



# NO MICROPLASTICS, JUST WAVES.

## 1<sup>st</sup> Annual Report

01/10/2019 – 30/09/2020

ACTION E.2



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## Summary

The project officially started on 1<sup>st</sup> October 2019. During the first year of implementation, most of the project actions have started with the exception for actions B.4 and B.7, in compliance with the approved project timetable. No major problems emerged during the first 12 months. The main management structures have been properly set up, including the Steering and Executive committees and the main WGs (communication, scientific, etc.).

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. AZIONI PREPARATORIE</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. AZIONI CONCRETE</b>									
B.1	B.1 Campaign for local authorities and stakeholders	20%	20%	37%	1/1/2020	30/9/2023	0	0	
B.2	B.2 Monitoring protocol: Pilot on Trasimeno and Bracciano Lakes	33%	33%	59%	1/10/2019	30/6/2022	0	0	
B.3	B.3 Technical Protocol for Urban Water Service Infrastructure. Pilot on Garda Lake	60%	60%	45%	1/4/2020	30/9/2022	1	0	
B.4	B.4 Training for Sewage Treatment Plants (STP) operators	0%	0%	0%	1/10/2021	30/9/2023	0	0	
B.5	B.5 Campaign for cosmetic / outdoor clothing / rubber tyres production companies	33%	33%	50%	1/10/2019	31/12/2022	0	0	
B.6	B.6 Working Panel	16%	21%	37%	1/1/2020	30/9/2023	0	0	
B.7	B.7 International advocacy and capacity building on micro plastics in fresh water systems	0%	0%	46%	1/1/2020	31/12/2022	0	0	
<b>C. C. MONITORAGGIO IMPATTO</b>									
C.1	C.1 Monitoring of project impact	9%	32%	32%	1/4/2020	30/9/2023	0	0	
C.2	C.2 Socio economic impact	0%	47%	41%	1/10/2019	30/9/2023	0	0	
<b>D. D. COMUNICAZIONE E DISSEMINAZIONE</b>									
D.1	D.1 Project branding and communication activities	81%	72%	41%	1/10/2019	30/9/2023	0	0	
D.2	D.2 Awareness campaign	12%	18%	39%	1/7/2020	30/9/2022	0	0	
D.3	D.3 Networking and replicability	44%	44%	35%	1/4/2020	30/6/2023	0	0	
<b>E. E. GESTIONE GENERALE E MONITORAGGIO</b>									
E.1	E.1 Project management	27%	44%	41%	1/10/2019	30/9/2023	0	0	
E.2	E.2 Monitoring of the project progress and KPI	25%	100%	41%	1/10/2019	30/9/2023	0	0	

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## A.1 Executive Action Plan.

On 21 December 2019, a first meeting was carried out among Legambiente staff in order to define the working method for drafting the Executive Action Plan. A first draft of the document was firstly shared with GNF and LCF asking for their contribution. On February 2020, all partners received the first draft of the EA for their contribution.

On 23 March the final draft of the Executive Action Plan was shared with the whole partnership which made further revisions and minor changes. The final Executive Action Plan was released on 31 March 2019 complying with the foreseen time schedule.

A.1 Executive Action Plan									
	Starting date	1/10/2019							
	Original expected end date:	31/3/2020							
	Updated expected end date:	31/3/2020						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	6							
								0	Activity delay indicator
100%	ACTION PROGRESS STATUS				100%			0	Delay
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%	M	Establishment of the Executive Action Plan working group	1	1	100%	30/11/2019	26/11/2019	0	
100%	D	Executive Action Plan	1	1	100%	31/3/2020	31/3/2020	0	
		TOTAL	2	2					

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### A.3 Communication Strategy

On 17 December, a first meeting of the project team involved in communication activities was held at Legambiente's headquarters. At that meeting, the opportunity was considered to organize the press conference to launch the project on the occasion of the first monitoring visit scheduled for spring. The location was Lake Trasimeno, site of some project activities related to the monitoring of microplastics. The drafting of the communication plan is proceeding: during March, the visual identity was integrated in the communication materials such as the website and the leaflet. The final version of Communication Strategy collecting suggestion from all partners has been finalized on 30th June 2020 in line with the foreseen deadline.

A.3 Communication Strategy									
	Starting date	1/10/2019							
Original expected end date:		30/6/2020							
Updated expected end date:		30/6/2020						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	9							
								0	Activity delay indicator
100%	ACTION PROGRESS STATUS				100%			0	Delay
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
100%	M	Establishment Communication WG	1	1	100%	31/10/2019	26/11/2019	1	
100%	D	Communication strategy	1	1	100%	30/6/2020	30/6/2020	0	
		TOTAL	2	2					

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

In **January** 2020, the preparation of draft Lake Paper (B.1.1) as a basis for discussion for the start of the Participatory Process has started.

**April:** The first draft of the Lake Paper was realized and it will be used as a starting reference point for the implementation of the participatory progress.

