	4		
90%		Interviews	20	18	90%	31/7/2020	31/7/2020	0		
115%		Questionnaires	300	345	115%	30/9/2020	31/12/2020	3		
100%	D	Ex ante report	1	1	100%	30/9/2020	31/3/2021	6		
0%	M	Start ex post evaluation	1	0	0%	31/10/2022	31/10/2022	0		
0%	D	Ex post report	1	0	0%	1/9/2023	1/9/2023	0		
<b>TOTALE</b>			<b>3</b>	<b>1</b>						

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## D.1 Project branding and communication activities.

The project visual identity was defined and the following communication materials were produced: information boards, roll ups, leaflets, gadgets, brochures. The project website ([www.lifebluelakes.eu](http://www.lifebluelakes.eu)) is online by March 2020. It is available in three languages: English, Italian and German languages and is regularly updated. During the reporting period, 18 press releases were realized, a press review including about 350 articles was realized and the project website was regularly updated. Moreover, the project LIFE Blue Lakes was presented at several national and international events.

D.1 Project branding and communication activities									
Starting date		1/10/2019						Last update: 31/09/2021	
Original expected end date:		30/9/2023						RESPONSIBLE PARTNER: LEGAMBIENTE	
Planned expected end date:		30/9/2023							
Total months:		48							
								0	Activity delay indicator
95% ACTION PROGRESS STATUS								0	Delay
				77%					
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%		Branding box	1	1	100%	31/3/2020	15/2/2020	-2	
100%	D	Information board (Layout)	1	1	100%	31/3/2020	31/3/2020	0	
100%		Printed Information board (7)	7	7	100%	31/3/2020	31/8/2020	5	
100%	D	Roll-up (Layout)	1	1	100%	31/3/2020	15/4/2020	1	
100%		Printed Roll-up (7 x 2)	14	14	100%	31/3/2020	31/8/2020	5	
100%	D	Press kit (100)	1	1	100%	31/3/2020	15/5/2020	2	
100%	D	Depliant (Layout)	1	1	100%	31/3/2020	15/4/2020	1	
100%	M	Website Released	1	1	100%	31/3/2020	31/3/2020	0	
100%		Social profiles and Youtube channels	1	1	100%	31/3/2020	31/5/2020	2	
100%	M	Initial Press Conference	1	1	100%	31/3/2020	3/7/2020	3	
100%	D	Gadget (6.000)	1	1	100%	30/6/2020	30/9/2020	3	
50%	D	2 Video clip	2	1	50%	30/6/2020	31/01/2021	7	
0%	D	Brochure (layout)	1	0	80%	30/6/2020	20/12/2021	18	
0%	M	Press tour	1	0	0%	30/6/2022	30/6/2022	0	
0%	D	Layman's Report (1.000)	1	0	0%	31/7/2023	31/7/2023	0	
0%	M	Final Press Conference	1	0	0%	30/9/2023	30/9/2023	0	
100%		Participation to 6 national /international events	6	9	100%	30/9/2023	30/9/2023	0	
<b>TOTALE</b>			<b>42</b>	<b>40</b>					

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## D.2 Awareness campaign.

The implementation of the awareness campaign in Italy was seriously affected by the lock down due to the pandemic emergency and most of the activities expected in the year 2020 were cancelled (i.e., 1st edition of the Lake Day, activities for tourists) or postponed (i.e., 1st edition of the Lake Theatre which took place on summer 2021). On the other hand, the activities foreseen for the year 2021 regularly happened as expected and the 2nd edition of the Lake Day saw the realization of 8 events in the three Italian lakes. The preparatory activities related to the educational program for schools have already started to assure that the Edu-kit will be delivered in line with the expected timing. In Germany interactive information stands at popular events and festivities around the two Lakes Constance and Chiemsee are started. To maximise the achievement of the expected results, some communication products (i.e., “City-card” and additional roll ups) were appositely realized.

