



THE AFTER LIFE PLAN Action F3























Index

The LIFE WetFlyAmphibia project	3
Adoption of the After-Life Plan	6
Maintenance of conservation interventions (action C1)	7
Reintroduction actions of target species (action C2)	14
Germplasm conservation (C3 action)	16
The continuation of the monitoring of the actions carried out (actions D1 and D2)	17
The continuation of the dissemination activities (actions E)	19
Conclusions	22





















The LIFE WetFlyAmphibia project

The project proposes to carry out a series of conservation actions necessary to stop the threats to the populations of interest of amphibians and butterflies of wet open areas (*Bombina variegata pachypus*, in strong decline at national level, *Salamandrina perspicillata*, *Triturus carnifex*, *Euplagia quadripunctaria* and *Eriogaster catax*). These actions mainly consist, in addition to those for the strengthening of populations, in the restoration of humid environments that have greatly reduced over time by thus indirectly causing the reduction of related species. The restoration of these environments does not only involve the physical construction of wetlands but also the preparation of these as host return for some habitats that are currently being reduced (habitat 6430) through the vegetational restoration of these areas.

Specific objectives of the project are:

- improving the conservation status of amphibian populations by strengthening populations, eliminating threat factors, improving the conservation status of their habitats and creating new breeding areas;
- the improvement of the conservation status of the butterfly populations *Euplagia* quadripunctaria* and *Eriogaster catax* through the improvement of the conservation status of their habitats:
- the improvement of the conservation status of open areas wetlands (habitat 6430) and of the rare or unique botanical species connected to these areas with the aim to reduce the degree of threat to their extinction through the ex situ conservation of germplasm, reproduction and vegetational restoration;
- increasing the public awareness on the conservation needs of amphibian and butterfly species.

The study area

The National Park of the Foreste Casentinesi, Monte Falterona and Campigna, with its 36,000 hectares, between Romagna and Tuscany, is one of the most forested parks in Italy and contains a UNESCO World Heritage Site: the Integral Natural Reserve of Sasso Fratino (the first integral reserve established in Italy in 1959) with one of the best preserved ancient beech woods of the whole European continent. The park is largely covered by wood, which becomes a secular forest in more than 5,000 hectares of the Casentinesi biogenetic reserves and in monumental forest that surrounds the Franciscan sanctuary of La Verna. There are 11 Natura 2000 sites that fall within the boundaries of the National Park and cover its entire surface.





















Action C1: conservation interventions

Under Action C1 of the project took place interventions for the conservation and consolidation of the populations of the project's target species. The interventions consisted in the construction of new wetlands, in the restoration and creation of fountains and drinking troughs, in the deepening or improvement of existing pools and in the restoration of the typical vegetation of habitat 6430 through the planting of typical species of wet environments and also to favor the presence of the two species of butterflies. In some cases, ancillary interventions were envisaged: cutting of tree and shrub vegetation in an open environment, installation of fences to prevent access of livestock to the pools, installation of climbing ladders in drinking troughs, installation of captation works for the construction of new pools also through the recovery of sources.

Thanks to the LIFE WetFlyAmphibia project, over 200 interventions have been carried out in more than 125 sites. Many of these intervention sites will require maintenance actions in the future to maintain the natural environments and reproductive sites created.

Action C2: reintroduction actions

Action C2 made possible to expand the distribution area of *B. variegata pachypus* and *S. perspicillata* through captive breeding actions. The reintroduction of *B. variegata pachypus*, due to the biology of the species and to the presence of rare populations, took place through the collection of eggs, the ex situ maintenance of the tadpoles born in the aquarium and the release of the same before the complete metamorphosis. The reintroduction of *S. perspicillata*, a species which instead has numerous and abundant populations on the Adriatic side of the Park, took place through the simple translocation of eggs in the conservation areas of the Tuscan side, or where the species was recently reported up. To date, in the 4 reintroduction sites of *B. variegata pachypus* and in the 5 reintroduction sites of *S. perspicillata* is necessary to continue with the restocking activities, until natural reproduction by the re-introduced individuals takes place and the population can support themselves.