**May:** Legambiente had contacted 40 municipalities around the 3 targeted Lakes in Italy (Trasimeno, Garda and Bracciano) to inform them about the project. The first draft of the Lake Paper was realized. LCF and GNF have started to contact the communities at the lakes in Germany, to inform them about the Blue Lakes project and to ask them to fill in a brief questionnaire.

**June:** The work for the preparation of the Draft Lake Paper has started and a first preliminary draft of the document has been done. The GNF will collaborate with the Chiemsee Nature Guides Association, who will support GNF in the implementation of the activities at Lake Chiemsee as external assistance. The association has been selected through a restricted tendering procedure. A contact letter and a brief questionnaire have been prepared that will be sent to the authorities at Lake Chiemsee in order to inform them about the blue lakes project and to select first information about the situation regarding microplastics in the communities. The selection process for the expert facilitators that will lead the Participatory Process (PP) (B.1.2) has been started. 2 different experts were contacted and we're waiting for their technical and economic proposals.

**July:** The three technical and economic proposals received were evaluated and the company in charge for the PP was selected. A preliminary meeting (phone call) with the Company (Punto3) took place on the 29th July in order to define the timetable/implementation of the activities. Two meetings (20.07 and 29.07) took place with Regional Committee of Legambiente Veneto and Lombardia in order to define their collaboration in the activities that will be done in Lago di Garda area.

**September:** GNF: Further filled in questionnaire received from communities at Lake Chiemsee. Legamb: An internal meeting took place on 16.09 with the national director of Legambiente to define the involvement of regional representatives. Another meeting took place remotely on 21.09 with the referent people that have been charged with the participatory process. Other three meetings took place remotely (30.09) with the local representatives of Legambiente Veneto, Lombardia and Umbria to define deadline and preparatory activities (stakeholders database, text of the interviews, video/photos/documents collection).

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B.1 Campaign for local authorities and stakeholders									
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Original expected end date:		30/9/2023							
Updated expected end date:		30/9/2023						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	45							
								0	Activity delay indicator
20%	ACTION PROGRESS STATUS				20%			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	The release of the draft Lake Paper has been postponed to the end of May 2020 instead of April 2020, as reported in the Proposal due to the Covid-19 emergency.
100%	M	Start of PP - Preliminary phase	1	1	100%	30/4/2020	1/9/2020	4	The time frame of the Preliminary phase has been changed from April – June 2020 to September – November 2020 due to the Covid-19 emergency
0%	M	Start of PP - Initial phase	1	0	0%	30/6/2020	1/11/2020	4	The time frame of the Initial phase has been changed from June - August 2020 to November 2020 - January 2021 due to the Covid-19 emergency.
0%	M	Start of PP - Central phase	1	0	0%	30/9/2020	15/1/2021	4	The time frame of the Central phase has been changed from September – December 2020 to January 2020 – March 2021 due to the Covid-19 emergency.
0%	M	Start of PP - Final phase	1	0	0%	31/1/2021	15/3/2021	1	The time frame of the Final phase has been changed from January – March 2021 to March – June 2021 due to the Covid-19 emergency.
0%	D	Final Lake Papers	1	0	0%	30/4/2021	30/6/2021	2	The release of the Final Lake Papers has been postponed to June 2021 instead of April as stated in the proposal due to the Covid-19 emergency.
		TOTAL	5	1					

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

The preliminary investigation phase of the two pilot areas and the evaluation of the criteria for the selection of the transects has started in March. Work is continuing on the setting up of the sampling datasheet, the drafting of which will be slightly delayed compared to 31 March.

**April:** The template of the Technical data sheet was defined. It will be functional to the foreseen monitoring phases.

**May:** Due to the sanitary emergency no sampling has been done in Bracciano and Trasimeno Lakes. The Technical data sheet of single phases (deliverable) was released on 5<sup>th</sup> May.

**June:** ENEA, Legambiente and Arpa Umbria started the planning phase for microplastics sampling activities in Trasimeno and Bracciano lakes. Calls have been organized in order to define logistic strategy (boat, date and so on), operational needs and sampling equipment.

**July:** the field monitoring operations consisted in MP sampling in lake water and in beach sediment. On 1 July the sampling activities were carried out in Bracciano Lake whereas the sampling activities in Trasimeno Lake were carried out on 21 and 22 July.

**September:** Ongoing count and composition of MPs samples collected in Bracciano and Trasimeno

B.2 Monitoring protocol: Pilot on Trasimeno and Bracciano Lakes									
	Starting date	1/10/2019							
	Original expected end date:	30/6/2022							
	Updated expected end date:	30/6/2022						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	33							
33%	ACTION PROGRESS STATUS				33%			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 characterization of sites and criteria for the selection of sampling transect	1	1	100%	1/3/2020	1/4/2020	1	Deadline modified in the EAP due to the
100%	D	Technical data sheet of single phases	1	1	100%	1/3/2020	5/5/2020	2	Deadline modified in the EAP due to the
0%	M	Validation of operating procedures	1	0	0%	1/3/2021	1/6/2021	3	Deadline modified in the EAP
0%	D	Monitoring Protocol	1	0	0%	31/5/2021	30/6/2021	1	Deadline modified in the EAP
0%	M	Technical report: two years of lake monitoring activities	1	0	0%	31/10/2022	31/12/2022	2	Deadline modified in the EAP
0%		Organization and realization of the three-day training course on lake microplastic monitoring protocol microplastic monitoring in Polvere Island (Trasimeno lake)	1	0	0%	30/6/2022	30/6/2022	0	
		<b>TOTALE</b>	<b>6</b>	<b>2</b>					

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

In **April** 2020, even though the action was still not formally started, some literature studies on MPs sampling methods and removal efficiency of treatment processes were started along with some first contacts with local water utilities to define the sampling campaign.

