

## Aggiornamento alla lista dei *syntaxa* segnalati per la Regione Emilia-Romagna (2000-2004)

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### NOTE

Dopo il nome del *syntaxon* e il relativo autore possono comparire i simboli seguenti che qualificano il tipo di segnalazione:

[I] *syntaxon* riportato unicamente quale inquadramento di altri;

[S] *syntaxon* riportato solo quale sinonimo di altro *syntaxon*;

(trattino e nessun simbolo tra parentesi quadre) *syntaxon* effettivamente segnalato in quanto tale.

Ove nello stesso lavoro e mediante ugual tipo di dati, il medesimo *syntaxon* venga segnalato e risulti anche di inquadramento di altri *syntaxa*, viene riportata unicamente la segnalazione effettiva.

Dopo il numero in grassetto che identifica la fonte nella Bibliografia Fitosociologica Italiana compaiono i simboli che si riferiscono alle possibili condizioni di novità sintassonomica o nomenclaturale del *syntaxon* segnalato nel lavoro citato:

\* *syntaxon* di nuova descrizione con indicazione di *holotypus*

^ *syntaxon* di nuova descrizione con indicazione di un tipo nomenclaturale

+ *syntaxon* di nuova descrizione senza indicazione di un tipo nomenclaturale

# indicazione di *lectotypus*

§ indicazione di *neotypus*

° attribuzione di *nomen novum* a un *syntaxon*

(nessun simbolo indicato) mancanza di condizioni di novità sintassonomica o nomenclaturale

La lettera maiuscola che segue immediatamente fa riferimento alla natura dei dati disponibili per il *syntaxon* citato nel lavoro indicato:

T tabella analitica

S tabella sintetica o sinottica

R rilievo singolo

C elenco delle caratteristiche

L lista floristica

I lista floristica incompleta

(nessuna lettera indicata) assenza di dati di supporto

Ove nello stesso lavoro la segnalazione di un *syntaxon* venga supportata da dati di tipo diverso viene riportata unicamente la registrazione relativa al tipo di dati considerato maggiormente informativo in accordo alla sequenza decrescente qui sopra indicata.

### LISTA SINTASSONOMICA

#### CLASSI

*Adiantetea capilli-veneris* [I] **3073C**

*Alnetea glutinosae* Br.-Bl. et R. Tx. ex Westhoff *et al.*  
1946 [I] **3144T**

*Alnetea glutinosae* Br.-Bl. et Tuxen ex Westhoff, Dijk,  
Passchier 1946 [I] **3188**

*Ammophiletea* Br.-Bl. et R. Tx. ex Westhoff, Dijk,  
Passchier 1946 [I] **2953T**

*Artemisietea vulgaris* Lohm. *et al.* in Tx. 1950 [I] **3263I**

*Artemisietea vulgaris* Lohmeyer *et al.* in R. Tx. 1950 -

#### **3263I**

*Artemisietea vulgaris* Lohmeyer, Preising, R. Tx. ex v.  
Rochow 1951 [I] **2874T 2876S**

*Artemisietea vulgaris* Lohmeyer, Preising, Tüxen ex von  
Rochow 1951 [I] **2920I**

*Asplenietea trichomanis* (Br.-Bl. 1934) Oberd. 1977 [I]  
**3263C**

*Asplenietea trichomanis* (Br.-Bl. in Meier et Br.-Bl.  
1934) Oberd. 1977 [I] **2829T 3261**

