

Quadro Sintassonomico

Il seguente prospetto fitosociologico fornisce le indicazioni nomenclaturali e la posizione reciproca dei *syntaxa* citati nel testo. Si tratta di un inquadramento della vegetazione in cui sono riportati tipologie presenti principalmente in Liguria, ma anche altre di cui si è fatto cenno. Esso è stato elaborato sulla base degli schemi pubblicati da Bardat *et al.* (2004), Braun-Blanquet *et al.* (1952), Rodwell *et al.* (2002).

VEGETAZIONE ALGALE MARINA DEI PIANI SOPRALITORALE E MESOLITORALE

- Entophysalidetea deustae** Giaccone 1993
 - Ralfsietalia verrucosae* Giaccone 1993
 - Ralfsion verrucosae* Giaccone 1993
 - Ceramio-Corallinetum elongatae* Pignatti 1962
 - Bangietalia atropurpureae* Giaccone 1993
 - Bangion atropurpureae* Giaccone 1993
 - Nemalio-Rissoelletum verruculosae* Boudouresque 1971
 - Entophysalidetalia deustae* Ercegovic 1932
 - Entophysalidion deustae* Ercegovic 1932

VEGETAZIONE ALGALE MARINA DEI PIANI INFRALITORALE E CIRCALITORALE

- Cystoseiretea crinitae** Giaccone 1965
 - Cystoseiretalia crinitae* Molinier 1958 emend. Giaccone 1994
 - Cystoseirion crinitae* Molinier 1958
 - Myrionemo-Giraudietum sphaclarioidis* Van der Ben 1971
 - Cystoseiretum strictae* Molinier 1958
 - Sargassion hornschrubii* Giaccone 1973
 - Ulvetalia* Molinier 1958
 - Ulvion laetevirentis* Berner 1931
- Lithophylletea** Giaccone 1965 emend. Giaccone 1994
 - Rhodymenietalia* Boudouresque 1971 emend. Giaccone 1994
 - Peyssonnelion squamariae* Augier & Boudouresque 1975 emend. Giaccone 1994
 - Flabellio-Peyssonnelietum squamariae* Molinier 1958
 - Lithophylletalia* Giaccone 1965
 - Lithophyllion strictaeformis* Giaccone 1965

VEGETAZIONE FANEROGAMICA MARINA

- Zosteretea noltii** Pignatti 1953 [= *Posidonietaea* Den Hartog 1976;
Zosteretalia noltii Bèguinot 1941 [*Posidonietalia* Den Hartog 1976]
Zosterion noltii Braun-Blanquet & Tüxen 1943 [= *Posidonium oceanicae* Br.-Bl., Roussine & Nègre 1952; *Cymodoceion nodosae* Den Hartog 1976]
 - Cymodoceetum nodosae* Giaccone e Pignatti 1967
 - Posidonietum oceanicae* Molinier 1958
- Caulerpetea** Giaccone & Di Martino 1997
 - Caulerpetalia* Giaccone & Di Martino 1997
 - Caulerpion* Giaccone & Di Martino 1997

VEGETAZIONE D'ACQUA DOLCE, MOBILE O RADICANTE

- Lemnetea** Tüxen ex O. Bolòs & Masclans 1955
 - Lemnetalia minoris* Tüxen ex O. Bolòs & Masclans 1955
 - Lemnion minoris* Tüxen ex O. Bolòs & Masclans 1955
 - Aggr. a *Lemna minor*
 - Hydrocharition morsus-ranae* Passarge 1978 [= *Ceratophyllion demersi* Den Hartog & Segal ex Passarge 1996]
 - Ceratophylletum demersi* Hild 1956
 - Aggr. a *Hydrocharis morsus-ranae*
- Charetea fragilis** Fukarek ex Krausch 1964
 - Charetalia hispidae* Sauer ex Krausch 1964
 - Charion fragilis* Krausch 1964
 - Charion vulgaris* (Krause ex Krause & Lang 1977) Krause 1981
- Potametea pectinati** Klika in Klika & Novák 1941 [*Potamogetonea p.*]
 - Potametalia pectinati* Koch 1926
 - Potamion pectinati* (Koch 1926) Libbert 1931 [= *Magnopotamion* (Vollmar 1947) Hartog & Segal 1964]
 - Myriophyllo verticillati-Potametum pectinati* Costa, Boira, Peris & Stübing 1986
 - Potamo pectinati-Myriophylletum spicati* Rivas Goday 1964 *fragm.*

