

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

CODE: 3280

NAME: Constantly flowing Mediterranean rivers with Paspalo-Agrostidion species and hanging curtains of Salix and Populu

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map

Yes

1.1.2 Distribution Method

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

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 Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato (SBI), Pietro Massimiliano Bianco and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).

"Filigheddu R., Farris E. & Biondi E. The vegetation of S'Ena Arrubia lagoon (centre-western Sardinia), 2000. Fitosociologia 37(1): 39-59. BIONDI E., FILIGHEDDU R., FARRIS E., 2001 – Carta della vegetazione della Laguna di S'Ena Arrubia (Oristano-Sardegna). S.EL.CA. Firenze. 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. Bianco P.M., Laureti L., Papallo O., Perfetti D. 2012 Carta degli habitat della Regione Umbria per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA. 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/> 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

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

2.3.1 Surface area - Range (km <sup>2</sup> )	73500
2.3.2 Range method used	Estimate based on expert opinion with no or minimal sampling (1)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	minmax
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	minmax
2.3.9 Favourable reference range	area (km <sup>2</sup> ) operator approximately equal to (≈) unknown No method
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.4 Area covered by Habitat

2.4.1 Surface area (km <sup>2</sup> )	68,89
2.4.2 Year or period	2005-2012
2.4.3 Method used	Estimate based on expert opinion with no or minimal sampling (1)
2.4.4 Short-term trend period	2001-2012
2.4.5 Short-term trend direction	stable (0)
2.4.6 Short-term trend magnitude	minmax
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	minmax
2.4.11 Long term trend method used	N/A
2.4.12 Favourable reference area	area (km) operator approximately equal to (≈) unknown No method
2.4.13 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
roads, motorways (D01.02)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Sand and gravel extraction (C01.01)	medium importance (M)	N/A
Discharges (E03)	medium importance (M)	N/A
Fertilisation (A08)	medium importance (M)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
modifying structures of inland water courses (J02.05.02)	medium importance (M)	N/A
Erosion (K01.01)	medium importance (M)	N/A
discontinuous urbanisation (E01.02)	medium importance (M)	N/A

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canalisation (J02.03.02)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	high importance (H)	N/A
Modification of hydrographic functioning, general (J02.05)	medium importance (M)	N/A
bridge, viaduct (D01.05)	medium importance (M)	N/A
invasive non-native species (I01)	medium importance (M)	N/A

## 2.5.1 Method used – pressures

mainly based on expert judgement and other data (2)

## 2.6 Main Threats

Threat	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
roads, motorways (D01.02)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Sand and gravel extraction (C01.01)	medium importance (M)	N/A
Discharges (E03)	medium importance (M)	N/A
Fertilisation (A08)	medium importance (M)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
modifying structures of inland water courses (J02.05.02)	medium importance (M)	N/A
Erosion (K01.01)	medium importance (M)	N/A
discontinuous urbanisation (E01.02)	medium importance (M)	N/A
canalisation (J02.03.02)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	high importance (H)	N/A
Modification of hydrographic functioning, general (J02.05)	medium importance (M)	N/A
bridge, viaduct (D01.05)	medium importance (M)	N/A
invasive non-native species (I01)	medium importance (M)	N/A

## 2.6.1 Method used – threats

expert opinion (1)

## 2.7 Complementary Information

### 2.7.1 Species

Paspalum paspaloides (= P.distichum)
Paspalum vaginatum
Polypogon viridis (= Agrostis semiverticillata)
Lotus tenuis
Lythrum junceum
Saponaria officinalis
Salix sp.
Populus alba
Populus nigra
Equisetum telmateja
Agrostis stolonifera
Cyperus fuscus

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

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 Favourable (FV)  
qualifiers N/A