Action C3: the production of vegetative material for the restoration of habitat 6430

Under Action C3 took place the collection of germplasm and its ex situ conservation for the main constituent species of habitat 6430. The selected species were then reproduced in the nursery and planted at some intervention sites, in order to favor the re-naturalization of the areas following the construction sites for the implementation of the interventions. It is therefore considered necessary to guarantee the ex situ conservation of the germplasm even after the conclusion of the project.





















Actions D1 and D2: monitoring of the actions carried out

The project carried out various monitoring to evaluate the effectiveness of the project and its actions. In particular, monitoring of conservation actions C1 and C3 was envisaged through investigations of the intervention sites to verify the presence of the target species, the effectiveness of the conservation actions and the effectiveness of the reintroduction of *B. variegata pachypus* and *S. perspicillata* through repeated inspections in the reintroduction areas over subsequent years. It is considered appropriate to continue with some of these monitoring even after the conclusion of the project.

Actions E: dissemination and environmental education

The main purpose of these actions was to obtain the support of the local communities and to promote the project among the citizens. This was achieved thanks to the installation of notice and information boards on the purposes of the project and through the continuous updating of the project's website and Facebook page on the activities carried out.

Educational activities were also carried out in schools, accompanied by the creation and distribution of specific educational and information material and the creation of explanatory and summarizing videos of the activities. Three didactic itineraries were also created which today constitute an added value for the Park territory and will allow the Environmental Hiking Guides to propose thematic activities. Some of these actions require continuity in order to give effectiveness to the dissemination work carried out during the project years.





















Adoption of the After-Life Plan

Through the actions listed above, the project overall involved a large part of the Park territory, more than 125 intervention sites located within the Park which can be distinguished as follows:

- areas located within the State Property of the Emilia-Romagna Region managed by the Union of Municipalities of Romagna Forlivese, whose maintenance will be borne by the Park Authority;
- areas located within the State Property of the Tuscany Region managed by the Union of Municipalities of the Casentino or the Union of Municipalities of Valdarno Valdisieve, whose maintenance will be borne by the respective Unions of Municipalities with the collaboration of the Park Authority;
- areas located within the State Reserves managed by the Carabinieri Biodiversity Department of Pratovecchio, whose maintenance will be borne by the Carabinieri Department in collaboration with the Park Authority.

Since the project intervened on small wetlands, often subject to rapid dynamic physical and vegetational evolution, it is necessary to ensure that these environments are kept in a satisfactory state of conservation for the purposes of the project and the conservation of the target amphibian populations.

This After LIFE Plan therefore identifies for each project action a maintenance and management plan for the intervention areas valid for at least 10 years.

Once the final report and the connected AfterLIFE have been approved by the European Commission, the committed beneficiaries will adopt a formal act with which they will undertake to carry out the planned interventions, which will be sent to the European Commission for information. The spending commitments for the implementation of the interventions, not being able to be multi-year, will be assumed annually with a specific determination of the competent Services.





















Maintenance of conservation interventions (action C1)

The first activity that is foreseen with the After LIFE Plan is for the maintenance of the efficiency of the interventions carried out with the project.

Above all, it is considered essential to create a maintenance plan for each project action in order to ensure that the interventions carried out are kept in a satisfactory state. In fact, it must be considered that the interventions have often concerned small wet areas, often subject to rapid dynamic, physical and vegetational evolution. The main maintenance interventions to be taken into account are therefore:

- the deepening of wet areas, if they face burial of surfaces;
- the mowing of the surrounding vegetation, if this becomes a weed and evolves towards shrubs and / or trees:
- verification or improvement of the water flow, if necessary;
- verification of the need to create fences to protect the habitat.

The necessary activities and which beneficiary will be responsible are listed in the following pages for each area or grazing / forest complex. DREAM will take care of the design that may be necessary for the planned maintenance interventions.

