Report on the main results of the surveillance under article 17 for annex I habitat types (Annex D)

CODE: 9330

NAME: Quercus suber forests

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.2 Distribution Method	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2005-2012
1.1.4 Additional map	No
1.1.5 Range Map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Mediterranean (MED)

2.2 Published

The present Habitat assessment (fields 0.1-3.1) has been compiled by Pierangela Angelini (ISPRA). Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato(SBI), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field 2.7.1).

"Copiz R., Zavattero L., 2009. Rete ecologica del Parco Nazionale del Circeo: analisi dello status e della distribuzione di specie e habitat e definizione degli elementi della rete. Università di Roma La Sapienza, Dip.to di Biologia Vegetale. Inedito. Blasi C., Manes F. (a cura di), 2001. Studi propedeutici alla stesura del piano del Parco Nazionale del Circeo: componenti flora, vegetazione e unità di paesaggio. Università di Roma La Sapienza, Dip.to di Biologia Vegetale. Inedito. Angelini P., Augello R., Bianco P.M., Gennaio R., La Ghezza V., Lavarra P., Marrese M., Papallo O., Perrino V. M., Sani R., M. Stelluti. 2012. Carta degli habitat della Regione Puglia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Puglia BACCHETTA G., BAGELLA S., BIONDI E., FARRIS E., FILIGHEDDU R., MOSSA L., 2004 – A contribution to the knowledge of the order Quercetalia ilicis Br.- Bl.ex Molinier 1934 of Sardinia. Fitosociologia 41(1): 29-51. BECCARISI L., BIONDI E., CASAVECCHIA S., ERNANDES P., MEDAGLI P., ZUCCARELLO V., 2010 – La quercia da sughero (Quercus suber L.) nel Salento:analisi diacronica e sinfitosociologica (Adriatico meridionale, Italia). Fitosociologia 47(2): 3 – 16. BIONDI E., CASAVECCHIA S., PESARESI S., 2010 – Interpretation and management of the forest habitats of the Italian peninsula. Acta Botanica Gallica, 157: 687-719 Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D, Gigante D, Lasen C, Spampinato G, Venanzoni R, Zivkovic L (2009a) Italian interpretation Manual of the habitats (92/43/EEC Directive). Ministero dell'Ambiente e della Tutela del Territorio e del Mare. http://vnr.unipg.it/habitat/ BIONDI E., CASAVECCHIA S., GUERRA V.,M MEDAGLI P., BECCARISI L., ZUCCARELLO V., 2004 – A contribution towards the knowledge of semideciduous and evergreen woods of Apulia (south-estern Italy). Fitosociologia 41(1): 3-28. Blasi et al., 2010. La Vegetazione d'Italia con Carta delle Serie di Vegetazione in scala 1:500000. Palombi ed., Camarda I., Carta L., Brunu A., Brundu G. , Laureti L. , Angelini P., Bagnaia R., 2011. Carta degli habitat della Regione Sardegna per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche Ecologiche e Geologiche

dell'Università degli Studi di Sassari - ISPRA - Regione Sardegna Casella L., Agrillo E., Bianco P.M., Cardillo A., Carbone M., Cattena C., Laureti L., Lugari A., Spada F., 2008. Carta degli habitat della Regione Lazio per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Università degli Studi di Roma "La Sapienza" - Regione Lazio ISPRA, 2011. Dati del sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA, Corine land cover 2006 IV livello. Dati della Rete del sistema Informativo Nazionale Ambientale - SINAnet ISPRA, 2005. Dati del sistema informativo di Carta della Natura alla scala 1:50.000. Papini F., Gianguzzi L., Brullo S., Bianco P. M., Angelini P., 2006. Carta degli habitat della Regione Sicilia per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche dell'Università degli Studi di Palermo - Dipartimento di Botanica dell'Università degli Studi di Catania -Regione Sicilia – ISPRA Selvi F. & Valleri M., 2012. Cork oak woodlands in the north Tyrrhenian area (Italy): distribution and plant species diversity of a relict forest ecosystem. Biodivers Conserv 21: 3061-3078"