*Betulo-Adenostyleta* - **3073C**

*Bidentetea tripartitiae* R. Tx. *et al.* in R. Tx. 1950 [I]  
**2874T 2876S**

- Bidentetea tripartitae* Tuxen, Lohmeyer, Preising ex von Rochow 1951 [I] **3188**
- Bidentetea tripartiti* R. Tx. et al. in R. Tx. 1950 [I] **3144I**
- Cakiletea maritimae* R. Tx. et Preising in R. Tx. 1950 [I] **2953C**
- Cakiletea maritimae* R. Tx. et Prsg. 1950 [I] **3186**
- Cakiletea maritimae* Tuxen et Prsg. 1950 [I] **3188**
- Calluno-Ulicetea* [I] **3073C**
- Caricetea curvulae* Br.-Bl. 1948 [I] **3097S 3260S 3261I**
- Caricetea curvulae* [I] **3073C**
- Charetea fragilis* Fukarek ex Krausch 1964 [I] **3188**
- Charetea fragilis* - **3073C**
- Cisto-Lavanduletea* - **3073C**
- Crataego-Prunetea* R. Tx. ex Rivas Goday 1964 [I] **2953T**
- Epilobetea angustifolii* [I] **3073C**
- Epilobetea angustifolii* R. Tx. et Preising 1950 [I] **3263I**
- Euphorbio paraliae-Ammophiletea australis* J.M. et J. Géhu 1988 [I] **3188I**
- Festuco-Brometea erecti* Br.-Bl. et Tuxen ex Klika et Hadac 1944 [I] **3188**
- Festuco-Brometea* Br.-Bl. et R. Tx. ex Klika et Hadac 1943 [I] **2829T**
- Festuco-Brometea* Br.-Bl. et Tuxen ex Klika et Hadac 1944 [I] **3188**
- Festuco-Brometea* [I] **3073C**
- Festuco-Brometea* - **3073C**
- Galio-Urticetea* Passarge ex Kopecky 1969 [I] **3263I**
- Helianthemetea guttati* (Br.-Bl. ex Rivas-Goday 1958) Rivas-Goday et Rivas-Martinez 1963 [I] **3188**
- Isoeto-Nanojuncetea* Br.-Bl. et R. Tx. ex Westhoff et al. 1946 [I] **3144I**
- Isoeto-Nanojuncetea* Br.-Bl. et Tuxen ex Westhoff et al. 1946 [I] **3188**
- Juncetea maritimi* Br.-Bl. 1931 in Br.-Bl. et al. 1952 [I] **3188**
- Juncetea maritimi* Br.-Bl. 1952 em. Beeftink 1965 [I] **3186T**
- Koelerio-Corynephoretea* Klika et Novak 1941 [I] **3188**
- Lemnetea* (R. Tx. 1955) de Bolos et Masclans 1955 [I] **3190T**
- Lemnetea* Tuxen ex O. Bolos et Masclans 1955 [I] **3188**
- Lemnetea* Tüxen ex O. Bolos et Masclans 1955 [I] **3235T**
- Lemnetea* de Bolos et Masclans 1955 [I] **3144T 3187T**
- Loiseleurio-Vaccinietea* Eggler 1952 [I] **3261 3263C**
- Molinietalia* [I] **3073C**
- Molinio-Arrhenatheretea elatioris* Tuxen 1937 [I] **3188**
- Molinio-Arrhenatheretea* R. Tx. (1937) 1950 [I] **3263I**
- Molinio-Arrhenatheretea* R. Tx. (1937) 1970 [I] **3263I**
- Montio-Cardaminetea* [I] **3073C**
- Ononido-Rosmarinetea* [I] **3073C**
- Phragmitetea* [I] **3073C**
- Phragmito-Magnocaricetea* Klika in Klika et Novak 1941 [I] **3144T 3187T 3188I**
- Potametea* Klika in Klika et Novak 1941 [I] **3188**
- Potametea* R. Tx. et Preising 1942 [I] **3144T 3187T**
- Quercetea ilicis* Br.-Bl. 1947 [I] **3188**
- Quercetea ilicis* Br.-Bl. ex A. Bolòs 1950 [I] **2953C**
- Querco-Fagetea sylvaticae* Br.-Bl. et Vlieg. in Vlieg. 1937 [I] **3188**
- Querco-Fagetea* Br.-Bl. et Vlieger in Vlieger 1937 [I] **3273C**
- Querco-Fagetea* Br.-Bl. et Vlieger in Vlieger 1937 [I] **2833C 2910T 2929S 2963C**
- Querco-Fagetea* Br.-Bl. et Vlieger in Vlieger [I] **2833**
- Querco-Fagetea* Br.-Bl. et Vlieger in Vlieger 1937 [I] **2910T**
- Querco-Fagetea* [I] **3073C**
- Rhamno cathartici-Prunetea spinosae* Rivas-Goday et Borja 1961 [I] **2907T**
- Rhamno-Prunetea* Rivas Goday et Borja Carbonell ex Tüxen 1962 [I] **2907T 3213C**
- Rhamno-Prunetea* Rivas-Goday et Borja Carbonell 1961 [I] **3144C 3263I**
- Rhamno-Prunetea* Rivas-Goday et Borja Carbonell ex Tuxen 1962 [I] **3188**
- Ruppieteа maritimae* J. Tuxen 1960 [I] **3188**
- Saginetea maritimae* Westhoff, Van Leeuwen, Adriani 1962 [I] **2920C**
- Salicetea herbaceae* Br.-Bl. et al. 1948 [I] **3261I**
- Salicetea herbaceae* [I] **3073C**
- Salicetea purpureae* [I] **3073C**
- Salicetea purpureae* Moor 1958 [I] **2874T 3188**
- Sarcocornietea fruticosae* Tuxen et Oberd. 1958 [I] **3188**
- Sedo-Scleranthetea* [I] **3073C**
- Seslerietea albicans* Oberd. 1978 corr. Oberd. 1990 [I] **3097S 3260S 3261 3262T**
- Seslerietea variae* [I] **3073C**
- Seslerietea variae* - **3073C**
- Spartinetea maritimae* (Tuxen 1961) Beeftink, Géhu, Ohba, Tuxen 1971 [I] **3188**
- Sphagnetalia magellanici* [I] **3073C**
- Thero-Brachypodietea* [I] **3073C**
- Thero-Salicornietea* Pign. 1953 em. Tuxen 1974 [I] **3188**
- Thlaspietea rotundifolii* Br.-Bl. 1948 [I] **2829T**
- Thlaspietea rotundifolii* Br.-Bl. et al. 1948 [I] **3261**
- Thlaspietea rotundifolii* [I] **3073C**
- Trifolio medii-Geranietae sanguinei* Müller 1962 [I] **3278T**
- Trifolio medii-Geranietae sanguinei* Müller 1962 -

**3278T**

*Trifolio-Geranietae* [I] **3073C**

*Tuberarietea guttatae* Br.-Bl. (1952) 1964 [I] **2953T**

*Vaccinio-Piceetea* [I] **3073C**

**ORDINI**

*Adiantetalia* - **3073C**

*Agropyretalia repantis* Oberd., Th. Müller, Görs in Oberd. et al. 1967 [I] **2874T 2876S**

*Agropyretalia repantis* Oberdorfer, Müller, Görs in Oberdorfer, Görs, Korneck, Lohmeyer, Müller, Philippi, Seibert 1967 [I] **2920I**

*Agrostietalia stoloniferae* [I] **3073C**

*Alnetalia glutinosae* R. Tx. 1937 [I] **3144T**

*Alnetalia glutinosae* Tuxen 1937 [I] **3188**

*Ammophiletalia arundinaceae* [I] **3073C**

*Ammophiletalia australis* Br.-Bl. (1931) 1933 em. J.M. et J. Géhu 1988 [I] **3188I**