- Potametum lucentis* Hueck 1931 *fragm*
Potametum pectinati Cartensen 1955 *fragm.*
Aggr a *Elodea canadensis*
Nymphaeion albae Oberdorfer 1957
Potamion polygonifolii Hartog & Segal 1964
Potamogetonum polygonifolii Segal 1965
Ranunculon aquatilis Passarge 1964 [= *Callitricho-Batrachion* Den Hartog & Segal 1964]
Ranunculon fluitantis Neuhäusl 1959
Veronico anagallis-aquaticae-Apietum nodiflori-submersi Buchwald 2002 [= *Beruletum erecti-submersi*]

VEGETAZIONE ANFIBIA, PIONIERA, EFFIMERA DI GRETI, RIVE, SORGENTI E TORBIERE

- Bidentetea tripartitae*** Tüxen, Lohmeyer & Preising ex von Rochow 1951
Bidentetalia tripartitae Br.-Bl. & Tüxen ex Klika & Hadač 1944
Bidention tripartitae Nordhagen 1940 em. Tüxen in Poli & J. Tüxen 1960
Bidentetum tripartitae Koch 1926
Polygono hydropiperis-Bidentetum tripartitae Lohmeyer ex Passarge 1955
Xanthio italici-Polygonetum persicariae O. Bolòs 1957
Chenopodion rubri (Tüxen ex Poli & J. Tüxen 1960) Kopecký 1969
Isoeto duriei-juncetea bufonii Braun-Blanq. & Tüxen ex V. West., Dijk & Paschier 1946 [= *Isoeto-Nanojuncetea* Braun-Blanq. & Tüxen ex V. West., Dijk & Paschier 1946]
Isoetetalia duriei (Br.-Bl. 1936) O. Bolòs, Vigo, Masalles & Ninot 1990
Isoetion duriei Br.-Bl. 1936
Isoetetum duriei Br.-Bl. 1935
Spiranthe aestivalis-Anagallidetum tenellae Aubert & Loisel 1971
Cyperetalia flavescens (Klika 1935) Müller-Stoll & Pietsch 1961 [*Nanocyperetalia* Klika 1935]
Nanocyperion flavescens (Koch 1926) Rivas Goday 1961
Cyperetum flavescens Koch ex Aichinger 1933
Ludvigio palustris-Cyperetum micheliani Rivas-Martínez, Costa, Castroviejo & E. Valdés 1980

VEGETAZIONE ANFIBIA DI LAGHI, SORGENTI, PALUDI E STAGNI

- Littorelletea uniflorae*** Braun-Blanq. & Tüxen ex V. Westh., Dijk & Passchier 1946 [= *Isoeto-Littorelletea* Br.-Bl. & Vlieger in Vlieger 1937]
Littorelletalia uniflorae W. Koch 1926
Elodo palustris-Sparganion Braun-Blanq. & Tüxen ex Oberd. 1957
Eleocharition acicularis Pietsch 1967
Montio fontanae-Cardaminetea amarae Br.-Bl. & Tüxen ex Br.-Bl. 1948
Cardamino amarae-Chrysosplenietalia alternifolii Hinterlang 1992
Caricion remotae Kästner 1941
Montio fontanae-Cardaminetalia amarae Pawłowski in Pawłowski, Sokolowski & Wallisch 1928
Cratoneurion commutati Koch 1928
Glycerio fluitantis-Nasturtietea officinalis Géhu & Géhu-Franck 1987
Nasturtio officinalis-Glycerietalia fluitantis Pignatti 1953
Glycerio fluitantis-Sparganion neglecti Braun-Blanq. & G. Sissingh in Boer 1942
Glycerietum fluitantis Wilzek 1935
Agrostio stoloniferae-Phalaridetum arundinaceae Peris in Estesio 1992
Aggr. ad *Agrostis stolonifera* f. *fluitans*
Apion nodiflori Segal in Westhoff & den Held 1969
Apietum nodiflori Maire 1924
Nasturtietum officinalis (Seib. 1962) Oberd. et al. 1967
Aggr. a *Veronica beccabunga*
Phragmito australis-Magnocaricetea elatae Klika in Klika & Novák 1941 [= *Phragmitetea* Tüxen & Preising 1942 (syntax. syn.)]
Phragmitetalia australis Koch 1926
Phragmition australis Koch 1926
Scirpo lacustris-Phragmitetum Koch 1926
Typhetum latifoliae Lang 1973
Scirpenion maritimi Rivas-Martínez in Rivas-Martínez, Costa, Castroviejo & E. Valdés 1980
Bolboschoenetum maritimi Egger 1933
Oenanthion aquaticae Hejny ex Neuhäusl 1959
Magnocaricetalia elatae Pignatti 1954
Magnocaricion elatae Koch 1926
Caricetum paniculatae Wangerin 1916
Caricetum vesicariae Chouard 1924

