



NATURA 2000 - STANDARD DATA FORM

For Special Protection Areas (SPA),
Proposed Sites for Community Importance (pSCI),
Sites of Community Importance (SCI) and
for Special Areas of Conservation (SAC)

SITE IT5180010
SITENAME Alpe della Luna

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1. SITE IDENTIFICATION

1.1 Type	1.2 Site code	Back to top
B	IT5180010	

1.3 Site name

Alpe della Luna

1.4 First Compilation date	1.5 Update date
1995-07	2019-12

1.6 Respondent:

Name/Organisation:	Regione Toscana - Direzione Ambiente ed Energia - Settore Tutela della Natura e del Mare
Address:	Via di Novoli, 26 - 50127 Firenze
Email:	parchiareeprotette_biodiversita@regione.toscana.it

1.7 Site indication and designation / classification dates

Date site classified as SPA:	0000-00
National legal reference of SPA designation	No data
Date site proposed as SCI:	1995-06
Date site confirmed as SCI:	No data
Date site designated as SAC:	2016-05
National legal reference of SAC designation:	DM 24/05/2016 - G.U. 139 del 16-06-2016

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude 12.162778 Latitude 43.651389

2.2 Area [ha]: 3397.0 2.3 Marine area [%] 0.0

2.4 Sitelength [km]: 0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name

2.6 Biogeographical Region(s)

Continental (100.0 %)

3. ECOLOGICAL INFORMATION

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3.1 Habitat types present on the site and assessment for them

Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [ha]	Cave [number]	Data quality	A B C D	A B C		
						Representativity	Relative Surface	Conservation	Global
3150			5.0E-4		M	C	C	B	C
4030			0.98		M	D			
5130			15.36		M	C	C	B	C
6110			1.59		M	D			
6210	X		57.0		M	B	C	B	B
6430			2.0E-4		M	D			
6510			65.27		M	C	C	B	B
8310				1	M	C	C	C	C
9130			1059.23		M	B	C	B	C
9180			79.7		M	B	C	B	C
91E0			3.18		M	D			
91M0			796.66		M	B	C	B	B
9210			318.79		M	B	C	B	C
9260			2.77		M	D			

- **PF:** for the habitat types that can have a non-priority as well as a priority form (6210, 7130, 9430) enter "X" in the column PF to indicate the priority form.
- **NP:** in case that a habitat type no longer exists in the site enter: x (optional)
- **Cover:** decimal values can be entered
- **Caves:** for habitat types 8310, 8330 (caves) enter the number of caves if estimated surface is not available.
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation)

3.2 Species referred to in Article 4 of Directive 2009/147/EC and listed in Annex II of Directive 92/43/EEC and site evaluation for them

Species					Population in the site						Site assessment			
G	Code	Scientific Name	S	NP	T	Size		Unit	Cat.	D. qual.	A B C D	A B C		
						Min	Max				Pop.	Con.	Iso.	Glo.
B	A085	Accipiter gentilis			p				P	DD	D			
B	A091	Aquila chrysaetos			p				R	DD	C	B	C	B
A	5357	Bombina pachipus			p				P	DD	C	C	B	C
M	1352	Canis lupus			r				P	DD	C	A	C	A
B	A224	Caprimulgus europaeus			r				R	DD	C	B	C	B
B	A080	Circaetus gallicus			r				R	DD	C	B	C	B
B	A081	Circus aeruginosus			c				R	DD	C	C	C	C
B	A084	Circus pygargus			c				V	DD	D			
B	A113	Coturnix coturnix			r				V	DD	D			
B	A376	Emberiza citrinella			r				V	DD	D			
B	A103	Falco peregrinus			c				R	DD	C	C	C	C
B	A096	Falco tinnunculus			p				P	DD	D			
P	4104	Himantoglossum adriaticum			p				P	DD	D			
B	A338	Lanius collurio			r				R	DD	C	C	C	B
I	1083	Lucanus cervus			p				C	DD	D			
B	A246	Lullula arborea			r				C	DD	C	B	C	B
B	A072	Pernis apivorus			r				C	DD	C	A	C	A
B	A274	Phoenicurus phoenicurus			r				R	DD	D			
M	1303	Rhinolophus hipposideros			p				R	DD	C	B	C	B
I	1087	Rosalia alpina			p				R	DD	D			
A	1167	Triturus carnifex			p				C	DD	C	B	C	B