D.2 Awareness campaign									
Starting date:		1/7/2020							
Original expected end date:		30/9/2022						Last update: 31/09/2021	
Planned expected end date:		30/9/2022						RESPONSIBLE PARTNER: LEGAMBIENTE	
Total months:		27							
								0	Activity delay indicator
50%	ACTION PROGRESS STATUS			58%			0	Delay	
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%	D	1st Script	1	1	100%	30/4/2020	30/4/2020	0	
100%		List of suitable festivities at the German lakes	1	1	100%	30/6/2020	30/6/2020	0	
100%	M	1st Lake Show edition (Trento and Rome)	1	1	100%	31/7/2020	17/07/2021	12	
100%	D	2st Script	1	1	100%	30/4/2021	30/4/2021	0	
100%	M	2nd Lake Show edition	1	1	100%	31/7/2021	28/10/2021	3	
100%	D	Educational Kit	1	1	100%	31/7/2021	30/9/2021	2	
100%	M	1st edition Lakes Day	1	1	100%	31/8/2021	10/7/2021	-2	
100%		Edu-kit distribution (November 2021 – January 2022)	1	1	100%	31/1/2022	31/1/2022	0	
100%		1st education path	1	1	100%	30/9/2021	30/9/2021	0	
0%		1st Contest edition	1	0	0%	31/5/2022	31/5/2022	0	
0%		2nd edition Lakes Day	1	0	0%	31/8/2022	31/8/2022	0	
0%		2nd education path	1	0	0%	30/9/2022	30/9/2022	0	
0%		2nd Contest edition	1	0	0%	31/5/2023	31/5/2023	0	
33%		Information stand at 6 festivities at the German lakes	6	2	33%	30/6/2023	30/6/2023	0	
0%		Save our Lakes	1	0	0%	30/6/2023	30/6/2023	0	
0%	M	Launch of Road Show	1	0	0%	31/7/2023	31/7/2023	0	
0%		3rd edition Lakes Day	1	0	0%	31/8/2023	31/8/2023	0	
TOTALE			22	11					

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### D.3 Networking and replicability.

A preliminary list of 44 relevant LIFE and non-LIFE projects was drafted and e-mail contacts, phone calls and meetings were organized with 15 of them. During the reporting period, the project's beneficiaries have participated at three international events organized as a part of other LIFE and non-LIFE projects.

D.3 Networking and replicability									
Starting date		1/4/2020						Last update: 31/09/2021	
Original expected end date:		30/6/2023						RESPONSIBLE PARTNER: LEGAMBIENTE	
Planned expected end date:		30/6/2023							
Total months:		39							
75%	ACTION PROGRESS STATUS			60%				0	Activity delay indicator
								0	Delay
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%	M	Start of networking	1	1	100%	30/4/2020	30/4/2020	0	
100%		Identification of 20 relevant Life Projects	1	1	100%	30/4/2020	30/4/2020	0	34 Life and non-Life projects identified
100%		Selection of 10 Life projects	1	1	100%	30/6/2020	31/8/2020	2	
100%		Preliminary email contacts with 5 LIFE Projects	1	1	100%	30/9/2020	31/7/2020	-2	
100%		Bilateral meetings	1	1	100%				May 2020 H2020 LIMNOPLAST (GNF); June 2020 LIFE RII and LIFE RINASCIE (LEGAMB); 06.07.2020 TextileMission (GNF); 20.07.2020 RAU (GNF); 22.07.2020 International Waste Platform (GNF); 09.10.2020 LIFE VisPO and ZERO PLASTICA IN MARE (LEGAMB); 19.10.2020 ConCirMy (GNF); 22.12.2020 e 27.01.2021 LIFE MERMAIDS and AQUAFILL (LEGAMB, ENEA, UNIVPM); 26.03.2021 Stop the ALPs becoming Plastic Mountains (LEGAMB); 24.03.2021 CLEAN DANUBE (GNF); Textile Mission (17/03/2021); H2020 BlueMed (09/10/2020); INTERREG NETWAp (09/07/2021); LIFE VISPO
133%		Participation in 3 international events	3	4	100%	30/9/2021	30/9/2021	0	
0%		Setting of the International workshop and preliminary contacts (Replicability)	1	0	0%	30/10/2022	30/10/2022	0	
0%		Study visits	1	0	0%	30/9/2023	30/9/2023	0	
0%	D	Transfer and Replication Plan	1	0	0%	30/9/2022	30/9/2022	0	
0%	M	International workshop (Replicability)	1	0	0%	31/5/2023	31/5/2023	0	
<b>TOTALE</b>			<b>12</b>	<b>9</b>					

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## E.1 Project management.