Carici paniculatae-Eriophoretum latifoliae O. Bolòs & Vives in O. Bolòs 1956

Cladietum marisci Zobrist 1935

Scirpetalia compacti Heijny in Holub, Heijny, Moravec & Neuhäusl 1967 corr. Rivas Mart., M.J.Costa, Castrov. & Valdés Berm. 1980

Scirpion compacto-littoralis Rivas Mart. in Rivas Mart., M.J.Costa, Castrov. & Valdés Berm. 1980

Aggr. a *Schoenoplectus maritimus* e/o *S. tabernaemontani*

Utricularietea intermedio-minoris Pietsch ex Krausch 1968

Utricularietalia intermedio-minoris Pietsch ex Krausch 1968 [= *Utricularietalia* Den Hartog & Segal 1964]

Utricularion Den Hartog & Segal 1964

Aggr. a *Utricularia australis*

Aggr. a *Utricularia minor*

Platyhypnidio-Fontinalietea antipyreticae Phil. 1956

Brachythecietalia plumosi Phil. 1956

Racomitrium acicularis v. Krus. 1945

Aggr. indeterminati.

Fontinalion antipyreticae W. Koch 1936

Fontinalidetum antipyreticae Phil. 1956

Oxycocco palustris-Sphagnetea magellanici Braun-Blanq. & Tüxen ex V.West., Dijk & Paschier 1946

Sphagnetalia magellanici (Pawl. 28) nom. mut. propos. ex Steiner 92

Sphagnion magellanici (Pawl. 28) nom. mut. propos. ex Steiner 92

Sphagnetum magellanici (Malcuit 29) nom. mut. propos. ex Steiner 92

Sphagnion medii Kästner et Floßner 1933

Scheuchzerio palustris-Caricetea fuscae Tüxen 1937

Scheuchzerietalia palustris Nordhagen 1936

Caricion lasiocarpae Vanden Berghen 1949

Caricetum rostratae (Osvald 1923) em. Dierssen 1982

Rhynchosporion albae Koch 1926

Caricetalia fuscae Koch 1926 em. Br.-Bl. 1949

Caricion fuscae Koch 1926 em. Klika 1934

Caricetum fuscae Br.-Bl. 1915

Carici echinatae-Trichophoretum caespitosi Rivas-Martínez, Costa & P. Soriano

Anagallido tenellae-Juncion bulbosi Br.-Bl. 1967

Aggr. ad *Anagallis tenella*

Caricetalia davallianae Br.-Bl. 1949

Caricion davallianae Klika 1934

Pinguiculo vulgaris-Caricetum davallianae Turmel 1955 fragm

VEGETAZIONE COSTIERA ALOFILA DI SPIAGGE E DUNE SABBIOSE O GHIAIOSE

Euphorbio paraliae-Ammophiletea australis J.M. e J. Géhu 1988 [= *Ammophiletea* Br.-Bl. & Tüxen ex Westhoff, Dijk & Passchier 1946]

Ammophiletalia australis Br.-Bl. (1931) 1943 em. J.M. et J.Géhu 1988

Ammophilion australis Br.-Bl. (1931) 1932 em. J.M. et J.Géhu 1988

Echinophoro spinosae-Elymetum farcti Géhu 1988

Echinophoro spinosae-Ammophiletum australis (Br.-Bl. 1921) Gehu, Rivas-Martínez & Tüxen 1972