**May:** Acquambiente provided the flow scheme of the DWTP of Castreccioni. A next technical visit has been planned on the DWTP of Castreccioni during the next months. Preliminary tests on the optimization of the filtration apparatus were realized.

**June:** AGS provided flow scheme of DWTPs in Garda Lake. Sampling points and methods were selected for Castreccioni DWTP monitoring, according to literature studies and to the outcomes of the technical visit to the plant. First sampling campaign organized, planned for 7th July 2020 in Castreccioni DWTP.

**July:** the first monitoring campaign was carried out on 7 and 9 July 2020 in the drinking water treatment plant of Castreccioni. Samples were taken using stainless steel filters and/or sieves from two different water intake points, from each treatment unit of the plant and from two different points in the distribution network.

**August:** Ongoing MPs determination in samples collected in Castreccioni Potabilization Plant. Water characterization with chemical and physical parameters. Study of automatic sampling methods for CSOs and WWTPs.

**September:** Ongoing analysis on MPs from Castreccioni first sampling campaign. Technical visit planned in Garda in AGS plants.

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

Starting date		1/4/2020							
Original expected end date:		30/9/2022							
Updated expected end date:		30/9/2022							
Total months:		30							
								RESPONSIBLE PARTNER:	LEGAMBIENTE
								1	Activity delay indicator
60% ACTION PROGRESS STATUS								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 and 2	1	1	100%	1/4/2020	7/7/2020	3	Due to the COVID-19 outbreak, Phase 1 started in July 2020 in Castreccioni PTP and will last until August 2021, Phase 2 started as well in July 2020 and will last until August 2021.
100%		Start sampling campaign in Castreccioni	1	1	100%		7/7/2020		
100%	M	Site and plant selection for pilot actions	1	1	100%	1/4/2020	1/7/2020	3	Deadline modified in the EAP due to the Covid-19 emergency. First technical visit to decide sampling points in Castreccioni PTP in
100%		Technical visit in Castreccioni for sampling campaign organization in the potabilization treatment plants	1	1	100%		11/6/2020		
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		Deadline modified in the EAP due to the Covid-19 emergency. The deliverable "Technical report and operative manual regarding the improvement of the treatment process" is postponed to October 2021 (instead of June 2021)
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	0%	30/6/2021	31/10/2021	4	Due to the COVID-19 outbreak, Phase 3 will start in September 2021 and last until May 2022
0%	M	Start Phase 3	1	0	0%	1/7/2021	1/9/2021	2	
0%	M	Characterization of single process step	1	0	0%	1/6/2022	1/7/2022	1	The milestone "Characterization of single process step" is postponed to July 2020, instead of June 2020, due to the COVID-19 emergency
0%	D	Analytical protocol for process control (MPs in wastewater and sludge)	1	0	0%	30/6/2022	31/7/2022	1	The deliverable "Analytical protocol for process control (MPs in wastewater and sludge)" is postponed to July 2022 (instead of June 2022)
TOTALE			10	6					

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

**September:** Preliminary questionnaire and stakeholders list drafted.

B.4 Training for Sewage Treatment Plants (STP) operators									
	Starting date	1/10/2021							
Original expected end date:		30/9/2023							
Updated expected end date:		30/9/2023						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	24							
0%	ACTION PROGRESS STATUS					0%		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
0%	D	e-lessons	1	0	0%	31/3/2022	31/3/2022	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	30/6/2022	0	
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%	M	Release of e-learning courses	1	0	0%	30/6/2023	30/6/2023	0	



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

March 2020: Concerning the identification of the relevant sectors of industry (B.5.1), the contact lists of relevant industry sectors have been compiled (tyre, cosmetic, outdoor industry). The first companies have been contacted and informed about the **Blue Lakes** project (B.5.2). Personal meetings with representatives of the companies had to be postponed or cancelled due to the corona-situation. Virtual meeting options are being proved. Research work for background information has started (B.5.3). In March 2020, GNF staff have participated in the ISPO sports fair in Munich (B.5.4). Other events and trade fairs have been cancelled due to the corona-situation. Concerning sub-action B.5.5 "Business - sector specific media and Social media", in March a list of sector specific media contacts has been compiled.

**April:** Further background information on different industries sectors has been compiled; email contact to relevant stakeholders has been continued; collection of background information for fact sheets; planned participation in trade fairs and events was not possible, because the events had been cancelled due to the Corona-Pandemic; first media contacts have been informed about the Life Blue Lakes project.