Project management has started at the very beginning of the project and is proceeding without difficulties. The project management and coordination are ensured by a solid coordination structure comprising a Steering Committee, with a role of guidance and control, and an Executive Committee which guarantees its operation. Overall coordination of the project is ensured by a Project Manager and a Project Coordinator with experience in the management of LIFE projects, together with a Financial Manager with considerable expertise in reporting of European projects. Implementation of the individual actions is ensured by specific Working Groups (one for each action) including one contact person for each involved partner. During the reporting period, two Steering Committee meetings were held, respectively in October 2020 and February 2021 as well as three Executive Committee meetings, held respectively in October 2020, February 2021, and May 2021. The second monitoring visit was held in presence on 13 May 2021 (field survey) and 18 May 2021 (technical and financial meeting).

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## E.1 Project management

<b>Starting date:</b> 1/10/2019									
<b>Original expected end date:</b> 30/9/2023								<b>Last update:</b> 31/09/2021	
<b>Dated expected end date:</b> 30/9/2023								<b>RESPONSIBLE PARTNER:</b> LEGAMBIENTE	
<b>Total months:</b> 48									
								<b>0</b>	<b>Activity delay indicator</b>
47% <b>ACTION PROGRESS STATUS</b>								<b>0</b>	<b>Delay</b>
				59%					
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%	M	Kick off meeting	1	1	100%	30/11/2019	26/11/2019	0	
100%	M	Establishment of the Steering Committee	1	1	100%	30/11/2019	26/11/2019	0	
100%	M	Establishment of the Executive Committee	1	1	100%	30/11/2019	26/11/2019	0	
100%	D	Partnership agreement	1	1	100%	31/12/2019	31/12/2019	0	
100%		Steering Committee meetings (2020)	2	2	100%	n.a	13/5/2020 - 08/10/2020		
100%		Executive Committee meetings (2020)	2	2	100%	n.a	13/5/2020 - 08/10/2020		
100%		Progress report	1	1	100%	n.a	31/10/2020		
100%		Steering Committee meetings (2021)	2	2	100%	n.a	18/2/2021 - 17/05/2021		
50%		Executive Committee meetings (2021)	4	2	50%	n.a	18/2/2021 - 17/05/2021		
100%	D	Midterm report	1	1	100%	30/9/2021	30/9/2021	0	
0%		Steering Committee meetings (2022)	2	0	0%	n.a			
0%		Executive Committee meetings (2022)	4	0	0%	n.a			
0%		Steering Committee meetings (2023)	2	0	0%	n.a		0	
0%		Riunioni Executive Committee (2023)	4	0	0%	n.a		0	
0%	D	After-Life Communication Plan	1	0	0%	30/9/2023		0	
0%	D	Final Report	1	0	0%	31/12/2023		0	
<b>TOTALE</b>			<b>30</b>	<b>14</b>				<b>0</b>	

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## E.2 Monitoring of the project progress and KPI

Periodic monitoring of project activities has started and continues on a constant and regular basis through the production of monthly and annual reports. As regards administrative issues, the trend of expenditure is proceeding regularly for both private and public beneficiaries.

E.2 Monitoring of the project progress and KPI									
Starting date:		1/10/2019							
Original expected end date:		30/9/2023						Last update: 31/09/2021	
Planned expected end date:		30/9/2023						RESPONSIBLE PARTNER: LEGAMBIENTE	
Total months:		48							
								0	Activity delay indicator
50%	ACTION PROGRESS STATUS						200%	0	Delay
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%	D	I° Annual monitoring report	1	1	100%	31/10/2020	31/10/2020	0	
100%	D	II° Annual monitoring report	1	1	100%	31/10/2021	31/10/2021	0	
0%	D	III° Annual monitoring report	1	0	0%	31/10/2022	31/10/2022	0	
0%	D	Final Annual monitoring report	1	0	0%	30/9/2023	30/9/2023	0	
<b>TOTALE</b>			<b>4</b>	<b>2</b>					

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