Cakiletea maritima Tüxen & Preising ex Br.-Bl. & Tüxen 1952

Euphorbietalia peplis (comunità termofile mediterranee) Tx. 1950

Euphorbion peplis Tx. 1950

Salsolo kali-Cakiletum aegyptiacae Costa & Manz. 1981

Salsolo kali-Cakiletum aegyptiacae xanthetosum italici

VEGETAZIONE COSTIERA ALOFILA DEI SUBSTRATI ROCCIOSI E DEGLI INVASI SALATI

Crithmo maritimi-Limonietea pseudominuti Br.-Bl. 1947

Crithmo maritimi-Limonietalia pseudominuti Molinier 1934

Crithmo maritimi-Limonion pseudominuti Molinier 1934

Crithmo maritimi-Limonietum cordati. Molinier 1934

Saginetea maritimae V.Westh., C.Leeuwen & Adriani 1962

Saginetalia maritimae V.Westh., C.Leeuwen & Adriani 1962

Saginion maritimae V.Westh., C.Leeuwen & Adriani 1962

Sagino maritimae-Catapodietum marinae Tx. in Tx. & Westh. 1963

Juncetea maritimi Br.-Bl. in Br.-Bl., Roussine & Nègre 1952

Juncetalia maritimi Br.-Bl. ex Horvatic 1934

Juncion maritimi Br.-Bl. ex Horvatic 1934

Plantaginion crassifoliae Br.-Bl. in Br.-Bl., Roussine & Nègre 1952

VEGETAZIONE CASMOFTICA DI RUPI, GHIAIONI E PIETRAIE O EPIFITICA

- Adiantetea capilli-veneris*** Braun-Blanq. in Braun-Blanq., Roussine & Nègre 1952
Adiantetalia capilli-veneris Br.-Bl. ex Horvatic 1934
Adiantion capilli-veneris Br.-Bl. ex Horvatic 1934
Eucladio-Adiantetum capilli-veneris Br.-Bl. ex Horvatic 1934
- Asplenietea trichomanis*** (Br.-Bl. in Meier & Br.-Bl. 1934) Oberdorfer 1977 [= *Asplenietea rupestris* Br.-Bl. 1934]
Asplenietalia glandulosi Br.-Bl. in Meier & Br.-Bl. 1934
Asplenion glandulosi Br.-Bl. in Meier & Br.-Bl. 1934
Violo biflorae-Cystopteridetalia alpinae F. Casas 1970
Violo biflorae-Cystopteridion alpinae F. Casas 1970
Cheilanthetalia maranto-maderensis Sáenz de Rivas & Rivas Mart. 1979
Phagnalo saxatilis-Cheilanthion maderensis Loisel 1970 corr. Sáenz de Rivas & Rivas Mart. 1979
Potentilletalia caulescentis Br.-Bl. in Br.-Bl. & Jenny 1926
Saxifragion lingulatae (Rioux & Quézel 1949) Loisel 1951
Potentillion caulescentis Br.-Bl. in Br. Bl. & Jenny 1926
Androsacetalia vandellii Br.-Bl. in Meier & Br.-Bl. 1934 nom. corr.
Asplenion septentrionalis Oberd. 1938
Asplenio billotii-Umbilicion rupestris B.Foucault 1988
Saxifragion pedemontanae Barbero & Bono 1967
Asplenion serpentini Braun-Blanq. & Tüxen ex Eggler 1955
- Parietarietea judaicae*** Rivas-Martínez in Rivas Goday 1964
Parietarietalia judaicae Rivas Mart. ex Rivas Goday 1964
Parietario judaicae-Galion muralis Rivas Mart. ex Rivas Goday 1964
Centranthetum rubri Oberdorfer 1969
Parietarium judaicae K. Buchwald 1952
Parietario judaicae-Cheledonietum majoris O. Bolòs & Masalles 1983
Cymbalarion muralis-Asplenion rutaemurariae Segal 1969
Asplenietum rutaemurario-trichomanis Kuhn 1937
Cymbalarietum muralis Görs 1966
Brassicion oleraceae Rivas-Martínez, Fernández-González & Loidi 1999
Brassico robertianae-Centaureetum veneris Vagge 2000
Lavaterion maritimae Rivas-Martínez & Cantó
- Anogrammo leptophyllae-Polypodietea cambrici*** Rivas Mart. 1975
Anomodonto viticulosi-Polypodietalia cambrici O.Bolòs & Vives in O.Bolòs 1957
Polypodion serrati Braun-Blanq. in Braun-Blanq., Roussine & Nègre 1952
Selaginello denticulatae-Anogrammion leptophyllae Rivas-Martínez, Fernández-González & Loidi 1999
- Thlaspietea rotundifolii*** Br.-Bl. 1948
Thlaspietalia rotundifolii Br.-Bl. in Br.-Bl. & Jenny 1926
Arabidion alpinae Béguin 1972
Thlaspion rotundifolii Jenny-Lips 1930
Epilobietalia fleischeri Klika 1935
Epilobion fleischeri Br.-Bl. 1931
Epilobio dodonaei-Scrophularietum caninae W. Koch et Br.-Bl. in Br.-Bl. 1949
Aggr. a Epilobium fleischeri
Polystichetalia lonchitidis Rivas Mart., T.E. Díaz, F. Prieto, Loidi & Penas 1984 nom. Inval
Gymnocarpion robertiani F. Casas 1970
Andryaletalia ragusinae Rivas Goday ex Rivas Goday & Esteve 1972
Glancion flavi Br.-Bl. ex Tchou 1948
Glauccio flavi-Scrophularietum caninae
Stipetalia calamagrostis Oberdorfer & Seibert in Oberdorfer 1977 [= *Achnatheretalia calamagrostis* Oberd. 77]
Stipion calamagrostis Jenny in Br.-Bl., Roussine & Nègre 1952 [= *Achnatherion calamagrostis* Jenny in Br.-Bl., Roussine & Nègre 1952]
Calamagrostion pseudophragmitis Rivas-Martínez, T.E. Díaz, F. Prieto, Loidi & Penas 1984
Erucario nasturtiiifolii-Calamagrostietum pseudophragmitis Rivas-Martínez, T.E. Díaz, F. Prieto, Loidi & Penas 1984