**May:** List of relevant stakeholders is continuously updated; Further research work for background information; due to the corona pandemic not events took place; the list of sector specific media contacts is continuously updated.

**June:** A meeting with experts of the University Niederrhein in the field of microplastics released by synthetic fibers have been contacted. A virtual meeting will take place in July. Moreover, a virtual meeting with the Federal Association of the Energy and Water Industry took place, which represents over 1,900 water, sewage and energy related companies. They are interested in a further collaboration within the blue lakes project. Preparation and research for background information of fact sheets is going on. No events and trade fairs do currently take place due to COVID-19. The professional magazine WASSERWIRTSCHAFT has been contacted. An article about the blue lakes project will be published in the first quarter of 2021.

**July:** List of relevant stakeholders is continuously updated; the list of relevant umbrella organisations and multipliers on regional and national level continuously updated; further background research. A virtual meeting with experts of the University Niederrhein in the field of microplastics released by synthetic fibers took place; phone conversation with expert of Technical University Berlin in the field of tyre abrasion filtration; no events and trade fairs do currently take place due to COVID-19; the magazine "Bewusst&gesund leben" has been contacted. An article about the blue lakes project will be published in the autumn edition 2020.

**August:** "Online meeting with PlasticsEurope Germany. They are interested in further collaboration. Contact to Chambers of Industry and Commerce. Covid-19 impact has led to reduction of income. Therefore, activities have been limited to core business. Additional, voluntary offers can currently not be offered. Collaboration in the project has to be postponed; Concept for factsheets has been updated. Further background information has been collected; No events and trade fairs do currently take place due to COVID-19; Text drafts and further background information have been sent to magazine "Bewusst&gesund leben."

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**September:** List of relevant stakeholders is continuously updated; Contact to the project "ConCirMy" on sustainability aspects in the tyre supply chain has been made; Concept for factsheets has been updated. Further background information has been collected; No events and trade fairs do currently take place due to COVID-19; GNF is preparing the planned article in the professional magazine "water management". Input for technical progress has been enquired from the scientific blue lakes project partners.

B.5 Campaign for cosmetic / outdoor clothing / rubber tyres production companies									
	Starting date	1/10/2019							
Original expected end date:		31/12/2022							
Updated expected end date:		31/12/2022						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	39							
33%	ACTION PROGRESS STATUS				33%			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%	D	List of stakeholders and multipliers on regional and national level	1	1	100%	30/4/2020	30/4/2020	0	
0%	D	Fact Sheets on avoidance of Microplastics and alternative solutions for three business sectors	1	0	0%	30/6/2020	31/3/2021	9	The deadline for the Fact Sheets on avoidance of Microplastics and alternative solutions is postponed to March 2021, since the procedure to include the companies in a participatory process needs more time. The most advanced companies will be included as best practice example.
0%	D	Small exhibition on microplastics for the target group "companies"	1	0	0%	30/11/2020	31/3/2021	4	The deadline for the small mobile exhibition as to be adapted accordingly since the best practice examples of the factsheets need to be included in the exhibition.
		TOTAL	3	1					

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## B.6 Working Panel.

A first operational meeting has been convened for February 14th at ABDAC headquarters to define the modalities and timing of the Working Panel's work. The ABDAC and Legambiente representatives will attend the meeting. At a later stage the Working Panel will be enlarged to include ARPA, UNIVPM and ENEA.

On 14 February, a first operational meeting was held at the ABDAC headquarters to define timing and method of the Working Panel's work. The meeting was attended by ABDAC and Legambiente representatives. On February 18, a first presentation on the Project was given at the meeting of the Permanent Observatory on Water Resources of the Central Apennine District, identified as the first institutional context to involve in the Working Panel. ABDAC shared with Legambiente a first list of institutional bodies and entities to involve in the working panel.

**March 2020:** The organisation of the activity and possible operational solutions were examined. Materials and ideas were exchanged between ABDAC and Legambiente, and a specific skype meeting was also held on 19 March. Possible participants to the working panel continued to be identified, also taking into account the establishment of working groups between the Ministry and the regions for the fitness check activity of Directive 91/271/EEC. Contacts and the general and specific organisation of the working panel were slow and difficult due to the COVID-19 pandemic.

**April:** Due to the COVID-19 pandemic emergency, it was verified with some priority participants the feasibility of the expected activities, by examining some possible alternative solutions. On the occasion of the meeting of the Permanent Observatory on water use of the Central Apennine District (20.04), the problems caused by COVID-19 on water use and on the management activities of the plants were highlighted, to be evaluated also for the purpose of necessary adjustments for the needs expected by the Project.

**May:** A new meeting of the Permanent Observatory on Water Uses is scheduled for June. Contacts with the Ministry of the Environment to coordinate the activity with the implementation of the specific Urban Waste Water Treatment Directive continued during the month.

**June:** This action is proceeding. A remote meeting of the Permanent Observatory on Water Uses took place on the 8th of June. Contacts were taken with institutions to coordinate the activity.