- **Group:** A = Amphibians, B = Birds, F = Fish, I = Invertebrates, M = Mammals, P = Plants, R = Reptiles
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Type:** p = permanent, r = reproducing, c = concentration, w = wintering (for plant and non-migratory species use permanent)
- **Unit:** i = individuals, p = pairs or other units according to the Standard list of population units and codes in accordance with Article 12 and 17 reporting (see [reference portal](#))
- **Abundance categories (Cat.):** C = common, R = rare, V = very rare, P = present - to fill if data are deficient (DD) or in addition to population size information
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation); VP = 'Very poor' (use this category only, if not even a rough estimation of the population size can be made, in this case the fields for population size can remain empty, but the field "Abundance categories" has to be filled in)

3.3 Other important species of flora and fauna (optional)

Species					Population in the site				Motivation					
Group	CODE	Scientific Name	S	NP	Size		Unit	Cat.	Species Annex		Other categories			
					Min	Max		C R V P	IV	V	A	B	C	D
I		Acanthocinus xanthoneurus						R				X		
P		Antyllis vulneraria polyphylla						P						X
P		Aquilegia vulgaris						R						X
P		Arenaria bertolonii						P				X		
P		Calamagrostis varia						P						X
I		Calosoma sycophanta						R					X	
P		Campanula latifolia						R						X
M		Capreolus capreolus						P						X
P		Cardamine enneaphyllos						P						X
P		Carduus micropterus ssp. perspinosus						P						X
P		Carex macrolepis						R						X
P		Chaeneorhainum minus ssp. litorale						P						X
P		Cirsium alpis-lunae						P				X		
I		Clinidium canaliculatum						P						X
R	1284	Coluber viridiflavus						C	X					
P		Convallaria majalis						R						X
R	1283	Coronella austriaca						P	X					
P		Cotoneaster nebrodensis						V						X
B	A240	Dendrocopos minor						R						X
P		Erysimum pseudorhaeticum						P				X		
P		Eucastrum nastrurtiifolium						P						X
P		Festuca dimorpha						R						X
P		Filago neglecta						P						X
P	1866	Galanthus nivalis						R		X				
I		Gnorimus nobilis						P						X
P		Helleborus bocconeii						P				X		
P		Heracleum sphondylium ssp. ternatum						P						X
P		Hordelymus europaeus						P						X
A		Hyla italica						P			X			
M	1344	Hystrix cristata						C	X					
P		Iris graminea						R						X
R		Lacerta bilineata						P					X	
P		Laserpitium gallicum						R						X
P		Leocanthemum heterophyllum						P						X
P		Lilium croceum						R						X
P		Linum catarticum ssp. suecicum						R						X
I	1058	Maculinea arion						P	X					
P		Malva neglecta						P						X
M	1358	Mustela putorius						R		X				
P		Myosotis decumbens ssp. florentina						P				X		

P		Onobrychis montana						P						X
P		Ornithogalum pyrenaicum ssp. sphaerocarpum						P						X
R	1256	Podarcis muralis						C	X					
I		Prionus coriarius						R						X
I		Rabdorrhynchus menetriesi						R						X
A	1209	Rana dalmatina						C	X					
A	1210	Rana esculenta						C		X				
A	1206	Rana italica						P	X					
P		Ranunculus apenninus						P				X		
P		Rhamnus pumilus						V						X
P	1849	Ruscus aculeatus						P		X				
P		SALIX APENNINA SKVORTSOV						P				X		
P		Salix purpurea						P						X
P		Salvia nemorosa						P						X
P		Scorsonera cana						P						X
P		Sesleria italica						P						X
I		Sinodendron cylindricum						R						X
A	1185	Speleomantes italicus						P	X					
P		Taraxacum apenninum						P				X		
P		Tragopogon samaritani						P						X
A		Triturus alpestris apuanus						P						X
A		Triturus vulgaris						P					X	
P		Vicia dumetorum						P						X
I		Vulda italica						R						X
M		Vulpes vulpes						P						X

