

Action	Indicator	Quantity	Executed until the End of The Project (May 2021)
A.1 - Completing and updating of baseline characterization (UE) (concluded 31/03/2018)	Data information layers integrated into GIS database	No., O=79	388
	Occurrence records integrated into GIS database	No., O=25.000	79.819
	Species covered by wildlife database	No., O=7 amphibians, 8 reptiles, 25 mammals and 80 birds	Total=254, Amphibians=14, Reptiles=17, Mammals=53, Birds=170
	Connectivity maps generated	No., O=2	6 (5)
	Fraction of intervention sites covered by detailed data / maps in GIS database	%, O=100%	100%
	Animals tracked with GPS/GSM system	No., O=12	12
	Number of wildlife crossings and culverts mapped	No., O=50	307
	Invasive species with new approach of remote sensing methodology	No., O=4	6
A.2 - Compilation, structuring and implementation of national database and multi-user web platform (concluded 31/05/2021)	Number of persons / organizations that contributed with GIS data information layers	No., O=16	16
	Roadkill data incorporated into GIS database	No., O=50.000	121.532
	Species incorporated into GIS database	No., O=120	230
	No. of Institutional users registered and with a regular use of the platform	No., O=4	3
	No. of academic users registered and with a regular use of the platform	No., O=6	8
	No. of professional users registered and with a regular use of the platform	No., O=8	3
	No. of NGO's registered with a regular use of the platform	No., O=4	NA
	No. of citizens registered with a regular use of the platform	No., O=20	NA
	Average number of new records send in a regular basis to the platform	No./month, O=600	NA
	Records send by mobile application	%/total, O=10%	24,60%
A.3 - Project implementation, licensing, procurement of permits and contracting procedures necessary to actions C (concluded 31/12/2018)	Execution projects (Forestry and civil engineering / Landscaping) produced	No., O=12	13
	Authorizations, licensing and procurement of permits necessary to actions C obtained	%, O=100%	100%
	Procedures of public contracting launched	%, O=100%	100%
A.4 - Development, testing and evaluation of automated systems of monitoring and / or deterrence (concluded 31/06/2019)	No. of monitoring prototypes developed	No., O=2	2+1 (3)
	No. of dissuasion prototypes developed	No., O=3	4+2+1 (7)
	Effectiveness of automated prototypes comparing with traditional methods	%, O=150%	78,10%
	Records of approach to powerlines obtained with the monitoring prototype	No.	13
	Records of passerines mortality obtained with the monitoring prototype	No.	32
A.5 - Installation of autochthonous plant nursery for conservation actions	No. of created nurseries	No., O=1	1
	Area of produced plants created	m ² , O=5.000	5.000

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(concluded 31/12/2016)	Plots to seeds production installed	m ² , O=1.000	1.000
	Number of woody species in growth	No., O=4	22
	Number of bulbous species in growth	No., O=1	5
	Growing plants to conservation tasks (Actions C)	No., O=1.000	3.000
A.6. - Development of prototypes for deterring avifauna in medium voltage lines (concluded 15/05/2019)	Prototype solutions developed for reducing bird kills	No., O=1	1
	New device produced to reduce simultaneously bird electrocution and collisions	No., O=85	91
	Selection/extension of the total length of medium tension lines with the new typology for the poles and new anti-collision signalization	km, O=13	14,8
A.7. - Development and adoption of internal guidelines to support post-project management (concluded 31/12/2020)	Internal standards proposed/approved in IP associated with internal guidelines	No., O=1	2
	Internal standards proposed/approved in IP associated with hiring guidelines	No., O=1	2
	Effectiveness of the Internal Standards approved at the end of the project	%, O=100%	NA
C.1. - Integrated Mitigation of the reduction of conductivity and permeability of the landscape in national and principal roads (concluded 30/09/2020)	Dry ledges for fauna installed on culverts	No., O=5	6
	Structural improvement of culverts to prepare mitigation work	No., O=1	1
	Restoration of fences and plantations to lead to culvert paths	No., O=7	6
	Total length of national roads (EN) and main itineraries (itP) covered by mitigation measures	km, O=37	37
	Total length of national roads (EN) and main itineraries (itP) covered by complementary measures to support mitigation measures	km, O=104	314
	Number of typologies of innovative solutions	No., O=4	4
	Number of typologies of demonstrative solutions	No., O=5	5
C.2 - Potentiation of the verges and marginal parcels of roads infrastructures as shelter areas, refuge, food and / or displacement (concluded 31/12/2020)	Micro-reserves installed /established	No., O=2	2
	Favourable habitat increase to target butterflies populations	ha, O=4	5,5
	Occupied area for invasive species subject to initial control actions	%, O=100%	100%
	Occupied area related to the initial, by invasive species subject to monitoring control actions	%, O=75%	
	Occupied area related to the initial, by invasive species subject to following control actions	%, O=25%	
	Control methods of reeds tested and evaluated as effective	No., O=2	2
	Protocols to prevent, detect and control of invasive species along the IP roads	No., O=2	18
	Mortality reduction of Tawny Owl by installing shrub screens	%, O=10%	NA