The economic resources will in part be allocated directly by the beneficiaries and in part will be guaranteed by the LIFE ShepForBio (LIFE20 NAT/IT/001076) project which started at the end of 2021 on some of the same grazing areas. Regarding the interventions for the conservation of *B. variegata pachypus*, a new LIFE project has been presented (LIFE ReBomb - Proposal ID: 101074510) and therefore, in case of approval, many new interventions can be supported by the new project.

The economic resources necessary for the <u>maintenance of the interventions</u> carried out will be allocated directly by the beneficiaries. Much of this maintenance action will be supported at no cost thanks to the direct involvement of the concessionaires of the grazing areas in which the interventions are located and thanks to the involvement of the volunteers of the National Park.

The implementation of <u>new interventions</u> for the conservation of *B. variegata pachypus* will instead be financed in part by the PNFC and in part by the LIFE ShepForBio project which started at the end of 2021 on some of the same pasture areas. Furthermore, a new LIFE project (LIFE ReBomb - Proposal ID: 101074510) has also been presented and therefore, in case of approval, the new interventions will also be able to count on the financial support of this project.

There are 25 pasture complexes in which maintenance has been planned on 86 intervention sites of the LIFE WetFlyAmphibia project. The table below indicates the maintenance managers, the types of interventions required and the frequency with which they are necessary.

The amounts that will be invested in the next 10 years after the closure of the project amount to € 99,000 divided into € 45,000.00 for PNFC, € 24,000.00 for UMCASEN and € 30,000.00 for CUFA. To these must be added the € 1,000 of DREAM for the design of the interventions to be carried out





















Locality or pasture complex	ID. intervention	Type of intervention	Intervention frequency	Responsible beneficiary	Estimate cost	Source of resources
Pian Baruzzoli	9937	- Periodic check of drinking trough functionality	annually	PNFC	-	Pasture tenant Area involved in the LIFE ShepForBio project
Briganzone	9976, 9938	- Periodic check of drinking trough functionality	annually	PNFC	_	Pasture tenant
Pasture complex Pian d'Astura - Casa Nuova	38, 39, 9958, 9956, 40, 9906, 9907, 42, 43, 44, 9972	 Periodic check of drinking trough functionality Deepening of puddles Fence maintenance Construction of a new drinking trough and fenced pools on site 9972 	- annually - every 5 years - every 5 years - una tantum	PNFC	- - - Construction of a drinking trough and fenced pools: 15,000 €	Pasture tenant and/or Park volunteers Funds from the LIFE ShepForBio project
Pasture complex Bucine - Campore	9908, 9973, 41, 77, 9911	- Periodic check of drinking trough functionality - Deepening of puddles - Fence maintenance	- annually - every 5 years - every 5 years - una tantum	PNFC	- - -	Pasture tenant and/or Park volunteers





















Locality or pasture complex	ID. intervention	Type of intervention	Intervention frequency	Responsible beneficiary	Estimate cost	Source of resources
		- Construction of a new pond at the site 77			Construction of the pond: 2,500 €	Area involved in the LIFE ShepForBio project but funds from the PNFC
Pasture complex Monte dei Gralli	9925, 9978, 9903, 9979	- Periodic check of drinking trough functionality - Deepening of puddles - Possible construction of fences to protect the pools	- annually - every 5 years - una tantum	PNFC	- - New fences: 1,500 €	Pasture tenant and/or Park volunteers Own funds of the Entity
Pasture complex Frassineta - Concolle	46, 9981, 9982,9983	 Periodic check of drinking trough functionality Deepening of puddles Fence maintenance Possible restoration of drinking trough 	- annually - every 5 years - every 5 years - una tantum	PNFC	- - - Restoration of drinking trough: 8,000 €	Pasture tenant and/or Park volunteers Funds from the LIFE ShepForBio project
Pasture complex Sassello - Pian di Castagno	9919, 9918, 9926, 9980, 9922, 9921, 9971, 99200	- Periodic check of drinking trough functionality - Deepening of puddles	- annually - every 5 years - una tantum	PNFC	-	Pasture tenant and/or Park volunteers





