*Ammophiletalia* Br.-Bl. 1933 [I] **2953T**

*Androsacetalia alpinae* Br.-Bl. in Br.-Bl. et Jenny 1926 [I] **3047 3048**

*Androsacetalia alpinae* Br.-Bl. 1926 [I] **3263C**

*Androsacetalia alpinae* Br.-Bl. in Br.-Bl. et Jenny 1926 [I] **3049**

*Androsacetalia alpinae* [I] **3073C**

*Androsacetalia multiflorae* Br.-Bl. in Br.-Bl. et Meier 1934 [I] **2829T**

*Androsacetalia multiflorae* Br.-Bl. in Meier et Br.-Bl. 1934 [I] **3261**

*Androsacetalia multiflorae* [I] **3073C**

*Androsacetalia vandellii* Br.-Bl. in Meier et Br.-Bl. 1934 [I] **3047 3048**

*Androsacetalia vandellii* Br.-Bl. in Meier et Br.-Bl. 1934 [I] **3049**

*Androsacetalia vandellii* - **3073C**

*Arrhenatheratalia elatioris* - **3073C**

*Arrhenatheretalia elatioris* [I] **3073C**

*Arrhenatheretalia* [I] **3073C**

*Asplenietalia billotii* - **3073C**

*Asplenietalia lanceolato-obovati* - **3073C**

*Bidentetalia tripartitae* Br.-Bl. et R. Tx. 1943 ex Klika et Hadac 1944 [I] **2874T 2876S**

*Bidentetalia tripartitae* Br.-Bl. et Tuxen ex Klika et Hadac 1944 [I] **3188**

*Bidentetalia tripartiti* Br.-Bl. et R. Tx. 1950 ex Klika et Hadac 1944 - **3144I**

*Bolboschoenetalia maritimae* Hejny in Holub et al. 1967 [I] **3185 3188**

*Bolboschoenetalia maritimae* - **3073C**

*Brachypodietalia distachyae* - **3073C**

*Brometalia erecti* Br.-Bl. 1936 [I] **2829T 3188**

*Brometalia rubenti-tectori* - **3073C**

*Caricetalia curvulae* Br.-Bl. in Br.-Bl. et Jenny 1926 [I] **3048**

*Caricetalia curvulae* Br.-Bl. in Br.-Bl. et Jenny 1926 [I] **3047**

*Caricetalia curvulae* Br.-Bl. 1926 [I] **3263C**

*Caricetalia curvulae* Br.-Bl. in Br.-Bl. et Jenny 1926 [I] **3049 3097S 3260S 3261I**

*Caricetalia nigrae* (W. Koch 1926) Nordh. 1936 [I] **3047**

*Caricetalia nigrae* (W. Koch 1926) Nordh. 1936 [I] **3048 3049**

*Caricetalia nigrae* [I] **3073C**

*Charetales hispidae* Sauer ex Krausch 1964 [I] **3188**

*Convolvutetalia sepium* - **3073C**

*Corynephoretalia canescens* Klika 1934 [I] **3188**

*Cratoneuro-Philonotidetalia* Geissler 1976 [I] **3263C**

*Cyperetalia fusci* [I] **3073C**

*Cytisetalia scopario-striati* - **3073C**

*Cytisetalia* - **3073C**

*Epilobietalia angustifolii* [I] **3073C**

*Epilobietalia fleischeri* - **3073C**

*Euphorbietales peplis* R. Tx. 1950 [I] **2953C 3186**

*Euphorbietales peplis* Tuxen 1950 [I] **3188**

*Fagetalia sylvaticae* [I] **3073C**

*Fagetalia sylvaticae* Pawłowski 1928 [I] **3263C**

*Fagetalia sylvaticae* Pawłowski in Pawłowski, Sokolowski, Wallisch 1928 [I] **2910T**

*Fagetalia sylvaticae* - **3073C**

*Frankenietalia pulverulenta* Rivas-Martínez ex Castroviejo et Porta 1976 [I] **2920C**

*Galio-Parietarietalia officinalis* Boscaiu et al. 1966 [I] **2829T 3263I**

*Galio-Parietarietalia officinalis* - **3073C**

*Glechometalia hederaceae* - **3073C**

*Helianthemo jonici-Scabiosetalia albae* Brullo, Giusso del Galdo, Siracusa, Spampinato 2001 [I] **2953T**

