0.1 Member State	IT
0.2.1 Species code	1329
0.2.2 Species name	Plecotus austriacus
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	N/A

#### 1. National Level

#### **1.1 Maps**

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	1985-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

#### 2. Biogeographical Or Marine Level

#### 2.1 Biogeographical Region

#### 2.2 Published sources

#### Mediterranean (MED)

The present species assessment (fields 0.1-2.9) has been compiled by Daniele Paoloni, Cristiano Spilinga (Associazione Teriologica Italiana - ATIt) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (Institute for Environmental Protection and Research - ISPRA). Information, unpublished data and experts' judgments have been provided by Paolo Agnelli, Mara Calvini, Luca Cistrone, Michele Ferretto, Mauro Mucedda, Danilo Russo, Dino Scaravelli, Martina Spada, Roberto Toffoli, Simone Vergari (Italian Group for bat Research).

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#### 2.3 Range

2.3.1 Surface area - Range (km²)

2.3.2 Method - Range surface area

2.3.3 Short-term trend period

2.3.4 Short-term trend direction

2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction

2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

32800

Estimate based on partial data with some extrapolation and/or modelling (2)

2001-2012 stable (0)

min max

N/A

min max

area (km²)

operator approximately equal to  $(\approx)$ 

unkown No

method Expert judgement

2.3.10 Reason for change Improved knowledge/more accurate dataUse of different method

N/A

#### 2.4 Population

2.4.1 Population size Unit

(individuals or agreed exception) min max

2.4.2 Population size Unit number of map 10x10 km grid cells (grids10x10)

(other than individuals) min 64 max 64

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2.4.5 Method – population size 2.4.6 Short-term trend period 2.4.7 Short term trend direction 2.4.8 Short-term trend magnitude 2.4.9 Short-term trend method 2.4.10 Long-term trend direction 2.4.11 Long term trend direction 2.4.12 Long-term trend magnitude 2.4.13 Long-term trend method 2.4.14 Favourable reference 2.5 Habitat for the Species 2.5.1 Surface area - Habitat (km²) 2.5.5 Short term trend period 2.5.5 Short term trend period 2.5.6 Main Pressures 2.6 Main Pressures 2.6 Main Pressures 2.6 Main Pressures 2.7 Short term trend direction 2.6 Main Pressures 2.7 Stort term trend period 2.8 Stort term trend period 2.8 Stort term trend direction 2.9 Stort term trend direction 2.5 Making pollution qualifier(s)	2.4.3 Additional information	Definition of localit	•	
2.4.4 Year or period 2.4.5 Method – population size 2.4.6 Short-term trend period 2.4.7 Short term trend direction 2.4.8 Short-term trend method 2.4.9 Short-term trend method 2.4.10 Long-term trend direction 2.4.11 Long term trend magnitude 2.4.12 Long-term trend magnitude 2.4.13 Long-term trend method 2.4.14 Favourable reference 2.5 Habitat for the Species 2.5.1 Surface area – Habitat (km²) 2.5.3 Method used – habitat 2.5.4 b) Quality of habitat – method 2.5.5 Short term trend period 2.5.5 Long-term trend direction 2.5.7 Long-term trend period 2.5.8 Long term trend period 2.5.9 Area of suitable habitat (km²) 2.5.9 Area of suitable habitat (km²) 2.5.10 Reason for change  Pressure  Pressure  1985-2012 Estimate based on expert opinion with no or minimal sampling (1) 2001-2012 Stable (0) max confidence interval N/A  max confidence interval N/A  NyA  number operator approximately equal to (=) unknown No method Improved knowledge/more accurate data Use of different method  Absent data (0) Moderate Expert based 2.001-2012 decrease (-) 2.5.7 Long-term trend period 2.5.8 Long term trend direction 2.5.9 Area of suitable habitat (km²) 2.5.9 Area of suitable habitat (km²) 2.5.10 Reason for change  Pressure  Pressure  ranking pollution qualifier(s) N/A		Conversion method	d	
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2.4.6 Short-term trend period 2.4.7 Short term trend direction 2.4.8 Short-term trend magnitude 2.4.9 Short-term trend method 2.4.10 Long-term trend period 2.4.11 Long term trend direction 2.4.12 Long-term trend magnitude 2.4.13 Long-term trend magnitude 2.4.14 Favourable reference 2.4.14 Favourable reference 2.4.15 Reason for change 2.5.1 Surface area - Habitat (km²) 2.5.2 Year or period 2.5.3 Method used - habitat 2.5.4 a) Quality of habitat - method 2.5.5 Short term trend period 2.5.5 Short term trend direction 2.5.7 Long-term trend direction 2.5.8 Long term trend direction 2.5.9 Near of suitable habitat (km²) 2.5.10 Reason for change	2.4.4 Year or period	1985-2012		
