

Executive Agency for Small and Medium Sized Enterprises (EASME)  
LIFE Key Project Level Indicators  
LIFE Call for Proposals 2019

## At the end of the project

Objective	Indicators	Estimated Impact (absolute values)	Estimated Impact (in %)*	Please comment and give brief explanations of assumptions used for the calculation	
<b>* Change expected (in %) compared to the initial situation. Please explain reference data used to set the initial situation. This is normally directly linked to the baseline you have developed in the proposal.</b>					
Improved Environmental and Climate Performance (including resilience to climate change)	Reduction of greenhouse gas emissions (GHG)	CO2	tons / year	% change	
		Methane	tons / year	% change	
		Other GHG (please specify)	tons / year	% change	
	Air quality and emissions	Air Pollutants (please specify: NOx, PM, etc)	in ppm	% change	
	Reduction / substitution of dangerous substances	Irritant / Corrosive / T oxic	(gr/kg/tons) / year	% change	
		Mutagenic / Carcinogenic	(gr/kg/tons) / year	% change	
		Persistent / Bioaccumulative	(gr/kg/tons) / year	% change	
	Waste management	Waste Reduction	tons / year	% change	Please specify origin: Prevention, reuse, recycling, etc.
	Water	Improved resilience to flooding	inhabitants (improved conditions) hectars (improved conditions)	% change	
				% change	
		Improved Water Quality	m3/year	% change	
Better use of natural resources	Reduced resource consumption (excluding energy)	Raw materials	tons / year	% change	
	Water	Reduced water consumption	m3 / year	% change	
Sustainable land use, agriculture and forestry	Energy	Energy from Renewable Energy Sources	kwh / year	% change	
		Reduced energy consumption	kwh / year	% change	
	Forestry	Reforested areas; increase in area under sustainable forest management	ha	% change	
	Agriculture	Areas of agricultural land under sustainable management	ha	% change	
	Soil / Land	Soil Surface improved	ha	% change	
Improved Nature, Species and Biodiversity	Habitats	Po basin principal river corridor reopened to free migration of eel (linear km)	1000	41%	Principal Po river basin corridor potentially suitable for eel: about linear 2,400 km, correspondent to the linear develop of these plantital and submountain river reaches (extract from the "Study for the defragmentation of the Po river basin" drafted during LIFE ConFluPo) including: Taro (56,023 km); Scrivia (47,157 km); Trebbia (26,499 km); Panaro (92,755 km); Secchia (105,507 km); Mincio (60,933 km); Agogna (116,349 km); Sesia (75,823 km); Adda (134,974 km); Ticino (107,964 km); Oglio (154,005 km); Tanaro (57,058 km); Terdoppio (55,446 km); Lambro (121,4 km); Olona (55,781 km); Lambro Meridionale (49,485 km); Po (639,480932 km); linear develop of the lakes (Maggiore, Varese, Monate, Comabbio, Garda, Como, Iseo, Idro, Lakes Briantei) (estimated 450 km)
		Nestos River corridor reopened to free migration of eel (linear km)	70	35%	The project will restore the free eel migration in 70 km long from the sea. The total lenght of the reach potentially suitable to eel is about 200 km.
		Wildlife Species	n. 1 species in Critical status of conservation: Anguilla anguilla (Silver eel escapement from freshwater: tonnes)	11.6	50%



Economic Performance, Market Uptake, Replication	n. 1 species in Critical status of conservation: Anguilla anguilla (juveniles released into the wild: number)		6,400,000.00	100%	Currently in the EMU_Emil there's no release of juveniles into the wild. The project will release 6,400,000 juveniles by the end of LIFEEL in 2024.
	Alien Species	Reduction of invasive alien species	Population/ha Population/m3	% change	
	Employment	Jobs created	FTE PTE	9 2	9 additional staff will be Full Time Employed on the Project (FTE) 2 additional staff will be Part Time Employed on the Project (PTE)
	Replication / Transfer	N . of replication / Transfer	1	not applicable	At a National level: the main replication will be in Greece, associated beneficiary, where the concrete conservation actions of the project will be replicated (skills and protocols, mostly)
			4	not applicable	At European level, the project will involve technicians and fish farmers form all over Europe to participate to Project activities in order to be trained on the original project protocols and outputs
			Expected revenues	Euros	not applicable
			market size in number of customers	customers	not applicable
			Reduction of cost per unit or process	in Euros / unit	% change
	Payback Time	capital invested / net income	in years	not applicable	
	Awareness raising	Eel farmers	200	not applicable	
Communication, dissemination, awareness rising		Fishermen	100	not applicable	
		Local anglers	2,800	not applicable	
		Italian and Greek anglers	220,000	not applicable	
		Hydropower companies	5	not applicable	
		Students	8,400	not applicable	
		Local population	10,000	not applicable	
	Website and FB page	people reached	1,000,000	not applicable	
	Behavioural change	Number of entites/individuals changing behaviour	15,000	not applicable	
Other (please specify)					