*Holoschoenetalia vulgaris* Br.-Bl. ex Tchou 1948 [I] **3188**

*Holoschoenetalia* [I] **3073C**

*Hydrocharitetalia* Rubel 1933 [I] **3144T 3188**

*Hydrocharitetalia* Rübel 1933 [I] **3187T**

*Isoetalia* [I] **3073C**

*Juncetalia maritimae* Br.-Bl. 1931 [I] **3186T 3188**

*Juncetalia maritimae* [I] **3073C**

*Lathyr veneti-Carpinetalia* - **3073C**

*Lemnetalia minoris* (R. Tx. 1955) de Bolos et Masclans 1955 [I] **3190T**

*Lemnetalia minoris* Tuxen ex O. Bolos et Masclans 1955 [I] **3188**

*Lemnetalia minoris* Tüxen ex O. Bolos et Masclans 1955

- [I] **3235T**  
*Lemnetalia minoris* de Bolos et Masclans 1955 [I]  
**3144T 3187T**  
*Littorelletalia* [I] **3073C**  
*Malcolmietalia* Rivas Goday 1958 [I] **2953T**  
*Malcolmietalia* Rivas-Goday 1958 [I] **3188**  
*Molinietalia* [I] **3073C**  
*Molinietalia* Koch 1926 [I] **3188**  
*Montio-Cardaminetalia* Br.-Bl. et Tx. ex Klika et Hadac  
 1944 [I] **3047 3048**  
*Montio-Cardaminetalia* Br.-Bl. et Tx. ex Klika et Hadac  
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*Nanocyperetalia* Klika 1935 [I] **3144I 3188**  
*Nardetalia* [I] **3073C**  
*Nardetalia* Oberd. 1949 em. Prsg. 1949 [I] **3047 3048**  
**3049**  
*Origanetalia vulgaris* Müller 1962 [I] **3278T**  
*Origanetalia vulgaris* Müller 1962 - **3278T**  
*Phragmitetalia* Koch 1926 em. Pign. 1953 [I] **3188I**  
*Phragmitetalia* Koch 1926 [I] **3144T 3187T**  
*Pistacio-Rhamnetalia alaterni* [I] **3073C**  
*Populetalia albae* Br.-Bl. ex Tchou 1948 [I] **2963C**  
*Populetalia albae* [I] **3073C**  
*Potametalia* Koch 1926 [I] **3144T 3187T 3188**  
*Potentilletalia caulescentis* Br.-Bl. in Br.-Bl. et Jenny  
 1926 [I] **3261**  
*Potentilletalia caulescentis* - **3073C**  
*Potentillo-Polygonetalia* R. Tx. 1947 - **3263I**  
*Prunetalia spinosae* [I] **3073C**  
*Prunetalia spinosae* R. Tx. 1952 [I] **2953T**  
*Prunetalia spinosae* R. Tx. 1952 - **3144C 3263I**  
*Prunetalia spinosae* Tuxen 1952 [I] **2907T 3188**  
*Prunetalia spinosae* Tüxen 1952 [I] **3213C**  
*Prunetalia spinosae* - **3073C**  
*Prunetalia* [I] **3073T**  
*Puccinellietalia distantis* - **3073C**  
*Quercetalia humili-petraeae* Klika 1933 [I] **3273C**  
*Quercetalia ilicis* Br.-Bl. (1931) 1936 em. Rivas-  
 Martinez 1975 [I] **3188**  
*Quercetalia ilicis* Br.-Bl. 1936 em. Rivas-Martínez 1975  
 [I] **2953C**  
*Quercetalia pubescenti-petraeae* Klika 1933 corr. [I]  
**2929S**  
*Quercetalia pubescens-petraeae* Klika 1933 [I] **2833C**  
*Quercetalia pubescens* Klika 1933 [I] **3188**  
*Quercetalia pubescens* - **3073C**  
*Rhododendro-Vaccinietalia* Br.-Bl. in Br.-Bl. et Jenny  
 1926 [I] **3047 3048 3049 3261**  
*Ruppietalia maritimae* J. Tuxen 1960 [I] **3188**  
*Salicetalia auritae* Doing 1962 [I] **3144T**  
*Salicetalia herbaceae* Br.-Bl. in Br.-Bl. et Jenny 1926  
 [I] **3047 3048 3049 3261I**  
*Salicetalia purpureae* Moor 1958 [I] **2874T 3188**  
*Salicetalia purpureae* - **3073C**  
*Salicornietalia europeae* Pign. 1953 em. Tuxen 1974  
**I 3188**  
*Salicornietalia fruticosae* [I] **3073C**  
*Sarcocornietalia fruticosae* (Br.-Bl. 1931) Tuxen et  
 Oberd. 1958 [I] **3188**  
*Scheuchzerietalia palustris* [I] **3073C**  
*Seslerietalia coeruleae* Br.-Bl. in Br.-Bl. et Jenny 1926  
 [I] **3097S 3260S 3261 3262T**  
*Spartinetalia maritimae* (Tuxen 1961) Beeftink, Géhu,  
 Ohba, Tuxen 1971 [I] **3188**  
*Thero-Salicorietalia* [I] **3073C**  
*Thlaspietalia rotundifoli Br.-Bl.* 1926 [I] **3263I**  
*Thlaspietalia rotundifoli Br.-Bl.* in Br.-Bl. et Jenny 1926  
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*Thlaspietalia rotundifoli* [I] **3073C**  
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*Ulvetalia* - **3073C**  
*Utricularietalia minoris* den Hartog et Segal 1964 [I]  
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*Artemisio albae-Bromenalia erecti* Biondi 1995 [I]  
**2829T**  
*Vincetoxicico-Quercenalia humilis* Ubaldi 2003 - **3273C#**
- ALLEANZE**  
*Aegopodium podagrariae* - **3073C**  
*Agropyron juncei* [I] **3073C**  
*Agropyro-Rumicion crispi* - **3073C**  
*Agropyro-Rumicion* - **3073C**  
*Alchemillo-Poion supinae* Ellmauer et Mucina 1993 [I]  
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*Alliarion* - **3073C**  
*Alnion glutinosae* Malcuit 1929 [I] **3144T 3188**  
*Alnion incanae* [I] **3073C**  
*Alnion incanae* Pawłowski in Pawłowski et Wallisch  
 1928 - **3263C**  
*Alno-Padion* - **3073C**  
*Alno-Quercion roboris* Horvat 1950 [I] **2963C**  
*Alysson bertolonii* E. et S. Pignatti 1977 [I] **2829T**  
*Alysson-Sedion albi* - **3073C**  
*Ammophilion arenariae* [I] **3073C**  
*Ammophilion australis* Br.-Bl. (1931) 1933 em. J.M. et  
 J. Géhu 1988 [I] **3188I**  
*Ammophilion australis* Br.-Bl. 1921 em. Géhu, Rivas-  
 Martínez, R. Tx. in Rivas-Martínez *et al.* 1980 [I]  
**2953T**