- **Group:** A = Amphibians, B = Birds, F = Fish, Fu = Fungi, I = Invertebrates, L = Lichens, M = Mammals, P = Plants, R = Reptiles
- **CODE:** for Birds, Annex IV and V species the code as provided in the reference portal should be used in addition to the scientific name
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Unit:** i = individuals, p = pairs or other units according to the standard list of population units and codes in accordance with Article 12 and 17 reporting, (see [reference portal](#))
- **Cat.:** Abundance categories: C = common, R = rare, V = very rare, P = present
- **Motivation categories:** **IV, V:** Annex Species (Habitats Directive), **A:** National Red List data; **B:** Endemics; **C:** International Conventions; **D:** other reasons

4. SITE DESCRIPTION

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4.1 General site character

Habitat class	% Cover
N23	1.0
N16	75.0
N06	1.0
N08	10.0
N15	3.0
N09	5.0
N22	5.0
Total Habitat Cover	100

Other Site Characteristics

Dorsale appenninica posta fra l'Alta Val Tiberina e la Valle del Marecchia. Substrato marnoso-arenaceo, occupato da estese formazioni forestali caducifoglie.

4.2 Quality and importance

Presenza di piante di interesse fitogeografico, fra cui un endemismo ristretto (Cirsium alpinum) e di habitat in buono stato di conservazione. Fra gli Uccelli sono da segnalare alcune specie forestali rare e minacciate e l'Aquila reale, la cui nidificazione non è stata per ora accertata. Da segnalare la presenza, fra i Mammiferi, di Canis lupus. Fra gli invertebrati da segnalare il Coleottero Rosalia alpina oltre ad alcune specie endemiche per la Toscana o per l'Appennino.

4.3 Threats, pressures and activities with impacts on the site

The most important impacts and activities with high effect on the site

Negative Impacts			
Rank	Threats and pressures [code]	Pollution (optional) [code]	inside/outside [i o b]
L	B		B
L	E01.03		I

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside /outside [i o b]
M	A04.02		B

L	D01.01		I
M	A04.03		B
L	G01.02		o
L	D01.02		I
L	G01.02		B

Rank: H = high, M = medium, L = low

Pollution: N = Nitrogen input, P = Phosphor/Phosphate input, A = Acid input/acidification,

T = toxic inorganic chemicals, O = toxic organic chemicals, X = Mixed pollutions

i = inside, o = outside, b = both

4.4 Ownership (optional)

Type		[%]
Public	National/Federal	0
	State/Province	0
	Local/Municipal	0
	Any Public	70
Joint or Co-Ownership		0
Private		30
Unknown		0
sum		100