VEGETAZIONE SINANTROPICA

- Stellarietea mediae*** Tüxen, Lohmeyer & Preising ex von Rochow 1951
Centaureetalia cyani Tüxen ex von Rochow 1951
Aperetalia spicae-venti J. Tüxen & Tüxen in Malato-Beliz, J. Tüxen & Tüxen 1960
Solano nigri-Polygonetalia convolvuli (Sissingh in Westhoff, Dijk & Passchier 1946) O. Bolòs 1962
Chenopodieta albi Tüxen & W.Lohmeyer ex von Rochow 1951

Veronica agrestis-Euphorbion peplus G.Sissingh ex H.Passarge 1964

Polygono arenastri-Poetea annuae Rivas-Martínez 1975

Polygono arenastri-Poetalia annuae Tüxen in Géhu, J.L.Rich. & Tüxen 1972

Sisymbrietea officinalis Gutte & Hilbig 1975

Brometalia rubenti-tectorum Rivas Mart. & Izco 1977 [= *Thero-Brometalia* (Rivas Goday & Rivas-Martínez ex Esteve 1973) O. Bolòs 1975]

Echio lycopsis-Galactition tomentosae O.Bolòs & Molin. 1969

Sisymbrietalia officinalis J. Tüxen in Lohmeyer & al. 1962 em. Rivas-Martínez, Bascónes, T.E. Díaz, Fernández-González & Loidi 1991

Hordeion murini Braun-Blanq. in Braun-Blanq., Gajewski, Wraber & Walas 1936

Chenopodietalia muralis Br.-Bl. in Br.-Bl., Gajewski, Wraber & Walas 1936 em. Rivas-Martínez 1977

Artemisietea vulgaris Lohmeyer, Preising & Tüxen ex von Rochow 1951

Artemisietalia vulgaris Lohmeyer in Tüxen 1947

Arction lappae Tüxen 1937

Rumicion pseudalpini Rübel ex Scharfetter 1938 corr. Loidi & Biurrun 1996

Agropyretalia intermedii-repentis Oberd., Th.Müll. & Görs in Th. Müll. & Görs 1969 [= *Agropyretalia repentis* Oberdorfer, Müller & Görs in Oberdorfer, Görs, Korneck, Lohmeyer, Müller, Philippi & Seibert 1967]