- Androsacion alpinae* [I] **3073C**  
*Androsacion alpinae* - **3073C**  
*Androsacion multiflorae* Br.-Bl. in Br.-Bl. et Jenny 1926  
 [I] **3261**  
*Androsacion multiflorae* - **3073C**  
*Aphyllanthion* - **3073C**  
*Asplenion septentrionalis* - **3073C**  
*Asplenion serpentini* Br.-Bl. et R. Tx. ex Eggler 1955  
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*Asplenion serpentini* - **3073C**  
*Atropion* - **3073C**  
*Berberidion vulgaris* Br.-Bl. 1950 [I] **2907T**  
*Berberidion* [I] **3073T**  
*Bidention tripartitae* Nordh. 1940 em. Tuxen in Poli et J. Tuxen 1960 [I] **3188**  
*Bidention tripartitae* Nordhagen 1940 em. R. Tx. in Poli et J. Tx. 1960 [I] **2874T**  
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*Bidention* - **3073C**  
*Bromion erecti* Koch 1926 [I] **3188 3263C**  
*Bromion erecti* Koch 1926 - **3188 3263I**  
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*Calluno-Genistion pilosae* - **3073C**  
*Calthion palustris* - **3073C**  
*Carici piluliferae-Epilobion angustifolii* R. Tx. 1950 - **3263I**  
*Caricion curvulae* Br.-Bl. in Br.-Bl. et Jenny 1926 [I] **3261**  
*Caricion curvulae* - **3073C**  
*Caricion davallianae* - **3073C**  
*Caricion ferruginea* G. Br.-Bl. et J. Br.-Bl. 1931 [I] **3097S 3260S 3261 3262T 3263C**  
*Caricion lasiocarpae* - **3073C**  
*Caricion nigrae* [I] **3073C**  
*Caricion nigrae* Koch 1926 em. Nordh. 1937 [I] **3263I**  
*Carpinion betuli* - **3073C**  
*Carpinion orientalis* Horvat 1958 [I] **2929S**  
*Charion canescens* Krausch 1964 [I] **3188**  
*Chenopodion rubri* R. Tx. in Poli et J. Tx. 1960 [I] **2874T 2876S**  
*Cnidion dubii* - **3073C**  
*Convolvulo-Agropyron repantis* Görs 1966 [I] **2874T 2876S**  
*Cratoneurion* - **3073C**  
*Crepidio lacerae-Phleion ambigui* [I] **3073C**  
*Cyclamino-Quercion brachyphyllae* - **3073C**  
*Cyclamino-Quercion ilicis* - **3073C**  
*Cynosurion* - **3073C**  
*Cystopteridion fragilis* Rich. 1972 [I] **3261**  
*Cytision sessilifolii* Biondi in Biondi, Allegrezza, Guitan 1988 [I] **2907T**  
*Cytision sessilifolii* - **3073C**  
*Deschampsion caespitosae* - **3073C**  
*Dryopteridion abbreviatae* Rivas-Martinez 1977 [I] **3261**  
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*Agropyrenion farcti* Rivas-Martínez, Costa, Castroviejo, Valdes Bermajo 1980 [I] **2953T**  
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- Hyperico richeri-Vaccinietum gaultherioidis* - **3068**
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- Limonio narbonensis-Spartinetum maritimae* - **3073C**
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- Lonicero xylostei-Salicetum apenninae* E. Biondi et S. Casavecchia 2002 - **2907T^**
- Luzuletum spadiceae* - **3073C**
- Luzulo niveae-Fagetum* - **3073C**
- Luzulo pedemontanae-Fagetum* - **3073C**
- Luzulo pedemontanae-Fagetum sylvaticae* Oberd. et Hofmann 1967 - **3263C**
- Mariscetum serrati* Zobrist 1935 - **3144T 3188**
- Mariscetum serrati* - **3073C**
- Medicagineto-Ammophiletum* Pignatti 1952 non Br.-Bl. 1921 [S] **2953T**
- Melico nutantis-Fagetum* - **3073C**
- Mugo-Rhodoretum hirsuti* - **3073C**
- Nymphaeetum albo-luteae* Nowinski 1928 - **3144T 3188**
- Nymphaeetum albo-luteae* - **3073C**
- Nymphoidetum peltatae* - **3073C**
- Oligotricho-Gnaphalieturn supini* Tomaselli 1991 - **2895 3047 3048 3049 3261 3263C**
- Oligotricho-Gnaphalieturn supini* - **3073C**
- Onobrychidi-Brometum* - **3073C**
- Orno-Quercetum ilicis* (Horvatic 1939) Horvatic 1958 - **3188**
- Orno-Quercetum ilicis* Horvatic (1956) 1958 - **2953C**
- Peucedano cervariae-Quercetum pubescens* (Ubaldi et al. 1984) Ubaldi 1988 [I] **2833**
- Peucedano-Quercetum pubescens* (Ubaldi et al. 1984) Ubaldi 1988 [I] **2833C**
- Phragmitetum communis* - **3073C**
- Phragmitetum vulgaris* von Soo 1927 - **3144T 3185**