**July:** A meeting with the representatives of all the Observatories of the national districts took place on the 2nd of July. During the meeting the project was briefly introduced. On the 15.07 a second meeting with the representatives of the ABDAC Water Uses Observatory took place in order to plane the future activities.

**September:** The activity is ongoing. A bilateral meeting was held on 18 September between ABDAC and Legambiente in order to verify the implementation status of the action, the composition of the working pane and to plane/define next meetings expected by the Action Plan.

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## B.6 Working Panel

	Starting date	1/1/2020							
	Original expected end date:	30/9/2023							
	Updated expected end date:	30/9/2023						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	45							
								0	Activity delay indicator
16%	ACTION PROGRESS STATUS				21%			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 Working Panel	1	1	100%	31/1/2020	14/2/2020	0	
100%		1st Plenary meeting (2020)	1	1	100%	31/12/2020	18/2/2020	-11	
0%		2nd Plenary meeting (2020)	1	0	0%	31/12/2020	15/12/2020	-1	
67%		Bilateral meeting (2020)	3	2	67%	31/12/2020		0	Letter to Italian Ministry of Environment+ MoU with Po Basin Authority
0%		Plenary meeting (2021)	2	0	0%	31/12/2021		0	
0%		Bilateral meeting (2021)	3	0	0%	31/12/2021		0	
0%		Plenary meeting (2022)	2	0	0%	31/12/2022		0	
0%		Bilateral meeting (2022)	3	0	0%	31/12/2022		0	
0%		Plenary meeting (2023)	2	0	0%	30/9/2023		0	
0%		Bilateral meeting (2023)	3	0	0%	30/9/2023		0	
0%		Consultation meetings	2	0	0%	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	
TOTALE			25	4					

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

**March:** Research work for background information has started. First lake management organisation have been contacted and informed about the Blue Lakes project. First personal meetings took place. Agreed meetings with other organisations had to be cancelled due to the corona-situation.

**April:** Collection of background information for fact sheet. Virtual meetings with relevant organisations took place, like Green League and the division of Circular Economy of the Environmental Action Germany.

**May:** GNF and LCF had a first virtual meeting with representatives of the wastewater and environment association at Lake Chiemsee (AUV). Several meetings with scientific institutes at Lake Constance took place: Institut für Seeforschung (ISF), Fischereiforschungsstelle, German Water Centre (TZW), International Bodensee Konferenz (cooperative association).

**June:** A questionnaire has been sent to the members of the Living Lakes European Partnership in order to assess the current situation in their lake areas.

**July:** Preparation and research for background information of fact sheets is going on; LCF: Contact to the research group of students of the University of Ulm. GNF: Virtual meeting with HamburgWasser (Hamburg's drinking water supply and wastewater disposal operators). A virtual meeting with the International Waste Platform took place. They are interested in a further collaboration with the blue lakes project. A virtual meeting with the coordinators of the Living Lakes Subnetworks took place. They have been informed about the blue lakes project. Phone call with representative of the German Federal Environment Agency, Department of Wastewater Technology Research, Wastewater Disposal.

**August:** Preparation and research for background information of fact sheets is going on; First filled in questionnaires received from members of the Living Lakes European Partnership.

**September:** Preparation and research for background information of fact sheets is going on; the International Waste Platform offered GNF to present the Life Blue Lakes project in one of their following members online meetings.

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

Starting date:	1/1/2020								
Original expected end date:	31/12/2022								
Updated expected end date:	31/12/2022								
Total months:	36								
RESPONSIBLE PARTNER: LEGAMBIENTE									
									0
ACTION PROGRESS STATUS									Activity delay indicator
0%									Delay
0%					0%				
Progress status	Type (M/D)	Activity	Expected amount	Achieved amount	% achieved	Expected Deadline	Actual or estimated deadline	Variation (months)	Note
0%	D	Fact Sheet (12-16 pages) microplastics for capacity building of NGOs	1	0	0%	31/12/2020	31/5/2021	5	The information and best practice examples of the factsheets developed in a participatory process together with the companies of the tyre, outdoor and cosmetic industry need to be included in the factsheet for NGOs. The schedule has to be adapted accordingly.
0%	M	Capacity Building workshop	1	0	0%	31/3/2022	31/3/2022	0	
0%	M	Side event/workshop in Brussels	1	0	0%	31/5/2022	31/5/2022	0	
0%	M	Webinars realized	1	0	0%	30/9/2022	30/9/2022	0	
TOTALE			3	0					

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## C.1 Monitoring of project impact

**July:** The first activities related to this action have been slightly delayed because of some technical problems due to the Covid-19 crisis.

**August:** The first activities related to this action have been slightly delayed because of some technical problems due to the Covid-19 crisis.

**September:** Preparatory activities are started. A meeting was planned with ARPA and ENEA on 28.09 in order to implement the sub-action C.1.2. E mail contacts were taken with UNIVPM in order to define the implementation of sub-action C.1.3.