Locality or pasture complex	ID. intervention	Type of intervention	Intervention frequency	Responsible beneficiary	Estimate cost	Source of resources
		- Construction of fences to protect the pools at 9971 - Construction of a new pond at 9922	- una tantum		New fences: 1,500 € Construction of the pond: 2,500 €	Area involved in the LIFE ShepForBio project but funds from the PNFC
Pasture complex Valbiancana	9999, 70, 9974, 50, 51, 52, 53, 54, 9910, 9912, 48	- Periodic check of drinking troughs functionality - Deepening of puddles - Fence maintenance - Construction of a new pond	- annually - every 5 years - every 5 years - una tantum	PNFC	- - - Construction of the pond: 2,500 €	Pasture tenant and/or Park volunteers Area involved in the LIFE ShepForBio project but funds from the PNFC
Pasture complex Monte Cavallo - Lavacchio	55, 56	- Periodic check of drinking troughs functionality - Restoration of the drinking trough at Monte Cavallo di sotto	- annually - una tantum	PNFC	- Restoration of the drinking trough: 10,000€	Pasture tenant and/or Park volunteers Area involved in the LIFE ShepForBio project but funds from the PNFC
Pasture complex Pian di Rocchi	9942, 9940	- Periodic check of drinking troughs functionality	- annually	PNFC	-	Pasture tenant























Locality or pasture complex	ID. intervention	Type of intervention	Intervention frequency	Responsible beneficiary	Estimate cost	Source of resources
Pasture complex Mandriolo	61, 63, 64, 9977	Periodic check of drinking troughs functionalityDeepening of puddlesFence maintenance	- annually - every 5 years - every 5 years	PNFC	- - -	Pasture tenant and/or Park volunteers
Pasture complex Eremo Nuovo - Bertesca	9944, 9955, 9941, 9975, 35	 Periodic check of drinking trough functionality Deepening of puddles Construction of fences to protect the pools at the site 35 	- annually - every 5 years - una tantum	PNFC	- - New fences: 1,500 €	Pasture tenant and/or Park volunteers Funds from the LIFE ShepForBio project
Pasture complex Gaviserri	9970	- Deepening of puddles - Fence maintenance	- every 5 years	PNFC	1 1	Pasture tenant and/or Park volunteers
Ridracoli	68	- Maintenance of anti-crossing barriers	- every 5 years	PNFC	-	Romagna Acque and/or Park volunteers
Intervention area Vitareta	9949, 28, 27, 9946, 9978, 9950, 29	- Deepening of puddles and fence maintenance (9949, 28, 27, 9946, 9978, 29)	- every 5 years	UMCASEN	Carried out by forestry workers UMCAS: 5,000 €	UMCASEN funds





















Locality or pasture complex	ID. intervention	Type of intervention	Intervention frequency	Responsible beneficiary	Estimate cost	Source of resources
Intervention area Vitamayer	9917, 19, 26, 31, 25	- Deepening of puddles and fence maintenance (9949, 9948, 28, 27, 9946, 9978, 29)	- every 5 years	UMCASEN	Carried out by forestry workers UMCASEN: 5,000 €	UMCASEN funds
Podere stradelli	34	 Periodic check of drinking troughs functionality Deepening of puddles Fence maintenance Mowing of the internal and external area of the fences 	- annually - every 5 years - every 5 years - every 5 years	UMCASEN	Carried out by forestry workers UMCASEN: 2,000 €	UMCASEN funds
Metaleto	96	 Periodic check of drinking trough functionality Deepening of puddles Planting of floristic species (if necessary) 	- annually - every 5 years	CFS	 inexpensive Carried out by forestry workers CFS: 8,000 € 	CFS funds
Capanno	91, 105	- Deepening of puddles	- every 5 years	CFS	- Carried out by forestry workers CFS: 5,000 €	CFS funds