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min max confidence interval 2.4.9 Short-term trend method 2.4.10 Long-term trend period 2.4.11 Long term trend direction 2.4.12 Long-term trend magnitude 2.4.13 Long-term trend method 2.4.14 Favourable reference population  2.4.15 Reason for change 2.5.1 Surface area - Habitat (km²) 2.5.2 Year or period 2.5.3 Method used - habitat 2.5.4 b) Quality of habitat 2.5.5 Short term trend direction 2.5.5 Short term trend direction 2.5.7 Long-term trend direction 2.5.8 Long term trend dericdion 2.5.9 Area of suitable habitat (km²) 2.5.9 Area of suitable habitat (km²) 2.5.10 Reason for change  Improved knowledge/more accurate data Use of different method 2.6 Main Pressures  Pressure  min max confidence interval  Ray confidence interval  Estimate based on expert opinion with no or minimal sampling (1)  N/A  min max confidence interval  Estimate based on expert opinion with no or minimal sampling (1)  N/A  min max confidence interval  Estimate based on expert opinion with no or minimal sampling (1)  N/A  min max confidence interval  Estimate based on expert opinion with no or minimal sampling (1)  N/A  min max confidence interval  Estimate based on expert opinion with no or minimal sampling (1)  N/A  min max confidence interval  N/A  number  operator approximately equal to (≈)  unknown No method  Expert based Use of different method  2.5.4 b) Quality of habitat - method  2.5.7 Long-term trend direction  2.5.9 Area of suitable habitat (km²)  2.5.10 Reason for change  Improved knowledge/more accurate data Use of different method  2.6 Main Pressures  Pressure  ranking pollution qualifier(s)  demolishment of buildings & human structures (E06.01) high importance (H) N/A	2.4.6 Short-term trend period	2001-2012		
2.4.9 Short-term trend method 2.4.10 Long-term trend direction 2.4.11 Long term trend direction 2.4.12 Long-term trend method 2.4.13 Long-term trend method 2.4.14 Favourable reference 2.4.15 Reason for change 2.5.1 Surface area - Habitat (km²) 2.5.2 Year or period 2.5.3 Method used - habitat 2.5.4 b) Quality of habitat 2.5.5 Short term trend direction 2.5.5 Short term trend direction 2.5.6 Short term trend direction 2.5.7 Nog-term trend direction 2.5.8 Long term trend direction 2.5.9 Area of suitable habitat (km²) 2.5.10 Reason for change  Issumate based on expert opinion with no or minimal sampling (1)  N/A  max  confidence interval  N/A  number operator approximately equal to (≈) unknown No method  Improved knowledge/more accurate data Use of different method  2.5.1 Surface area - Habitat (km²) 2.5.2 Nog-term trend period 2.5.3 Method used - habitat 2.5.4 b) Quality of habitat — method 2.5.5 Nort term trend direction 2.5.5 Long-term trend direction 2.5.7 Area of suitable habitat (km²) 2.5.9 Area of suitable habitat (km²) 2.5.10 Reason for change  Improved knowledge/more accurate data Use of different method  Improved knowledge/more accurate data Use of different method  N/A  Improved knowledge/more accurate data Use of different method	2.4.7 Short term trend direction	stable (0)		
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2.4.15 Reason for change  2.5 Habitat for the Species 2.5.1 Surface area - Habitat (km²) 2.5.2 Year or period 2.5.3 Method used - habitat 2.5.4 a) Quality of habitat 2.5.4 b) Quality of habitat - method 2.5.5 Short term trend period 2.5.5 Short term trend direction 2.5.7 Long-term trend direction 2.5.8 Long term trend direction 2.5.9 Area of suitable habitat (km²) 2.5.10 Reason for change  Pressure  Pressure  Improved knowledge/more accurate data Use of different method  Improved knowledge/more accurate data Use of different method  N/A  Pressure  Pressure  Improved knowledge/more accurate data Use of different method  N/A  N/A				
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2.5.10 Reason for change Improved knowledge/more accurate data Use of different method  2.6 Main Pressures  Pressure ranking pollution qualifier(s)  demolishment of buildings & human structures (E06.01) high importance (H) N/A		IN/A		
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Pressure ranking pollution qualifier(s) demolishment of buildings & human structures (E06.01) high importance (H) N/A	2.3.10 Reason for change	mproved knowled	age, more accurate data t	550 of different method
demolishment of buildings & human structures (E06.01) high importance (H) N/A	2.6 Main Pressures			
	Pressure		ranking	pollution qualifier(s)
reconstruction, renovation of buildings (E06.02) high importance (H) N/A	demolishment of buildings & human structures (E06.01)		high importance (H)	N/A
	reconstruction, renovation of building	s (E06.02)	high importance (H)	N/A