- 3188**
- Phyteumo scorzonerifoliae-Teucrietum scorodoniae*  
Vagge et Biondi 2004 [I] **3278T**
- Phyteumo scorzonerifoliae-Teucrietum scorodoniae*  
Vagge et Biondi 2004 - **3278T\***
- Piceetum subalpinum* - **3073C**
- Pinetum sylvestris* - **3073C**
- Polygonato verticillati-Fagetum* Ubaldi et Speranza  
1985 - **3013**
- Polygono hydropiperis-Bidentetum tripartitae* Lohm. in  
R. Tx. 1950 - **2874T**
- Polygono-Xanthietum italicici* Pirola et Rossetti 1974 -  
**2874T 2876S**
- Polytrichetum sexangularis* Frey 1922 - **3261**
- Polytrichetum sexangularis* - **3073C**
- Poo supinae-Chenopodietum boni-henrici* (Br.-Bl.  
1949) Kopecky in Hejny *et al.* 1979 - **3263I**
- Poo supinae-Chenopodietum boni-henrici* - **3073C**
- Poo-Cerastietum cerastioidis* (Soyr. 1954) Oberd. 1957  
- **3261**
- Poo-Cerastietum cerastioidis* - **3073C**
- Poo-Tussilaginetum farfarae* Tx. 1931 - **3263I**
- Poo-Tussilaginetum farfarae* - **3073C**
- Potentillo albae-Quercetum* - **3073C**
- Pteridio-Quercetum pubescens* - **3073C**
- Puccinellio convolutae-Arthrocnemetum macrostachyi*  
(Br.-Bl. 1928) Géhu ex Géhu *et al.* 1984 - **3188**
- Puccinellio convolutae-Arthrocnemetum macrostachyi*  
- **3073C**
- Puccinellio festuciformis-Aelropetum litoralis* (Corb.  
1968) Géhu et Costa 1984 in Géhu *et al.* 1984 - **3188**
- Puccinellio festuciformis-Aelropetum litoralis* - **3073C**
- Puccinellio festuciformis-Halimionetum portulacoidis*  
Géhu, Biondi, Géhu-Franck, Costa 1992 - **3188**
- Puccinellio festuciformis-Halimionetum portulacoidis*  
- **3073C**
- Puccinellio festuciformis-Juncetum maritimi* (Pign.  
1953) Géhu 1984 - **3188**
- Puccinellio festuciformis-Salicornietum fruticosae* -  
**3073C**
- Puccinellio festuciformis-Sarcocornietum fruticosae*  
(Br.-Bl. (1928) 1952) Géhu 1976 - **3188**
- Puccinellio festuciformis-Scirpetum compacti* (Pign.  
(1953) 1966) Géhu et Scoppola 1984 - **3188**
- Puccinellio festuciformis-Scirpetum compacti* - **3073C**
- Querco-Carpinetum* - **3191**
- Rhododendretum ferruginei* Rubel 1911 - **3261**
- Roso arvensis-Prunetum spinosae* Biondi et  
Casavecchia 2002 - **2907T<sup>^</sup>**
- Roso arvensis-Prunetum spinosae* Biondi et  
Casavecchia [I] **2907T**
- Rubetum idaei* Gams 1927 - **3263I**
- Rumicetum scutati* Faber 1936 - **3263I**
- Rumicetum scutati* Kuhn 1937 - **2829T**
- Rumicetum scutati* - **3073C**
- Ruppietetum cirrhosae* Iversen 1941 - **3188**
- Ruppietetum cirrhosae* - **3073C**
- Salicetum albae* Issler 1926 - **2874T 3188**
- Salicetum cinereae* Zolyomi 1931 - **3144T 3188**
- Salicetum cinereae* - **3073C**
- Salicetum elaeagno-purpureae* Sillinger 1933 - **3263C**
- Salicetum herbaceae* Rubel 1912 - **3047 3048 3049**
- Salicetum herbaceae* Rubel 1911 em. 1933 - **3261**
- Salicetum herbaceae* Rubel 1911 em. Rubel 1933 - **2895**
- Salicetum herbaceae* - **3073C**
- Salici incanae-Hippophaëtum daphnoidis* - **3073C**
- Salici-Hippophaëtum rhamnoidis* - **3073C**
- Salicornietum venetae* Pign. 1966 - **3188**
- Salicornietum venetae* - **3073C**
- Salsoletum sodae* Pign. 1953 - **3186 3188**
- Salsolo kali-Cakiletum maritimae* Costa et Manz. 1981  
corr. Rivas-Martinez *et al.* 1992 - **3188**
- Salsolo-Cakiletum* - **3073C**
- Salvinio-Spirodeletum polyrhizae* Slavnic 1956 - **3235T**
- Salvio-Dactyletum* - **3073C**
- Sambucetum ebuli* - **3073C**
- Sambucetum nigrae* Oberd. 1973 - **3013 3263I**
- Saniculo-Fagetum* (Ubaldi et Speranza 1985) Ubaldi  
1994 - **3263C**
- Saniculo-Fagetum* - **3073C**
- Saponario-Salicetum purpureae* - **3073C**
- Sarcocornietum deflexae* (Br.-Bl. 1931) Lahondère,  
Géhu, Paradis 1992 - **3188**
- Sarcocornietum deflexae* - **3073C**
- Schoeneto-Chrysopogonetum grylli* Pign. 1953 - **3188**
- Schoeneto-Chrysopogonetum grylli* - **3073C**
- Scirpetum lacustris* Chouard 1924 - **3144T 3188**
- Scirpetum lacustris* - **3073C**
- Sedo-Asplenietum cuneifolii* Pignatti Wilkus et Pignatti  
1977 - **2829T**
- Seslerio argenteae-Fagetum* - **3073C**
- Sieversio-Nardetum* - **3073C**
- Sileno canescens-Vulpietum membranaceae* Pignatti  
1953 corr. - **2953T**
- Sileno coloratae-Vulpietum membranaceae* (Pign. 1953)  
Géhu et Scoppola 1984 in Géhu *et al.* 1984 - **3188**
- Sileno coloratae-Vulpietum membranaceae* Géhu et  
Scoppola in Géhu *et al.* 1984 [S] **2953T**
- Sileno coloratae-Vulpietum membranaceae* - **3073C**
- Sileno exscapae-Trifolietum alpini* Tomaselli et Rossi  
1994 - **2895 3047 3048 3049 3261 3263C**
- Sileno exscapae-Trifolietum alpini* Tomaselli et Rossi