Locality or pasture complex	ID. intervention	Type of intervention	Intervention frequency	Responsible beneficiary	Estimate cost	Source of resources
Prato al fiume	99	- Fence maintenance - Deepening of the pond	- annually - every 10 years	CFS	- inexpensive - Carried out by forestry workers CFS: 5,000 €	CFS funds
Lama	124, 84, 85, 9932	- Periodic check of drinking trough functionality - Deepening of the pond - Planting of floristic species (if necessary)	- annually - every 5 years	CFS	inexpensiveCarried out by forestry workers CFS: 6,000 €	CFS funds
Pozza del Cervo	104	- Fence maintenance - Deepening of the pond - Planting of floristic species (if necessary)	- annually - every 10 years	CFS	- inexpensive - Carried out by forestry workers CFS: 6,000 €	CFS funds





















Reintroduction actions of target species (action C2)

The second activity envisaged within this After LIFE Plan regards to the continuation of captive breeding actions. In fact, it is considered necessary to continue with the restocking activities, until natural reproduction by the reintroduced individuals occurs and the new populations will be able to support themselves without the need for support actions.

The costs will be borne by the PNFC, with the support of DREAM technicians. Regarding the conservation of *B. variegata pachypus*, a new LIFE project has been presented (LIFE ReBomb - Proposal ID: 101074510) and therefore, in case of approval, the costs related to the activities on the species will be borne by the new project.

Type of action: Reintroduction of the Apennine yellow-bellied toad

- Responsible beneficiaries: PNFC, DREAM
- Description: continuation of sampling activities from the source sites, transport to the farm and reintroduction to the reintroduction sites with the modalities envisaged in the LIFE WetFlyAmphibia project and annual drafting of the report illustrating the results. Maintenance of the equipment and consumables purchased during the project and use of n. 3 aquariums, in order to reduce the sampling and the impact on the source populations.
- Location: the collection of eggs will be carried out from the sites already identified during the project and the reintroduction in the areas already used during the project. The new ecological possible areas with those already identified should be evaluated.
- Intervention frequency: to be carried out annually, for at least 3 years and subject to subsequent evaluation. In case of need, plan to continue for another 3 years.
- Estimated cost: € 2,200 per year + management and maintenance of the equipment already available to the institution € 3,000 per year (approximately 150 working hours per year).

Type of action: Reintroduction of Savi's salamander

- Responsible beneficiaries: PNFC, DREAM
- Description: continuation of the activities of sampling from the source sites and reintroduction in the reintroduction sites with the modalities envisaged in the LIFE WetFlyAmphibia project and annual drafting of the report illustrating the results.
- Location: the collection of eggs will be carried out from the sites already identified during the project and the reintroduction in the areas already used during the project. The new ecological possible areas with those already identified should be evaluated.





















- Intervention frequency: to be carried out annually, for at least 3 years and subject to subsequent evaluation. In case of need, plan to continue for another 3 years.
- Estimated cost: € 700 per year

<u>Activities</u>	Responsible	Estimate cost	Source of resources
Reintroduction of the Apennine yellow-bellied toad	PNFC, DREAM	15,600 €	Own funds of the beneficiaries
Reintroduction of salamandrina di Savi	PNFC	2,100 €	Own funds

The reintroduction actions of Apennine yellow-bellied toad and the related costs for their implementation may be supported by a new LIFE project presented in call 2021 (LIFE ReBomb - Proposal ID: 101074510) or by an integrated LIFE NatConnect2030 project also in the presentation phase. Naturally, in the event that one of the two projects or both passes, in addition to covering the costs envisaged by this After LIFE plan, it/they will carry out actions with more ambitious objectives and consequently further strengthen the results.





















Germplasm conservation (C3 action)

As previously pointed out, it is considered necessary to ensure the ex situ conservation of the germplasm collected from the species selected within the project, relating to wetlands and habitat 6430, also following the conclusion of the project.

Type of action: Seed Banking at germplasm banks

- Responsible beneficiaries: UNIPV
- Description: the maintenance of the seeds collected during the project will be stored within germplasm banks, so as to have additional available material to be able to produce new plants for planting at the intervention sites, if deemed necessary.
- Estimated cost: € 2,000 per year as a bank management cost

<u>Activities</u>	Responsible	Estimate cost	Source of resources
Seed Banking at germplasm banks	UNIPV	€ 2,000 per year for a total of € 20,000 over 10 years	Own funds





















The continuation of the monitoring of the actions carried out (actions D1 and D2)

With the continuation of the maintenance of the interventions and the restocking actions it is necessary to continue also with the monitoring of the effectiveness of the conservation actions and with the monitoring of the effectiveness of the reintroduction of *B. variegata pachypus* and *S. perspicillata* through repeated inspections in the areas of reintroduction over subsequent years.