2.6 Main Pressures			
Pressure		ranking	pollution qualifier(s)
demolishment of buildings & human structures (E06.01)		high importance (H)	N/A
reconstruction, renovation of buildings	(E06.02)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)		high importance (H)	N/A
Forest and Plantation management & use (B02)		medium importance (M)	N/A
forestry clearance (B02.02)		medium importance (M)	N/A
closures of caves or galleries (G05.08)		medium importance (M)	N/A
burning down (J01.01)		medium importance (M)	N/A
2.6.1 Method used – pressures	based only on exp	ert judgements (1)	
2.7 Main Threats			

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Threat	ranking	pollution qualifier(s)
demolishment of buildings & human structures (E06.01)	high importance (H)	N/A
reconstruction, renovation of buildings (E06.02)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
Forest and Plantation management & use (B02)	medium importance (M)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	medium importance (M)	N/A
burning down (J01.01)	medium importance (M)	N/A

2.7.1 Method used – threats

expert opinion (1)

#### 2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

2.8.3 Trans-boundary assessment

#### 2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range assessment Favourable (FV) qualifiers N/A

2.9.2. Population assessment Favourable (FV)

qualifiers N/A

assessment Inadequate (U1)

qualifiers N/A

assessment Inadequate (U1)

qualifiers N/A

Inadequate (U1)

declining (-)

2.9.3. Habitat

2.9.4. Future prospects

2.9.5 Overall assessment of **Conservation Status** 

2.9.5 Overall trend in

**Conservation Status** 

## 3. Natura 2000 coverage and conservation measures - Annex II species

#### 3.1 Population

3.1.1 Population Size Unit N/A

> min max

3.1.2 Method used N/A

3.1.3 Trend of population size within N/A

3.2 Conversation Measures

## 2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

#### Continental (CON)

The present species assessment (fields 0.1-2.9) has been compiled by Daniele Paoloni, Cristiano Spilinga (Associazione Teriologica Italiana - ATIt) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (Institute for Environmental Protection and Research - ISPRA). Information, unpublished data and experts' judgments

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have been provided by Paolo Agnelli, Mara Calvini, Luca Cistrone, Michele Ferretto, Danilo Russo, Dino Scaravelli, Martina Spada, Roberto Toffoli, Simone Vergari (Italian Group for bat Research).