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C.3 - Development and installation of vertical road traffic signs (concluded 31/06/2018)	Vertical signals created	No., O=1	1
	Vertical signals acquired and installed	No., O=10	10
C.4 - Mobile Application to promote the collect of mortality data (concluded 31/03/2021)	Mortality records validated in GIS database by mobile application	No./month, O=600	73
	Records send by mobile application	%/total; O=10%	24,60%
	Validation time (between entry and validate the data)	days, O=4	4
C.5 - Testing devices for deterring avifauna landing in medium voltage lines (concluded 31/03/2021)	Anti-electrocution/collision devices installed	No., O=85	49
	Extension of medium voltage lines with the new type of prototypes installed	km, O=13	13
	Effectiveness of new anti-electrocution devices (% reduced mortality)	%, O=80%	100% Elect
C.6 - Development, essay and application of biodiverse grasslands to promote biodiversity in linear infrastructures (concluded 31/12/2020)	Species evaluated in preselection	No., O=20	1.075
	New protocols of species germination with conservation interest	No., O=5	8
	Species with harvested seeds	No., O=20	165
	Selected species	No., O=10	50
	Intervention essay areas	No., O=10	50
	Quantity of seeds collected by volunteers	%, O=25%	30%
	Rehabilitated greenhouses for conservation objectives	No., O=1	1
C.7 - Mitigation measures and potentiation of roads in Évora municipality (concluded 31/06/2020) * only <i>Arundo donax</i> was controlled, as it was also the only well represented exotic invasive species along the Ecotrail	Total length of municipal roads parts covered by mitigation measures	km, O=9	9
	Total length of disabled railways covered by mitigation measures	km, O=21	21
	Endemic flora species target of potentiation work	No., O=6	7
	Butterflies species target of habitat potentiation	No., O=4	6
	Invasive plant species target of control/eradication	No., O=6	1*
	Reduction of mortality records in EM529	%, O=20%	38,80%
C.8 - Mitigation measures and potentiation of roads in Montemor-o-Novo municipality (concluded 31/08/2020) * Only 8400m ² are adequate for intervention	Total length of municipal roads parts covered by mitigation measures.	km, O=15	15
	Total length of disabled railways covered by mitigation measures.	km, O=13	13
	Endemic flora species target of potentiation work	No., O=2	7
	Butterflies species target of habitat potentiation	No., O=3	10
	Small mammal species target of habitat potentiation	No., O=2	2
	Invasive plant species target of control/eradication	No., O=7	4
	Invasive flora area species target of control/eradication	m ² , O=32.000	8.400
C.9 - Operations in plant nursery to the conservation actions (concluded 31/05/2021)	Plant Production area installed	m ² , O=5.000	5.000
	Plots of production of seeds installed	m ² , O=1000; No.=10	1.299
	Woody species propagated with the action	No., O=9	56
	Herbaceous species propagated with the action	No., O=11	43
	Produced plants vs necessary plants to the conservation works	%, O=100%	100%
C. 10 - Promotion of “islands” of Biodiversity along the power lines (concluded 31/12/2018)	Experimental plots installed to create Biodiversity Islands	No., O=3	15
	Total area covered	m ² , O=300	720
	Installed fence	m, O=75	420