4.5 Documentation

AA.VV. Inedito., 1995, Carta del rispetto della natura della provincia di Arezzo. Stato delle conoscenze., Provincia di Arezzo Assessorato all'ambiente.D.R.E.AM. Italia s.c.r.l., 1994, Repertorio delle aree individuate dalla carta del rispetto della natura della Provincia di Arezzo., Provincia di Arezzo.Viciani D., Gabellini A. Gonnelli V., De Dominicis V., 2002 – La vegetazione della Riserva Naturale Alpe della Luna (Arezzo, Toscana) ed i suoi aspetti di interesse botanico-conservazionistico. Webbia 57 (1): 153-170.Insetti:Collezione Museo "La Specola" (Firenze).Collezione Piero Abbazzi.Collezione Paolo Maria Casini, Firenze. Bartolozzi L., 1986, Note corologiche e morfologiche sui Lucanidae in Toscana (Coleoptera). Atti Mus. civ. Stor. nat. Grosseto, 7/8: 11-26.Bordoni A., 1982, Coleoptera Staphylinidae: Generalità - Xantholoninae, Fauna d'Italia. XIX., Calderini, Bologna.Magistretti M. 1965. Fauna d'Italia. 8.Coleoptera Cicindelidae Carabidae. Catalogo topografico Calderini Ed. Bologna.Museo di Storia Naturale dell'Universita' di Firenze, Sezione di Zoologia "La Specola".Sama G., 1988, Coleoptera Cerambycidae. Catalogo topografico e sinonimico. Fauna d'Italia. XXVI., Calderini Ed., Bologna.Comunicazione Alessandro Mascagni.Piante Vascolari:Comunicazione Paolo Agnelli.Comunicazione personale M. Raffaelli.Biondi E., Baldoni M. 1994. La vegetazione del fiume Marecchia (Italia centrale) Biogeographia 17: 51-87 (1993).Caruel T. 1860. Prodromo Flora Toscana Le Monnier, Firenze.Ferrarini E. 1979. Note floristiche sull'Appennino settentrionale (dal Passo della Cisa al Passo delle radici) Webbia 33(2): 235-267.Raffaelli M., Rizzotto M. 1991. Contributo alla conoscenza della flora dell'Alpe della Luna (Appennino Aretino Toscana) Webbia 46(1): 19-79.Uccelli:D.R.E.A.M. Italia srl. NEMO sas 1998. Carta del rispetto della natura della Provincia di Arezzo.G. Tellini Florenzano, T.Campedelli, S.Cutini, G.Londi - Indagini conoscitive e studi tecnici coordinati e condotti nel settore ornitologico dalla DREAM Italia Soc.Coop. a r.l. nel territorio della Provincia di Arezzo nel periodo 2000-2011. I dati sono anche integrati dal contributo di volontari (C. Donati, L. Lapini, G. Grazzini), raccolti e validati sempre dal suddetto gruppo di lavoro.Tellini Florenzano G. (2001) – Monitoraggio dell'avifauna nidificante nelle Riserve Naturali della Valtiberina Toscana: “Monte Nero”; “Alpe della Luna”; “Bosco di Montalto” e “Monti Rognosi” (2000). Studio realizzato per la Provincia di Arezzo.Anfibi e Rettili: Comunicazione personale Stefano Vanni.Museo di Storia Naturale dell'Università di Firenze, Sezione di Zoologia "La Specola".Vanni S., Nistri A., Corti C. - Note sull'erpetofauna sull'Appennino umbro-marchigiano fra il fiume Marecchia e il fiume Esino (Amphibia, Reptilia)., 1994, Biogeographia, 17(1993): 487-508. Mammiferi: Il Lupo in Provincia di Arezzo , a cura di Marco Apollonio e Luca Mattioli – Arsia, Regione Toscana, Centro Studi Casa Stabbi Alpe di Catenaia, Provincia di Arezzo, 2007Capitani C, Mattioli L, Avanzinelli E et al (2006) Selection of rendezvous sites and reuse of pup raising areas among wolves Canis lupus of north-eastern Apennines, Italy. Acta Theriol 51:395–404Massimo Scandura & Laura Iacolina & Claudia Capitani & Andrea Gazzola & Luca Mattioli & Marco Apollonio - Fine-scale genetic structure suggests low levels of short-range gene flow in a wolf population of the Italian Apennines - Received: 11 August 2010 / Revised: 26 January 2011 / Accepted: 28 January 2011 # Springer-Verlag 2011 Eur J Wildl Res DOI 10.1007/s10344-011-0509-y

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT13	100.0	IT07	100.0	IT11	100.0

5.2 Relation of the described site with other sites:

5.3 Site designation (optional)

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	Regione Toscana
Address:	Via di Novoli, 26 - 50127 Firenze
Email:	parchiareeprotette_biodiversita@regione.toscana.it

6.2 Management Plan(s):

An actual management plan does exist:

☐ Yes

☐ No, but in preparation

☒ No

6.3 Conservation measures (optional)

7. MAP OF THE SITES

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INSPIRE ID:

Map delivered as PDF in electronic format (optional)

☐

Yes

☒

No

Reference(s) to the original map used for the digitalisation of the electronic boundaries (optional).

251II 263IV 252III 262I 1:25000 ed50