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#### 2.3 Range

2.3.1 Surface area - Range (km²)

2.3.2 Method - Range surface area

2.3.3 Short-term trend period

2.3.4 Short-term trend direction

2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction

2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

29900

Estimate based on partial data with some extrapolation and/or modelling (2)

2001-2012 stable (0)

min max

N/A

min max

area (km²)

operator approximately equal to (≈)

unkown No

method Expert judgement

2.3.10 Reason for change

Improved knowledge/more accurate dataUse of different method

#### 2.4 Population

2.4.1 Population size

(individuals or agreed exception)

Unit N/A

min max

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2.4.2 Population size (other than individuals)		map 10x10 km grid cells (g	rids10x10)
,	min 75	max 75	
2.4.3 Additional information	Definition of locality		
	Conversion method		
	Problems	Impossible to convert	grids into individuals
2.4.4 Year or period	1985-2012		
2.4.5 Method – population size	Estimate based on e	xpert opinion with no or m	inimal sampling (1)
2.4.6 Short-term trend period	2001-2012		
2.4.7 Short term trend direction	stable (0)		
2.4.8 Short-term trend magnitude	min	max co	nfidence interval
2.4.9 Short-term trend method	Estimate based on e	xpert opinion with no or m	inimal sampling (1)
2.4.10 Long-term trend period			
2.4.11 Long term trend direction	N/A		
2.4.12 Long-term trend magnitude	min	max co	nfidence interval
2.4.13 Long-term trend method	N/A		
2.4.14 Favourable reference	number	Constall and Alle (A)	
population		imately equal to (≈)	
	unknown No		
		judgement	
2.4.15 Reason for change	Improved knowledge	e/more accurate data Use o	of different method
2.5 Habitat for the Species			
2.5.1 Surface area - Habitat (km²)			
2.5.2 Year or period			
2.5.3 Method used - habitat	Absent data (0)		
2.5.4 a) Quality of habitat	Moderate		
2.5.4 b) Quality of habitat - method	Expert based		
2.5.5 Short term trend period	2001-2012		
2.5.6 Short term trend direction	decrease (-)		
2.5.7 Long-term trend period	N1 / A		
2.5.8 Long term trend direction	N/A		
2.5.9 Area of suitable habitat (km²)	too a normal too or do also	- /	- f - d: £f
2.5.10 Reason for change	improved knowledg	e/more accurate data Use	of different method
2.6 Main Pressures			
Pressure		ranking	pollution qualifier(s)
demolishment of buildings & human structures (E06.01)		high importance (H)	N/A
reconstruction, renovation of buildings (E06.02)		high importance (H)	N/A
use of biocides, hormones and chemicals (A07)		high importance (H)	N/A
Forest and Plantation management & use (B02)		medium importance (M)	N/A
forestry clearance (B02.02)		medium importance (M)	N/A

2.7 Main Threats

based only on expert judgements (1)

closures of caves or galleries (G05.08)

2.6.1 Method used – pressures

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medium importance (M)

N/A

Threat	ranking	pollution qualifier(s)
demolishment of buildings & human structures (E06.01)	high importance (H)	N/A
reconstruction, renovation of buildings (E06.02)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
Forest and Plantation management & use (B02)	medium importance (M)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	medium importance (M)	N/A

2.7.1 Method used – threats expert opinion (1)

#### 2.8 Complementary Information

2.8.1 Justification of % thresholds for

2.8.2 Other relevant Information

2.8.3 Trans-boundary assessment

#### 2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range assessment Favourable (FV)

qualifiers N/A 2.9.2. Population assessment Favourable (FV)

qualifiers N/A

2.9.3. Habitat assessment Inadequate (U1)

qualifiers N/A

assessment Inadequate (U1)

qualifiers N/A

Inadequate (U1)

declining (-)

2.9.4. Future prospects

2.9.5 Overall assessment of **Conservation Status** 

2.9.5 Overall trend in

## **Conservation Status**

## 3. Natura 2000 coverage and conservation measures - Annex II species

#### 3.1 Population

3.1.1 Population Size Unit N/A

> min max

3.1.2 Method used N/A

3.1.3 Trend of population size within N/A

#### 3.2 Conversation Measures

## 2. Biogeographical Or Marine Level

#### 2.1 Biogeographical Region

#### 2.2 Published sources

#### Alpine (ALP)

The present species assessment (fields 0.1-2.9) has been compiled by Daniele Paoloni, Cristiano Spilinga (Associazione Teriologica Italiana - ATIt) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (Institute for Environmental Protection and Research - ISPRA). Information, unpublished data and experts' judgments have been provided by Paolo Agnelli, Mara Calvini, Luca Cistrone, Michele

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Calvini M., 2010. Monitoraggio delle colonie di chirotteri riproduttive e svernanti di particolare interesse conservazionistico note in Liguria (rapporto interno).