C.1 Monitoring of project impact									
	Starting date	1/4/2020							
Original expected end date:		30/9/2023						Last update:	16/5/2021
Updated expected end date:		30/9/2023						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	42							
								0	Activity delay indicator
9%	ACTION PROGRESS STATUS					32%		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	The Project Impact Ex ante Report has been postponed to November 2020, instead of September 2020, due to COVID-19 emergency.
0%	D	Project Impact Ex ante Report	1	0	50%	30/9/2020	30/11/2020	2	
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%		Feed back forms for participants to events	1	0	0%	30/9/2020		0	
0%		Lake Paper adoption by 20 Municipalities (action B.2)	20	0	0%	30/9/2021	30/9/2021	0	
0%		100 Questionnaires for students (action D.2)	1	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	
		TOTALE	32	3					

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## C.2 Socio economic impact.

**May:** The preliminary activities for the implementation of the ex ante survey started. A meeting took place remotely (Skype) on the 12th of May with the referent persons that have been charged with the questionnaire and interviews.

**June:** The activity plan and the timetable of the Action C2 were defined. The text of the interviews was drafted and it was shared with GNF and LCF. A meeting took place remotely (Skype) on the 26th of June with the referent persons that have been charged with the questionnaire and interviews in order to define the approach for the administration of the interviews. Another meeting was planned for the 8th of July in order to share the methodology with LCF and GNF.

**July:** A meeting took place remotely (Teams) on the 8th of July with LCF, GNF and the referent people that have been charged with the questionnaire and interviews in order to share the methodology with them. The final text of the interview was defined and the list of stakeholders to be interviewed was drafted thanks to the collaboration of all the beneficiaries. Interviews have been started during this month.

**August:** LCF, GNF: Interviews and invitation letter have been translated in to German. Invitation for interviews have been sent to selected interview partners in Germany. LEGAMB: six interviews realized, three interviews planned for the next few days.

**September:** The activity is in progress. A meeting took place remotely (Teams) on 17.09 with the referent people that have been charged with the questionnaire and interviews in order to have an update. 8 interviews were realized in IT and the first draft of the questionnaire was defined

LCF, GNF: Interviews have been conducted with representatives at Lake Constance and Lake Chiemsee. Answers will be translated into English.

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## C.2 Socio economic impact

C.2 Socio economic impact									
	Starting date	1/10/2019							
Original expected end date:		30/9/2023						Last update:	16/5/2021
Updated expected end date:		30/9/2023						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	48							
0%	ACTION PROGRESS STATUS					47%		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 ex ante evaluation	1	1	100%	1/2/2020	12/5/2020	3	The start of the ex ante evaluation was delayed due the problems related to the Covid-19 pandemic
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	
75%		Interviews	20	15	75%	31/7/2020	30/11/2020	4	
0%		Questrionnaires	300	0	0%	30/9/2020	31/12/2020	3	
0%	D	Ex ante report	1	0	0%	30/9/2020	31/10/2020	1	
0%	D	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	
		TOTALE	3	0					

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## D.1 Project branding and communication activities

On December 2019, the procedures for the identification of the agency that will take care of the project visual (logo, pay off, etc.) and the graphic design of the communication products have been started. A meeting of the project team involved in communication activities was held on 28 January at Legambiente's headquarters. At that meeting, discussions continued on the organization of the press conference to launch the project during the first monitoring visit scheduled for spring. As location, after having discarded Trasimeno for logistical reasons, the Lake of Bracciano, the site of some project activities related to the monitoring of microplastics, was thought to be the location. A new meeting has been convened for February 1st to which ENEA's representatives who have direct contact with the communications of Lake Bracciano have been invited. The agency that will take care of the project visual (logo, pay off, etc.) and the graphic design of the communication products and web site has been identified. The first graphic proposals are expected on February 12th. GNF and LCF have published a project presentation page on their respective websites. On 3 and 25 February two skype meetings were held between the teams of legambiente and ENEA aimed to the organization of the press conference for the launch of the project during the first monitoring visit scheduled for 18/20 May at Lake Bracciano. The agency selected for the design of the project visual (logo, pay off, etc.) and the graphic design of the communication products and the website provided the first graphic proposals on which changes were requested and then shared with the rest of the partnership. The final choice of the Logo was made on Friday 21 and the graphics agency was given the mandate to create the branding box. The first texts were drafted for the static section of the project site under construction.

**March:** Logo and branding box (letterhead, FB cover image, power point template, document cover) have been realized in line with the expected timing. Texts and graphic layouts of the communication materials have been produced on schedule. In the first week of April the final versions of all the planned products were ready: Roll-up; Information Board; and Leaflet. GNF has produced an additional roll up on the topic of microplastic pollution of lakes as part of the existing traveling exhibition of the Network Living Lakes Germany". The project website has been created and static content in Italian is currently being uploaded. In the coming weeks the static sections in English and German will be finalized. The website will be online by the scheduled date (31 March 2020). A new section about the Blue Lakes project has been published on the GNF website in German and English. ([www.globalnature.org/en/microplastic-in-lakes](http://www.globalnature.org/en/microplastic-in-lakes)). Due to the COVID-19 emergency, the organization of the project launch press conference during the first monitoring visit scheduled for 18/20 May at Lake Bracciano have been temporarily frozen, waiting to know how the emergency situation will evolve.