**3 or 5 years after the project** **Select →** **5 years after the project**  
(5 years mandatory for Nature Projects)

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Improved Environmental and Climate Performance (including resilience to climate change)	Reduction of greenhouse gas emissions (GHG)	CO2	tons / year	% change
		Methane	tons / year	% change
		Other GHG (please specify)	tons / year	% change
	Air quality and emissions	Air Pollutants (please specify: NOx, PM, etc)	in ppm	% change
	Reduction / substitution of dangerous substances	Irritant / Corrosive / Toxic	(gr/kg/tons) / year	% change
		Mutagenic / Carcinogenic	(gr/kg/tons) / year	% change
		Persistent / Bioaccumulative	(gr/kg/tons) / year	% change
	Waste management	Waste Reduction	tons / year	% change
	Water	Improved resilience to flooding	inhabitants (improved conditions)	% change
			hectars (improved conditions)	% change
		Improved resilience to droughts	hectars (improved conditions)	% change
Better use of natural resources	Reduced resource consumption (excluding energy)	Raw materials	tons / year	% change
	Water	Reduced water consumption	m3 / year	% change
	Energy	Energy from Renewable Energy Sources	kwh / year	% change
		Reduced energy consumption	kwh / year	% change
Sustainable land use, agriculture and forestry	Forestry	Reforested areas; increase in area under sustainable forest management	ha	% change
	Agriculture	Areas of agricultural land under sustainable management	ha	% change
	Soil / Land	Soil Surface Improved	ha	% change



Improved Nature, Species and Biodiversity	Habitats	Po basin principal river corridor reopened to free migration of eel (linear km)	1000	41%	Principal Po river basin corridor potentially suitable for eel: about linear 2,400 km, correspondent to the linear develop of these plantial and submontain river reaches (extract from the "Study for the defragmentation of the Po river basin" drafted during LIFE ConFluPo) including: Taro (56,023 km); Scrivia (47,157 km); Trebbia (26,499 km); Panaro (92,755 km); Secchia (105,507 km); Mincio (60,933 km); Agogna (116,349 km); Sesia (75,823 km); Adda (134,974 km); Ticino (107,964 km); Oglio (154,005 km); Tanaro (57,058 km); Terdoppio (55,446 km); Lambro (121,4 km); Olona (55,781 km); Lambro Meridionale (49,485 km); Po (639,480932 km); linear develop of the lakes (Maggiore, Varese, Monate, Comabbio, Garda, Como, Iseo, Idro, Lakes Briantei) <i>(estimated 450 km)</i>
		Nestos River corridor reopened to free migration of eel (linear km)	70	35%	The project will restore the free eel migration in 70 km long from the sea. The total lenght of the reach potentially suitable to eel is about 200 km.
	Wildlife Species	n. 1 species in Critical status of conservation: Anguilla anguilla (Silver eel escapement from freshwater: tonnes)	23.2	100%	The current escapement from freshwater in EMU_Emil is estimated in about 9 t/y (Capoccioni F, Leone C, Cicotti E, 2019. Report on the eel stock, fishery and other impacts, in ITALY. Country Reports 2018–2019: Eel stock, fisheries and habitat reported by country. ICES SCIENTIFIC REPORTS, 1:50). We consider a major current escapement, adding to the 9 tonnes the escapement for the tidal waters, because our contribute is in part also on this environment.
		n. 1 species in Critical status of conservation: Anguilla anguilla (juveniles released into the wild: number)	8,000,000.00	100%	Currently in the EMU_Emil there's no release of juveniles into the wild. The project will release 8,000,000 juveniles by 5 years after the end of LIFEEL in 2029.
	Alien Species	Reduction of invasive alien species	Population/ha Population/m3	% change	
	Employment	Jobs created	FTE	9	There are concrete possibilities that the additional staff will be confirmed also after the end of the project
			PTE	2	There are concrete possibilities that the additional staff will be confirmed also after the end of the project
	Replication / Transfer	N. of replication / Transfer	1	not applicable	At a National level: the main replication will be in Greece, associated beneficiary, where the concrete conservation actions of the project will be replicated (skills and protocols, mostly)
			10	not applicable	At European level, even after the end of the project, it will involve technicians and fish farmers form all over Europe to participate to Project activities in order to be trained on the original project protocols and outputs
	Market uptake	Expected revenues	Euros	not applicable	
Economic Performance, Market Uptake, Replication	Reduction of cost per unit or process	market size in number of customers	customers	not applicable	
			in Euros / unit	% change	
	Payback Time	capital invested / net income	in years	not applicable	
	Awareness raising	Eel farmers	200	not applicable	
			100	not applicable	
		Local anglers	3,500	not applicable	
		Italian and Greek anglers	220,000	not applicable	
Communication, dissemination, awareness rising		Hydropower companies	5	not applicable	
			8,400	not applicable	
		Local population	25,000	not applicable	
	Website and FB page	people reached	1,000,000	not applicable	
	Behavioural change	Number of entites/individuals changing behaviour	15,000	not applicable	
Other (please specify)					