Type of action: Monitoring in the reintroduction sites of the Apennine yellow-bellied toad

- Responsible beneficiaries: PNFC
- **Description:** Monitoring in the reintroduction sites of Apennine yellow-bellied toad with the marking-recapture method foreseen in the LIFE project.
- Localization: at the sites already identified during the project.
- Intervention frequency: to be carried out annually, at least for a duration of 3 years.
- Estimated cost: € 2,300 per year

Type of action: Monitoring in the reintroduction sites of Savi salamander

- Responsible beneficiaries: PNFC
- Description: Monitoring in the reintroduction sites of Savi salamander with VES method (Visual Encounter Surveys) and repeated counts foreseen in the LIFE project.
- Localization: at the sites already identified during the project.
- Intervention frequency: to be carried out annually, at least for a duration of 3 years.
- Estimated cost: € 800 per year

Type of action: Monitoring of amphibians in the main intervention sites

- Responsible beneficiaries: PNFC
- Description: The monitoring will be carried out with at least two visits per year in the reproduction period (between March and July) using the VES method and repeated counts on a selection of 30 sites to be identified.





















- Localization: at a selection of 30 sites.
- Intervention frequency: to be carried out annually, at least for the duration of 5 years
- Estimated cost: € 4,000 per year over 5 years for PNFC and € 6,000 in total over 10 years for CFS for the areas within the State Reserves

<u>Activities</u>	<u>Responsible</u>	Estimate cost	Source of resources
Monitoring in the reintroduction sites of the Apennine yellow-bellied toad	PNFC	6,900 €	Own funds
Monitoring in the reintroduction sites of Savi salamander	PNFC	2,400 €	Own funds
Monitoring of amphibians in the main intervention	PNFC	20,000 €	Own funds
sites	CFS	6,000 €	Own funds

Also in this case, the Apennine yellow-bellied toad monitoring actions and the related costs for their implementation may be supported by a new LIFE project presented in call 2021 (LIFE ReBomb - Proposal ID: 101074510) or by an integrated LIFE NatConnect2030 project also in the presentation phase. Naturally, in the event that it passes, in addition to covering the costs envisaged by this After LIFE plan, it/they would carry out monitoring with more ambitious objectives and consequently further strengthen the results.





















The continuation of the dissemination activities (actions E)

To give continuity to the dissemination activity carried out during the project years, the following is envisaged:

Type of action: Environmental education with the schools of the Park

- Responsible beneficiaries: PNFC
- Description: the project and its printed materials will be offered to schools as part of the "Un Parco per te" project which involves the Comprehensive Institutes of the Park Municipalities every year. As part of the project, each teacher selects an environmental educator with tutor functions, the cost of which will be borne by the Park, whom will assist him for a total of 15 hours from the design stage, throughout the school year. Together they will decide, based on the training needs of the class and on the basis of the structure of the project, the interventions in the classroom and the outing on the territory.

During the outing, the class will also be accompanied by an Official Park Guide, the cost of whom will be borne by the Park, who will work alongside with the tutor on that day. The environmental educator and the guide will be chosen independently by the schools, which also have total autonomy in the choice of the topic to be explored during the school year. The PNFC will offer schools a course dedicated to the LIFE WetFlyAmphibia.

- **Intervention frequency:** the LIFE project will be offered every year to schools participating in the "Un Parco per te" project.
- Estimated cost:

PNFC: € 700 per year (including tutor, guide and various expenses) for each participating class, up to a maximum of 2 classes per year for each institution including the Municipalities of the Park (total 22 classes).