2.8.2 Area assessment Favourable (FV)  
qualifiers N/A

2.8.3 Specific structures and functions (incl Species) assessment Favourable (FV)  
qualifiers N/A

2.8.4 Future prospects assessment Favourable (FV)  
qualifiers N/A

2.8.5 Overall assessment of Conservation Status Favourable (FV)

2.8.5 Overall trend in Conservation Status N/A

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

### 3.1 Area covered by habitat

3.1.1 Surface area (km<sup>2</sup>) min 66,0453 max 66,0453

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

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Other wetland-related measures (4.0)	One-off	medium importance (M)	Both	Enhance Long term
Other spatial measures (6.0)	Administrative	medium importance (M)	Both	Maintain Enhance Long term
Establish protected areas/sites (6.1)	Administrative	high importance (H)	Inside	Maintain Enhance Long term
Legal protection of habitats and species (6.3)	Administrative	high importance (H)	Both	Maintain Enhance Long term

2.1 Biogeographical Region

2.2 Published

### Continental (CON)

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 and Liliana Zivkovic(SBI). "Bianco P.M., Laureti L., Papallo O. , Perfetti D. 2012 Carta degli habitat della Regione Umbria per il sistema informativo di Carta della Natura alla scala

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

1:50.000. ISPRA 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/> Blasi et al., 2010. La Vegetazione d'Italia con Carta delle Serie di Vegetazione in scala 1:500000. Palombi ed., 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  
 Desaresi S, Biondi E, Casavecchia S, Catorci A, Foglia M., 2007. Il Geodatabase del Sistema Informativo Vegetazionale delle Marche. Fitosociol 44 (2) suppl. 1: 95-101  
<http://www.ortobotanico.univpm.it/cartography/>

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

2.3.1 Surface area - Range (km <sup>2</sup> )	12300
2.3.2 Range method used	Estimate based on expert opinion with no or minimal sampling (1)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	unknown (x)
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 (km <sup>2</sup> ) operator approximately equal to (≈) unknown No method
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.4 Area covered by Habitat

2.4.1 Surface area (km <sup>2</sup> )	8,34
2.4.2 Year or period	2005-2012
2.4.3 Method used	Estimate based on expert opinion with no or minimal sampling (1)
2.4.4 Short-term trend period	2001-2012
2.4.5 Short-term trend direction	unknown (x)
2.4.6 Short-term trend magnitude	min max
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
2.4.11 Long term trend method used	N/A
2.4.12 Favourable reference area	area (km) operator more than (>) unknown No method
2.4.13 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.5 Main Pressures

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

Pressure	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
roads, motorways (D01.02)	low importance (L)	N/A
dispersed habitation (E01.03)	low importance (L)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Fertilisation (A08)	medium importance (M)	N/A
Discharges (E03)	low importance (L)	N/A
Sand and gravel extraction (C01.01)	low importance (L)	N/A
reclamation of land from sea, estuary or marsh (J02.01.02)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A

2.5.1 Method used – pressures mainly based on expert judgement and other data (2)

## 2.6 Main Threats

Threat	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
roads, motorways (D01.02)	low importance (L)	N/A
dispersed habitation (E01.03)	low importance (L)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Fertilisation (A08)	medium importance (M)	N/A
Discharges (E03)	low importance (L)	N/A
Sand and gravel extraction (C01.01)	low importance (L)	N/A
reclamation of land from sea, estuary or marsh (J02.01.02)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A

2.6.1 Method used – threats expert opinion (1)

## 2.7 Complementary Information

### 2.7.1 Species

Paspalum paspaloides (= P.distichum)

Polypogon viridis (= Agrostis semiverticillata)

Lotus tenuis

Saponaria officinalis

Elymus repens

Ranunculus repens

Rumex sp. pl.

Cynodon dactylon

Cyperus fuscus

Salix sp. pl.