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#### 2.3 Range

2.3.1 Surface area - Range (km²)

2.3.2 Method - Range surface area

2.3.3 Short-term trend period

2.3.4 Short-term trend direction

2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction

2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

8800

Estimate based on expert opinion with no or minimal sampling (1)

2001-2012

unknown (x)

min max

N/A

min max

area (km²)

operator N/A unkown Yes

method Expert judgement

#### 2.3.10 Reason for change

#### 2.4 Population

2.4.1 Population size (individuals or agreed exception)

Unit N/A

min max

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2.4.2 Population size	Unit number of map 10x10 km grid cells (grids10x10)
(other than individuals)	min 16 max 16
2.4.3 Additional information	Definition of locality
	Conversion method
	Problems Impossible to convert grids into individuals
2.4.4 Year or period	1995-2012
2.4.5 Method – population size	Estimate based on expert opinion with no or minimal sampling (1)
2.4.6 Short-term trend period	2001-2012
2.4.7 Short term trend direction	unknown (x)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)
<ul><li>2.4.10 Long-term trend period</li><li>2.4.11 Long term trend direction</li></ul>	N/A
2.4.12 Long-term trend magnitude	min max confidence interval
2.4.13 Long-term trend method	N/A
2.4.14 Favourable reference	number
population	operator N/A
	unknown Yes
	method Expert judgement
2.4.15 Reason for change	
2.5 Habitat for the Species	
2.5.1 Surface area - Habitat (km²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Good
2.5.4 b) Quality of habitat - method	expert based
<ul><li>2.5.5 Short term trend period</li><li>2.5.6 Short term trend direction</li></ul>	2001-2012 stable (0)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km²)	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method
2.6 Main Pressures	
Pressure	ranking nollution qualifier(s)

2.6 Main Pressures			
Pressure		ranking	pollution qualifier(s)
demolishment of buildings & human structures (E06.01)		high importance (H)	N/A
reconstruction, renovation of building	gs (E06.02)	high importance (H)	N/A
use of biocides, hormones and chemicals (A07)		high importance (H)	N/A
Forest and Plantation management & use (B02)		medium importance (M)	N/A
forestry clearance (B02.02)		medium importance (M)	N/A
closures of caves or galleries (G05.08)		medium importance (M)	N/A
2.6.1 Method used – pressures	based only on expe	ert judgements (1)	
2.7 Main Threats			

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Threat	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
demolishment of buildings & human structures (E06.01)	high importance (H)	N/A
reconstruction, renovation of buildings (E06.02)	high importance (H)	N/A
Forest and Plantation management & use (B02)	medium importance (M)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A
closures of caves or galleries (G05.08)	medium importance (M)	N/A

2.7.1 Method used – threats expert opinion (1)

#### 2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

2.8.3 Trans-boundary assessment

#### 2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range assessment Unknown (XX) qualifiers N/A

2.9.2. Population assessment Unknown (XX)

ussessment officiowii (707)

qualifiers N/A

2.9.3. Habitat assessment Favourable (FV)

qualifiers N/A

2.9.4. Future prospects assessment Unknown (XX)

qualifiers N/A

Unknown (XX)

2.9.5 Overall assessment of

Conservation Status

2.9.5 Overall trend in Conservation Status

N/A

## 3. Natura 2000 coverage and conservation measures - Annex II species

#### 3.1 Population

3.1.1 Population Size Unit N/A

min max

3.1.2 Method used N/A

3.1.3 Trend of population size within N/A

**3.2 Conversation Measures** 

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