- 1994 [I] **3049 3263I**  
*Sparganietum erecti* (Roll 1938) Philippi 1973 - **3188**  
*Sparganietum erecti* Roll 1938 - **3144T 3185**  
*Sparganietum erecti* - **3073C**  
*Spartio juncei-Cytisum sessilifolii* Biondi, Allegrezza, Guitian 1988 - **2907T**  
*Sphagnetum magellanici* - **3073C**  
*Sphagno nemorei-Caricetum nigrae* - **3073C**  
*Spirodeletum polyrhizae* Koch 1954 ex Tuxen et Schwabe-Braun in Tuxen 1974 - **3188**  
*Spirodeletum polyrhizae* W. Koch 1954 ex R. Tx. et Schwabe-Braun in R. Tx. 1974 [I] **3190T**  
*Spirodeletum polyrhizae* W. Koch 1954 ex R. Tx. et Schwabe-Braun in R. Tx. 1974 - **3187T**  
*Spirodeto-Salvinietum natantis* Slavnic 1956 - **3188**  
*Sporoboletum arenarii* Arènes 1924 - **2953C**  
*Stipetum calamagrostis* Br.-Bl. 1918 - **3263I**  
*Stipetum calamagrostis* Br.-Bl. ex Gams 1927 - **2829T**  
*Stipetum calamagrostis* - **3073C**  
*Suaedo maritimae-Bassietum hirsutae* Br.-Bl. 1928 - **3186**  
*Suaedo maritimae-Salicornietum patulae* (Brullo et Furnari 1976) Géhu et Géhu-Franck 1984 - **3185 3188**  
*Suaedo maritimae-Salicornietum patulae* - **3073C**  
*Suaedo splendentis-Bassietum hirsutae* Br.-Bl. 1928 - **3188**  
*Teucrio scordii-Juncetum subnodulosi* Pellizzari et Piccoli nom. provv. - **3187T^**  
*Teucrio scordii-Juncetum subnodulosi* nom. provv. [S] **3188**  
*Tortulo ruraliformis-Scabiosetum argenteae* Pign. 1953 - **3188**  
*Tortulo ruralis-Scabiosetum gramuntietum* Géhu et Biondi 1996 [S] **2953T**  
*Tortulo-Scabiosetum albae* Pignatti 1952 - **2953T**  
*Tortulo-Scabiosetum* - **3073C**  
*Trapetum natantis* Karpati 1963 - **3188**  
*Trapetum natantis* - **3073C**  
*Trifolio thalii-Festucetum puccinellii* [I] **3068**  
*Trifolio thalii-Festucetum puccinellii* Tomaselli et al. 2000 [I] **3097S 3260S**  
*Trifolio thalii-Festucetum puccinellii* Tomaselli et al. 2000 - **3261**  
*Trifolio thalii-Festucetum puccinellii* Tomaselli, Rossi, Dowgiallo 2000 [I] **3262T 3263I**  
*Trifolio thalii-Festucetum puccinellii* Tomaselli, Rossi, Dowgiallo 2000 - **2895 3262T\***  
*Trifolio thalii-Festucetum puccinellii* - **3073C**  
*Trochiscantho-Fagetum* - **3073C**  
*Typhetum angustifoliae* Pign. 1953 - **3185 3187T 3188**  
*Typhetum angustifoliae* Pignatti 1953 - **3144T**  
*Typhetum angustifoliae* - **3073C**  
*Typhetum latifoliae* Lang 1973 - **3185 3188**  
*Typhetum latifoliae* - **3073C**  
*Urtico-Populetum albae* - **3073C**  
*Utricularietum neglectae* Muller et Gors 1960 - **3188**  
*Utricularietum neglectae* T. Muller et Gors 1960 - **3144T**  
*Utricularietum neglectae* T. Müller et Gors 1960 - **3187T**  
*Utricularietum neglectae* - **3073C**  
*Vaccinio myrtilli-Callunetum* Beker 1942 - **3263I**  
*Vaccinio-Callunetum* - **3073C**  
*Vinco-Quercetum cerris* - **3073C**  
*Violo cavillieri-Nardetum* Credaro et Pirola 1975 corr. Tomaselli 1994 - **2895 3047 3048 3049 3097S 3260S 3261**  
*Violo cavillieri-Nardetum* - **3068 3073C**  
*Vulpia fasciculata Silene sericea* ass. a Pignatti 1953 [S] **2953T**  
*Xanthioto-Ammophiletum* Pignatti 1952 [S] **2953T**  
*Xanthio italicci-Ammophiletum arundinaceae* Pignatti 1952 em. - **2953T**  
*Xanthio-Cakiletum* (Bég. 1941) Pignatti 1953 [S] **2953C**  
*Xerobrometum appenninum* - **3073C**  
*Zannichellietum pedicellatae* Nordhagen 1954 - **3188**
- SOTTOASSOCIAZIONI**
- Agropyro-Artemisietum cretaceae artemisietosum cretaceae* Biondi et Pesaresi 2004 - **2920#**  
*Agropyro-Artemisietum cretaceae plantaginetosum maritimae* Allegrezza, Biondi, Brilli-Cattarini, Gubellini 1993 - **2920I**  
*Anthoxantho-Brachypodietum genuensis festucetosum paniculatae* - **3073C**  
*Azollo filiculoidis-Lemnetum minusculae spirodeletosum polyrhizae* Felzines et Loiseau 1991 - **3190T**  
*Buxo-Quercetum hylocomio-pinetosum* - **3073C**  
*Empetro-Vaccinietum gaultherioidis juncetosum trifidi* Ferrari et Piccoli 1997 - **3035 3047 3048 3049 3261**  
*Fraxino excelsioris-Aceretum obtusati querketosum cerridis* E. Biondi, S. Casavecchia, M. Pinzi, M. Allegrezza, M. Baldoni 2002 - **2910T^**  
*Hyperico richeri-Vaccinietum gaultherioidis brachypodietosum genuensis* - **3263I**  
*Knautio purpureae-Quercetum pubescens stachyetosum* - **3073C**  
*Limonio narbonensis-Artemisietum coerulecentis inuletosum crithmoidis* (Pign. 1966) Géhu et Scoppola 1984 - **3186T**  
*Medicagineto-Ammophiletum medicaginetosum*