2.3 Range of the habitat type in the biogeographical region or marine region

2.3.1 Surface area - Range (km²)	41800	
2.3.2 Range method used	Estimate based on partial data with some extrapolation and/or modelling (2)	
2.3.3 Short-term trend period	2001-2012	
2.3.4 Short-term trend direction	decrease (-)	
2.3.5 Short-term trend magnitude	min	max
2.3.6 Long-term trend period		
2.3.7 Long-term trend direction	N/A	
2.3.8 Long-term trend magnitude	min	max
2.3.9 Favourable reference range	area (km²)	
	operator	approximately equal to (≈)
	unkown	No
	method	
2.3.10 Reason for change	genuine change	No
	improved knowledge	Yes
	different method	Yes

2.4 Area covered by Habitat

2.4.1 Surface area (km²)	2385,52		
2.4.2 Year or period	2005-2012		
2.4.3 Method used	Estimate based on partial data with some extrapolation and/or modelling (2)		
2.4.4 Short-term trend period	2001-2012		
2.4.5 Short-term trend direction	decrease (-)		
2.4.6 Short-term trend magnitude	min	max	confidence interval
2.4.7 Short term trend method used	Estimate based on expert opinion with no or minimal sampling (1)		
2.4.8 Long-term trend period			
2.4.9 Long-term trend direction	N/A		
2.4.10 Long-term trend magnitude	min	max	confidence interval
2.4.11 Long term trend method used	N/A		

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2.4.12 Favourable reference area	area (km)	
	operator	more than (>)
	unknown	No
	method	
2.4.13 Reason for change	Improved knowledge/more accurate dataUse of different method	

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
burning down (J01.01)	medium importance (M)	N/A
roads, motorways (D01.02)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
removal of forest undergrowth (B02.03)	low importance (L)	N/A
discontinuous urbanisation (E01.02)	medium importance (M)	N/A
forest exploitation without replanting or natural regrowth (B03)	high importance (H)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A
grazing (A04)	high importance (H)	N/A

2.5.1 Method used – pressures: Estimate based on partial data with some extrapolation and/or modelling(2)

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
burning down (J01.01)	medium importance (M)	N/A
roads, motorways (D01.02)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
removal of forest undergrowth (B02.03)	low importance (L)	N/A
discontinuous urbanisation (E01.02)	medium importance (M)	N/A
forest exploitation without replanting or natural regrowth (B03)	high importance (H)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A
grazing (A04)	high importance (H)	N/A

2.6.1 Method used – threats: Estimate based on expert opinion with no or minimal sampling(1)

2.7 Complementary Information

2.7.1 Species
Quercus suber
Cytisus villosus
Teline monspessulana
Pulicaria odora
Simethis mattiazzi

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Phillyrea angustifolia

Myrtus communis

Clematis cirrhosa

Daphne gnidium

Teucrium scorodonia

Teucrium siculum

Galium scabrum

Selaginella denticulata

Danthonia decumbens

Carex olbiensis

Quercus ilex

Helleborus bocconei

2.7.2 Species method used	Selected by ISPRA's expert from bibliographical and field research
2.7.3 Justification of % - thresholds for trends	
2.7.4 Structure and functions - methods used	Estimate based on expert opinion with no or minimal sampling(1)
2.7.5 Other relevant information	

2.8 Conclusions (assessment of conservation status at end of reporting period)

2.8.1 Range	assessment	Inadequate(U1)
	qualifiers	N/A
2.8.2 Area	assessment	Inadequate(U1)
	qualifiers	N/A
2.8.3 Specific structures and functions (incl Species)	assessment	Inadequate(U1)
	qualifiers	N/A
2.8.4 Future prospects	assessment	Inadequate(U1)
	qualifiers	improving(+)
2.8.5 Overall assessment of Conservation Status	Inadequate(U1)	
2.8.5 Overall trend in Conservation Status	declining(-)	

3. Natura 2000 coverage conservation measures - Annex I habitat types on biogeographical level

3.1 Area covered by habitat

3.1.1 Surface area (km²)	min	237,1889	max	237,1889
3.1.2 Method used	Complete survey/Complete survey or a statistically robust estimate (3)			
3.1.3. Trend of surface area	N/A			

3.2 Conversation Measures

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Notes

Habitat code: 9330 Region code: MED

Field label	Note	User
2.8.4 a)Conclusion future prospects	La localizzazione di questo habitat in aree protette rende le prospettive future medie in miglioramento	ISPRA_habi