Populus alba

Populus nigra

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

## 2.7.2 Species method used

List from field "combinazione fisionomica di riferimento" of habitat's form in: Manuale Italiano di Interpretazione degli Habitat (Biondi et al., 2009; <http://vnr.unipg.it/habitat/>)

## 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 Unknown (XX)  
qualifiers N/A

### 2.8.2 Area

assessment Unknown (XX)  
qualifiers N/A

### 2.8.3 Specific structures and functions (incl Species)

assessment Unknown (XX)  
qualifiers N/A

### 2.8.4 Future prospects

assessment Unknown (XX)  
qualifiers N/A

### 2.8.5 Overall assessment of Conservation Status

Unknown (XX)

### 2.8.5 Overall trend in Conservation Status

N/A

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

### 3.1 Area covered by habitat

#### 3.1.1 Surface area (km<sup>2</sup>)

min 6,406 max 6,406

#### 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

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Other wetland-related measures (4.0)	Recurrent	medium importance (M)	Inside	Maintain
Other spatial measures (6.0)	Administrative	medium importance (M)	Both	Maintain Enhance Long term
Establish protected areas/sites (6.1)	Administrative	high importance (H)	Inside	Maintain Enhance Long term
Legal protection of habitats and species (6.3)	Administrative	high importance (H)	Both	Maintain Enhance Long term

## 2.1 Biogeographical Region

## 2.2 Published

### Alpine (ALP)

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 Cesare Lasen(SBI).



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

"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/>Blasi et al., 2010. La Vegetazione d'Italia con Carta delle Serie di Vegetazione in scala 1:500000. Palombi ed., 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 LazioISPRA, 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

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

2.3.1 Surface area - Range (km <sup>2</sup> )	5200
2.3.2 Range method used	Estimate based on expert opinion with no or minimal sampling (1)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	unknown (x)
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 (km <sup>2</sup> ) operator N/A unknown Yes method
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.4 Area covered by Habitat

2.4.1 Surface area (km <sup>2</sup> )	16,53
2.4.2 Year or period	2005-2012
2.4.3 Method used	Estimate based on expert opinion with no or minimal sampling (1)
2.4.4 Short-term trend period	2001-2012
2.4.5 Short-term trend direction	unknown (x)
2.4.6 Short-term trend magnitude	min max
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
2.4.11 Long term trend method used	N/A
2.4.12 Favourable reference area	area (km) operator N/A unknown Yes method
2.4.13 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.5 Main Pressures



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Pressure	ranking	pollution qualifier(s)
roads, motorways (D01.02)	low importance (L)	N/A
artificial planting on open ground (non-native trees) (B01.02)	low importance (L)	N/A
Outdoor sports and leisure activities, recreational activities (G01)	low importance (L)	N/A

2.5.1 Method used – pressures mainly based on expert judgement and other data (2)

## 2.6 Main Threats

Threat	ranking	pollution qualifier(s)
roads, motorways (D01.02)	low importance (L)	N/A
artificial planting on open ground (non-native trees) (B01.02)	low importance (L)	N/A
Outdoor sports and leisure activities, recreational activities (G01)	low importance (L)	N/A

2.6.1 Method used – threats expert opinion (1)

## 2.7 Complementary Information

### 2.7.1 Species

Paspalum paspaloides (= P.distichum)

Polypogon viridis (= Agrostis semiverticillata)

Lotus tenuis

Saponaria officinalis

Elymus repens

Ranunculus repens

Rumex sp. pl.

Cynodon dactylon

Cyperus fuscus

Salix sp. pl.

Populus alba

Populus nigra

### 2.7.2 Species method used

List from field "combinazione fisionomica di riferimento" of habitat's form in: Manuale Italiano di Interpretazione degli Habitat (Biondi et al., 2009; <http://vnr.unipg.it/habitat/>)

### 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 Unknown (XX)  
qualifiers N/A

2.8.2 Area assessment Unknown (XX)  
qualifiers N/A

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

2.8.3 Specific structures and functions (incl Species)	assessment Unknown (XX) qualifiers N/A
2.8.4 Future prospects	assessment Unknown (XX) qualifiers N/A
2.8.5 Overall assessment of Conservation Status	Unknown (XX)
2.8.5 Overall trend in Conservation Status	N/A

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

### 3.1 Area covered by habitat

3.1.1 Surface area (km <sup>2</sup> )	min	16,4982	max	16,4982
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

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
No measure known/ impossible to carry out specific measures (1.3)		( )		