- Pignatti 1959 [S] **2953T**  
*Medicagineto-Ammophiletum xanthietosum* Pignatti  
 1959 [S] **2953T**
- Ostryo-Aceretum opulifolii platantheretosum* - **3073C**  
*Peucedano cervariae-Quercetum pubescens*  
*peucedanetosum cervariae* Allegrezza, Baldoni,  
 Biondi, Taffetani, Zuccarello 2002 - **2833§**
- Peucedano-Quercetum pubescens ruscetosum*  
*aculeatis* Allegrezza, Baldoni, Biondi, Taffetani,  
 Zuccarello 2002 - **2833C^**
- Phyteumo scorzonerifoliae-Teucrietum scorodoniae*  
*phyteumatosum scorzonerifoliae* Vagge et Biondi  
 2004 - **3278T\***
- Roso arvensis-Prunetum spinosae rosetosum caninae*  
 E.Biondi et S.Casavecchia 2002 - **2907T^**
- Salsolo-Cakiletum aegyptiacae xanthietosum* Géhu et  
 Scoppola in Géhu *et al.* 1984 [S] **2953C**
- Sileno exscapae-Trifolietum alpini luzuletosum spicatae*  
 Tomaselli et Rossi 1994 - **3047 3048 3049 3263I**
- Spirodeletum polyrhizae lemnetosum minutae* Wolff,  
 Diekjobst, Schwarzer 1994 - **3190T**
- Spirodeletum polyrhizae typicum* Schwabe-Braun et Tx.  
 1981 - **3190T**
- Trifolio thalii-Festucetum puccinellii Plantago alpina*  
 subass. a - **3068**
- Trifolio thalii-Festucetum puccinellii alchemilletosum*  
*alpinae* Tomaselli, Rossi, Dowgiallo 2000 - **3262T\***  
**3263I**
- Trifolio thalii-Festucetum puccinellii plantaginetosum*  
*alpinae* Tomaselli *et al.* 2000 - **3097S 3260S**
- Trifolio thalii-Festucetum puccinellii plantaginetosum*  
*alpinae* Tomaselli, Rossi, Dowgiallo 2000 - **3262T\***  
**3263I**
- AGGRUPPAMENTI**
- Agropyron repens* aggr. a - **2874T 2876S**
- Agrostis rupestris Vaccinium gaultherioides* aggr. a -  
**3261**
- Arundo pliniana* aggr. a - **3188**
- Brachypodium genuense* aggr. a - **3047 3048 3049**
- Carex extensa Juncus gerardi* aggr. a Géhu *et al.* 1984  
 - **3188**
- Carex foetida* aggr. a - **3261I**
- Crepis leontodontoides* aggr. a - **3263I**
- Deschampsia caespitosa* aggr. a - **3263I**
- Eleocharis palustris* aggr. a - **3144I**
- Eleocharis uniglumis* agr. a W. Braun 1968 - **3188**
- Festuca riccerii* aggr. a - **3261 3263I**
- Genista radiata* aggr. a - **3261 3263I**
- Juncus filiformis Drepanocladus exannulatus* aggr. a -  
**3263I**
- Juncus subnodulosus* aggr. a - **3188**
- Lemna minor* aggr. a - **3185**
- Luzula alpino-pilosa Nardus stricta* aggr. a - **3047 3048**  
**3049**
- Myriophyllum spicatum* aggr. a - **3187T**
- Nardus stricta Luzula alpino-pilosa* aggr. a - **3261I**  
**3263I**
- Poa annua* aggr. a - **3263C**
- Polygonum amphibium* aggr. a - **3188**
- Potamogeton crispus* aggr. a - **3187**
- Potamogeton pusillus* aggr. a - **3185**
- Pteridium aquilinum* aggr. a - **3263I**
- Quercus robur Carpinus betulus* aggr. a Piccoli, Gerdol,  
 Ferrari 1983 - **3188**
- Quercus robur Quercus pubescens* aggr. a Piccoli,  
 Gerdol, Ferrari 1991 - **3188**
- Ranunculus trichophyllus* aggr. a - **3185 3188**
- Robinia pseudacacia* aggr. a - **2873R**
- Sedum dasypodium* aggr. a - **2829T**
- Sesleria insularis Brachypodium genuense* aggr. a -  
**3263C**
- Vaccinium myrtillus Brachypodium genuense* aggr. a -  
**3047 3048 3049**
- UNITÀ NON DEFINITE**
- Alnetalia glutinosae Salix alba* facies a - **3144T**
- Alyssum bertolonii* comunità a - **3046S 3127S**
- Bolboschoenetalia maritimii Bolboschoenus maritimus*  
 facies a - **3185**
- Bolboschoenetalia maritimii Phragmites australis* facies  
 a - **3185**
- Brachypodium rupestre* comunità a - **3046 3127S**
- Deschampsia caespitosa* comunità a - **2895**
- Drepanocladus exannulatus Juncus filiformis* comunità  
 a - **2895**
- Festuca riccerii* comunità a - **2895**
- Fumana procumbens* comunità a - **3046S 3127S**
- Luzula alpino-pilosa* comunità a - **2895**
- Sempervivum tectorum* comunità a - **3046S 3127S**
- Silene armeria* comunità a - **3046S 3127S**
- Silene gr. italicica* comunità a - **3046S 3127S**