**April:** The Project Logo and visual identity including the information materials such as the Information Board, Roll-up and the Leaflet were released by the end of march 2020 as foreseen in the approved project proposal. The deadline for the realization of the brochure was postponed to the next year. A dedicated FB page was

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created. The media communication (facebook, instagram, twitter, youtube) is ready to start. GNF: Translation of texts for project website into German.

**May:** The realization of gadgets and one video clip is on progress. A meeting to define the communication strategy took place between Legambiente, GNF and LCF using Microsoft Teams Platform (26.05). During the meeting, the social media strategy, the design of dedicated information materials and the project website management were discussed. Video presentations of the project's partners were uploaded on the YouTube playlist. Information regarding the project and partners, as well as logos, video and photographic material were collected.

**June:** The work of coordination and logistics for the production of promotional materials, for the definition of gadgets, graphics and the choice of manufacturers is completed. The script of the first video is mostly done. GNF has started a social media action called "MinusMicroplasticsMonday". Consumers will regularly be informed about possibilities to reduce (micro)plastic waste. We publish an average of 3 posts per week on the project's social media and the website is also constantly updated with news and articles. On 3 July there will be the official launch of the project for which the press release has been produced, the partners' statements have been collected and the press kit with photos, videos, logos and description of the project and partners has been completed.

**July:** The website was regularly updated and 3 news were added. The English version of the home page was updated with the translation of the news. Two pages have been added where to download promotional materials and some gadgets. The social networks (Facebook, Twitter, Instagram and Youtube) have been updated on average three times a week with content always diversified (pictures, videos, infographics) GNF continues to contribute with the #MinusMicroplasticMonday Consumer Tips that are published once a week on the GNF-facebook page and then shared on all social networks project. "GNF: 2nd July: Sent out press release to German media contacts. 3rd July: Interview on Blue Lakes Project in Radio Teddy News on International Day Against Plastic Bags. LEGAMB 3rd July: Sent out press release to Italian media contacts. Collected a large press review; ENEA 9th July: Sent out a newsletter about the projects focussed on lakes. Collected a large press review; ENEA 16th July: Sent out a newsletter about the projects focussed on lakes. Collected a large press review; ARPA 22th July: Sent out press release about sampling on Lake Trasimeno. Collected a large press review; LEGAMB 30th July: Published a video about Goletta, sampling activities and general description of the project.

**August:** The website was regularly updated and 2 3 news were added. The social networks (Facebook, Twitter, Instagram and Youtube) have been updated on average once a week with content always diversified (pictures, videos, infographics).

**September:** Participation of the Project's scientific referent at the event "Dalla lavatrice ai ghiacciai passando per il lago di Como" on 18.09, [https://www.youtube.com/watch?time\\_continue=37&v=yXPYoo6d9DU&feature=emb\\_title&ab\\_channel=CiaoComo&fbclid=IwAR2f85aOd9O7KISvZyl3MxwOXmvzU9jRXCEyURdtHjzonY4NcsY-3QJq8k](https://www.youtube.com/watch?time_continue=37&v=yXPYoo6d9DU&feature=emb_title&ab_channel=CiaoComo&fbclid=IwAR2f85aOd9O7KISvZyl3MxwOXmvzU9jRXCEyURdtHjzonY4NcsY-3QJq8k). TV service on :

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## D.1 Project branding and communication activities

Starting date		1/10/2019							
Original expected end date:		30/9/2023							
Updated expected end date:		30/9/2023						RESPONSIBLE PARTNER: LEGAMBIENTE	
Total months:		48							
								0	
81%		ACTION PROGRESS STATUS		72%				0	
								Delay	
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	The layout of the Roll up needed 1 month more than expected to be finalized due to technical issues.
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	The production of the Press kit needed 2 months more than expected to be finalized due to technical issues.
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	The launch of the project social profiles needed 2 months more than expected due to technical issues.
100%	M	Social profiles and Youtube channels	1	1	100%	31/3/2020	31/5/2020	2	
0%	M	Initial Press Conference	1	0	100%	31/3/2020	3/7/2020	3	The Covid-19 outbreak forced us to postpone the organization of the initial Press Conference New deadline (modified in the EAP) because of technical considerations regarding the contents of the brochure.
0%	D	Brochure (layout)	1	0	0%	30/6/2020	30/6/2021	12	
100%	D	Gadget (6.000)	1	1	100%	30/6/2020	30/9/2020	3	
0%	D	2 Video clip	2	0	50%	30/6/2020	30/11/2020	5	
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	
TOTALE			36	29					

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L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE

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## D.2 Awareness campaign

**April 2020:** The first script for the Lake Theatre was realized. GNF: In preparation for the awareness campaign in Germany, the GNF compiled information for a brochure for consumers with tips on how to reduce the use of (micro) plastic.