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D.1 - Monitoring / evaluation of socio- economic effects of the project (concluded 31/05/2021)	Adopted indicators to monitoring the effects	No., O=20	17
	Trimestral update of the indicators	No., O=15	13
	Produced and sent reports	No., O=1	1
D.2 - Monitoring / evaluation effects of the project on ecosystem functions (concluded 31/05/2021)	New permeability maps produced	No., O=2	6
	Produced and sent reports	No., O=1	1
D.3 - Monitoring / evaluation of the effects / impacts of conservation measures (concluded 31/05/2021)	Update of data information layers integrated into GIS database	No., O=20	69
	New occurrence records integrated into GIS database	No., O=10.000 to 20.000	23.000
	Update of fauna species mortality records covered by the fauna database	No., O=10 amphibians, 10 reptiles, 35 mammals and 85 birds	Total=230, Amphibians=17, Reptiles=20, Mammals=59, Birds=134
	New permeability maps produced	No., O=15	18
	New functional connectivity maps produced	No., O=2	6
	Animals tracked with GPS/GSM system	No., O=12	18
	Monitored of power lines supports	No., O=60	64
	Seeds plots of biodiverse mixtures monitored	No., O=20	44
	Monitored sites of successful invasive species control	No., O=20	88
E.1 - Communication Plan – Project Website (concluded 31/05/2021)	Content update frequency	No. of updates, O=20	268
	Monthly average users	No., O=200	223
	Statistics on numbers, average session time (AST) and geographical provenience of users	AST (min)	2,3
	Downloads from the website	No., MB	NA
E.2 - Communication Plan – Placards/Outdoors in intervention area (concluded 31/05/2021)	Placards of medium size installed in sites of C Actions interventions	No., O=50	64
	Large Outdoor installed as part of C.1 Action intervention	No., O=1	1
E.3 - Communication Plan – Public disclosure sessions and contacts with the media (concluded 31/05/2021)	Press releases/schedule emitted or written throughout the project	No., O=30	727*
	Press conferences organized during the project	No., O=10	1
	Public seminars organized (annual)	No., O=5	4
	Average of participants in the public seminars	No., O=80	91
E.4 - Communication Plan – Complementary works and materials (concluded 31/05/2021)	Short teasers (about 1 minute) produced and distributed on the Internet throughout the project	No., O=20	20
	Thematic videos of medium duration with audiovisual supporting content for specialized media visits	No., O=20	20
	Radio spots produced/broadcasting	No., O=10	72
	Project documentary	No., O=1	1
	Tutorials videos	No., O=2	2
E.5 - Awareness and involvement of the academic community in collecting information/data	Researchers of UEVORA, FCUP and UA with credentials to the national platform	No., O=14	8
	PhD and Master Thesis concluded	No., O=6	6
	Students of UEVORA, FCUP and UA registered in mobile application	No., O=200	4*

*not possible to be sure who is student

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(concluded 31/05/2021)	Researchers of UEVORA, FCUP and UA registered in mobile application	No., O=80	54
	Collected data by academic community of UEVORA, FCUP and UA	No., O=8.000	568
E.6 - Training / dissemination among stakeholders (concluded 31/05/2021)	Organized workshops	No., O=8	12
	Total participants in workshops	No., O=160	697
	Requests for workshops	No., O=10	5
	Applied knowledge by participants	%, O=50%	64%
	Good practices guidelines	No., O=3	4
	Downloads good practices guidelines	No., O=200	NA
E.7 - Networking with other LIFE and not LIFE projects (concluded 31/05/2021)	European experts invited to visiting the project	No., O=4	5
	LIFE and non-LIFE projects visited by members of the project team	No., O=4	8
	Presentations of the project in Green Week editions	No., O=2	0
	Presentations of the project in European seminars/events	No., O=4	16
	Ideas of network projects to integrate the Communication and Conservation Post-LIFE Plan	No., O=2	2
E.8 - Volunteer Program for young people (concluded 31/12/2020)	Average number of young people participants in the program	No., O=30	20
	Associations and IPSS participants in the program	No., O=12	19
	Enterprises/institutions participants in the program	No., O=8	20
	Habitat area beneficiated by voluntary work	ha, O=2	3,97
	Species of flora beneficiated by voluntary work	No., O=10	11
	Species of fauna beneficiated by voluntary work	No., O=8	8
E.9 - Technical seminars to present the developments and results of the project (concluded 31/03/2021)	Professional participants in the initial seminar	No., O=50	102
	Professional participants in the middle seminar	No., O=120	45
	Professional participants in the final seminar	No., O=200	293
	Power Point presentations	No., O=80	39
	Abstract book edited in digital form	No., O=3	2
E.10 - "Adopt a road", environmental educational/awareness program with local schools (concluded 31/12/2020)	Young people involved by municipality in vacation camps	No./year, N=9	22 / 585
	Total of young people involved by municipality in vacation camps	No., O=72	22 / 1503
	Juvenile Center use by young people between regular activities	No./municipality, O=9	7
	Juvenile Center use by young people involved by municipality	No., O=9	7
	Identified roadkilled animals	No., O=1.000	450
	Adopted sections of roads	No., O=2	1
	Surveys at stretches of roads adopted	No., O=24	17
	Mortality records of fauna in the mobile app by section of road	No., O=100	NA
E.11 - Layman Report (concluded 31/05/2021)	Report submission requests received	No.	NA
	Reports distributed by mail to national addresses	No.	NA
	Reports distributed by mail to European addresses	No.	NA
	Diversity of entities/publics covered by the distribution	No.	NA

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F.1 - Project management (concluded 31/05/2021)	CP team members present in the kick-off meeting	No., O=2	2
	CG meetings accomplished	No., O=20	2
	CTAG meetings accomplished	No., O=60	30
	CP meetings accomplished	No., O=240	277
	CA meetings accomplished	No., O=6	3
	CA members present in meetings	%, O=90%	69,43%
F.2 - Compiling and Structuring the Indicators of Development of the project (concluded 31/05/2021)	Regular update of the progress indicator's list	NA	6