CFS: € 6,000 in total over 10 years

Action type: Distribution of printed materials

- Responsible beneficiaries: all beneficiaries
- Description: The products created by the project (brochures, Leyman's report and project publication) were delivered to all beneficiaries of the project. Each beneficiary will then be responsible for the distribution of the same through their own channels.
- Estimated cost: no expected costs.





















Type of action: Visibility at the Park Visitor Centers

- Responsible beneficiaries: PNFC
- **Description:** the products created and the project roll-ups will be exhibited at the park's visitor centers and will therefore enjoy a showcase even after the conclusion of the project.
- Estimated cost: no expected costs.

Type of action: Maintenance of the didactic paths and "Sentieri Natura" of the project

- Responsible beneficiaries: CFS
- Description: the project's "Sentieri Natura", which have also become the project's educational paths, will be maintained. This will guarantee the ordinary and extraordinary maintenance to them, by the Carabinieri Biodiversity Department of Pratovecchio, who already deal with the maintenance of the path network inside the State Reserves in agreement with the Park, and the maintenance of arrows, notice boards and panels present along the paths.
- Estimated cost: € 1,000 every two years

Type of action: Maintaining website and facebook page

- Responsible beneficiaries: DREAM
- **Description:** the website and the facebook page of the project will be maintained to a lesser extent than in the project period, by updating the contents and news on the continuation of the activities.
- Estimated cost: for website 6 days a year + 50 euro domain (830 € a year), for facebook 6 days a year (about 780 € a year)

Type of action: Raising awareness of Stakeholders (breeders and farmers)

- Responsible beneficiaries: PNFC, DREAM





















- Description: we shall continue with the awareness of farms through the distribution in the territory of the Park of documents of good practices for the management of drinking troughs, for the recovery or construction from scratch of drinking troughs and for the management of pools with the presence of *Bombina variegata pachypus*, made during the project.
 - The materials and good practices deriving from the project will also be taught in the LIFE20 NAT/IT/001076 LIFE ShepForBio school for shepherds.
- Estimated cost: no expected costs.

<u>Activities</u>	<u>Responsible</u>	Estimate cost	Source of resources
Environmental education with the schools of the	PNFC	up to a maximum of € 15,400 per year	Own funds
Tain	CFS	6,000 €	Own funds
Distribution of printed materials	All beneficiaries	-	-
Visibility at the Park Visitor Centers	PNFC	-	-
Maintenance of the didactic paths and "Sentieri Natura" of the project	CUFA	5,000 €	Own funds
Maintaining website and facebook page	DREAM	16,400 €	Own funds
Raising awareness of Stakeholders (breeders and farmers)	PNFC, DREAM	-	LIFE20 NAT/IT/001076 LIFE ShepForBio



















CONCLUSIONS

Below is a general overview of the costs that will be incurred in applying the After LIFE Plan of the LIFE14 NAT/IT/000759 WETFLYAMPHIBIA project.

ACTIVITY	PNFC	UNCASEN	CFS	DREAM	UNIPV	TOTALE
Conservation interventions (C1)	€ 45,000	€ 24,000	€ 30,000	€ 1,000		€ 100,000
Reintroduction of <i>B. variegata pachypus</i> (C2)	€ 11,100			€ 4,500		€ 15,600
Reintroduction of S. perspicillata (C2)	€ 2,100					€ 2,100
Germplasm conservation (C3)					€ 20,000	€ 20,000
Monitoring in reintroduction sites of <i>B. variegata</i> pachypus (D2)	€ 6,900					€ 6,900
Monitoring at the reintroduction sites of <i>S.</i> perspicillata (D2)	€ 2,400					€ 2,400
Monitoring of amphibians at intervention sites (D1)	€ 20,000		€ 6,000			€ 26,000
Maintenance of the website and facebook page (E2)				€ 16,400		€ 16,400



















Environmental education with the schools of the Park (E6)	€ 15,400		€ 6,000			€ 21,400
Maintenance of the didactic paths of the project (E6)			€ 5,000			€ 5,000
TOTALE	102.900,00 €	24.000,00€	47.000,00 €	21.900,00€	20.000,00€	215.800,00 €