**May:** GNF: The text for an information flyer with background information on microplastics and tips for consumers has been prepared for the awareness raising campaign at Lake Constance and Lake Chiemsee. A communication agency has been selected from a restricted tendering procedure to support GNF in the implementation.

**June:** D.2.3 Lake Theatre: ENEA has organized call with the theatre company to plan the activities and organize the show scheduled for October. The first layout draft of the information flyer for consumers in the German lake areas with background information on micro plastics and tips to reduce (micro) plastic waste has been prepared by the communication agency. Also, a draft of the CityCards has been prepared which will be distributed in restaurants and bars in order to promote the blue lakes project.

**July:** D 2.3 Lake Theatre: ENEA continued the preparatory activity for the realization of the show.

**September:** The project was cited on WaterJPI NL <http://www.waterjpi.eu/resources/newsletter/newsletter-septembre-2020/environment-lakes-enea-takes-action-against-cyanobacteria-and-microplastics>

The project was presented in occasion of NET - Scienza Insieme. (public event addressed to students) on 25.09. A meeting took place on 29.09 involving Legambiente staff to define the implementation of the educational program for schools in Italy. D.2.3 Lake Theatre-ENEA: dramaturgy production and start of rehearsals.

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## D.2 Awareness campaign

	Starting date:	1/7/2020							
	Original expected end date:	30/9/2022							
	Updated expected end date:	30/9/2022						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	27							
								0	Activity delay indicator
12%	ACTION PROGRESS STATUS				18%			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	
0%	M	1st Lake Theatre edition (Trento and Rome)	1	0	80%	31/7/2020	30/11/2020	4	
0%	D	2st Script	1	0	0%	30/4/2021	30/4/2021	0	
0%	M	2nd Lake Theatre edition	1	0	0%	31/7/2021	31/7/2021	0	
0%	D	Educational Kit	1	0	0%	31/7/2021	31/7/2021	0	
0%	M	1st edition Lakes Day	1	0	0%	31/8/2021	31/8/2021	0	
0%		Edu-kit distribution (November 2021 – January 2022)	1	0	0%	31/1/2022	31/1/2022	0	
0%		1st education path	1	0	0%	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	
0%		Information stand at 6 festivities at the German lakes	1	0	0%	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			17	2					

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## E.1 Project management

On November 26th the kick off meeting of the project was held in Rome with the participation of all the partners during which the actions foreseen by the project and the administrative rules were illustrated.

In November a coordination meeting between the Legambiente project staff was also held. In December all the issues related to the signing of the Partnership Agreement by the partners were finalized and the payment requests were received. A skype coordination meeting between GNF and Legambiente was held on 13 February where several issues related to the planning of the various project actions and information sharing methodologies were discussed.

**April:** Coordination activities continue regularly. The coordination partner and the others partners are constantly in contact through e mail and skype in order to coordinate technical and administrative activities.

**May:** On May 11 and 13, the Steering and the Executive Committees meetings took place by using Microsoft Teams Platform. During those meetings the project beneficiaries had provided all the technical and administrative updates, problems and delays had been discussed and solutions were proposed. On May 20th, the first project monitoring visit took place by using Microsoft Teams Platform. Project partners provided all the technical and administrative information and documents required.

**July:** Coordination activities are regularly ongoing. The coordinating beneficiary and the associated ones constantly keep in touch (email and skype) for discussing technical and administrative issues.

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## E.1 Project management

E.1 Project management									
	Starting date	1/10/2019							
Original expected end date:		30/9/2023							
Updated expected end date:		30/9/2023						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	48							
27%	ACTION PROGRESS STATUS					44%		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	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%		Riunioni Steering Committe (2020)	2	2	100%	n.a	13/5/2020 - 08/10/2020		
100%		Riunioni Executive Committe (2020)	2	2	100%	n.a	13/5/2020 - 08/10/2020		
0%	D	Progress report	1	0	100%	31/10/2020		0	
0%		Riunioni Steering Committee (2021)	2	0	0%	n.a			
0%		Riunioni Executive Committee (2021)	4	0	0%	n.a			
0%	D	Midterm report	1	0	0%	30/9/2021		0	
0%		Riunioni Steering Committee (2022)	2	0	0%	n.a			
0%		Riunioni Executive Committee (2022)	4	0	0%	n.a			
0%		Riunioni Steering Committee (2023)	2	0	0%	n.a			
0%		Riunioni Executive Committee (2023)	4	0	0%	n.a			
0%	D	After-Life Communication Plan	1	0	0%	30/9/2023		0	
0%	D	Final Report	1	0	0%	31/12/2023		0	
		TOTALE	30	8					

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

Periodic monitoring of project activities has started and is continuing on a constant and regular basis.

E.2 Monitoring of the project progress and KPI									
	Starting date	1/10/2019							
	Original expected end date:	30/9/2023							
	Updated expected end date:	30/9/2023						RESPONSIBLE PARTNER:	LEGAMBIENTE
	Total months:	48							
								0	Activity delay indicator
25%	ACTION PROGRESS STATUS				100%			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	
0%	D	II° Annual monitoring report	1	0	0%	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	
		TOTALE	4	1					

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