Convolvulo arvensis-Agrophyron repentis Görs 1966

Bromo-Oryzopsisium miliaceae O. Bolòs 1970

Inulo viscosae-Oryzopsisium miliaceae O. Bolòs 1957

Onopordetalia acanthii Braun-Blanq. & Tüxen ex Klika in Klika & Hadač 1944

Dauco carotae-Melilotion albi Görs 1966

Epilobietea angustifolii Tüxen & Preising ex von Rochow 1951

Atropetalia belladonae Vlieger 1937 [= *Epilobietalia angustifolii* (Vlieger 1937) Tüxen 1950]

Epilobion angustifolii Tüxen ex Egger 1952 [= *Carici piluliferae-Epilobion angustifolii* Tüxen ex von Rochow 1951]

VEGETAZIONE ANTROPOGENA DEGLI ORLI E DEI MEGAFORBIETI

Galio aparine-Urticetea dioicae Passarge ex Kopecký 1969

Galio aparine-Alliarietalia petiolatae Görs & Müller 1969 [= *Glechometalia bederaceae* Tüxen in Tüxen & Brun-Hool 1975]

Aegopodion podagrariae Tüxen 1967 [= *Petasition officinalis* Sill. 1933]

Geo urbani-Alliarion petiolatae W.Lohmeyer & Oberd. ex Görs & Th.Müll. 1969 [= *Galio aparine-Alliarion petiolatae* Oberdorfer & Lohmeyer in Oberdorfer, Görs, Korneck, Lohmeyer, Müller, Philippi & Seibert 1967]

Impatienti noli-tangere-Stachyon sylvaticae Görs ex Mucina in Mucina, Grabherr & Ellmauer 1993

Conio maculati-Sambucion ebuli (O. Bolòs & Vigo ex Rivas-Martínez, Bascónes, T.E. Díaz, Fernández-González & Loidi 1991)

Mulgedio alpini-Aconitetea variegati Hadač & Klika in Klika & Hadač 1944

Adenostyletalia Br.-Bl. 1930

Adenostylion alliariae Br.-Bl. 1926

Arundo dioici-Petasition albi Braun-Blanq. & Sutter 1977

Calamagrostietalia villosae Pawłowski in Pawłowski, Sokolowski & Wallisch 1928

Calamagrostion arundinaceae (Luquet 1926) Jenik 1961

Filipendulo ulmariae-Convolvuletea sepium Géhu & Géhu-Franck 1987

Convolvuletalia sepium Tüxen ex Mucina 1993

Convolvulion sepium Tüxen ex Oberdorfer 1957

Dorycnion recti Géhu & Biondi 1988

Filipenduletalia ulmariae B.Foucault & Géhu ex B.Foucault 1984

Filipendulion ulmariae Segal 1966 [= *Filipendulo ulmariae-Petasition* Braun-Blanq. 1949; *Filipendulo-Cirsion rivularis* B.Foucault 1984]

Trifolio medii-Geranietea sanguinei Müller 1962

Origanetalia vulgaris Müller 1962

Trifolion medii Müller 1962

Geranion sanguinei Tüxen in Müller 1962

VEGETAZIONE ERBACEA O ARBUSTIVA CRIOFILA DEI PIANI ALTITUDINALI SUPERIORI

Caricetea curvulae Br.-Bl. 1948 nom. conserv

Caricetalia curvulae Br.-Bl. in Br.-Bl. & Jenny 1926

Caricion curvulae Br.-Bl. in Br.-Bl. & Jenny 1926

Caricetum curvulae Rübel 1911

Festucion variae Br.-Bl. 1928

Festucetum halleri Br.-Bl. in Br.-Bl. et Jenny 1926

Festucetum dimorphae

Festuco-Potentilletum valderiae Guinochet 1938

Festuco-Seslerietea caeruleae Barbéro & Bonin 1969 [= *Seslerietea albicantis* Oberd. 78 corr. Oberd. 90]

- Seslerietalia caeruleae* Br.-Bl. in Br.-Bl. & Jenny 1926
Seslerion coeruleae Braun-Blanq. in Braun-Blanq. & H. Jenny 1926
Festuco violaceae-Triquetrum thalii (Rubel) Br. Bl. 1936
Avenion (*Helictotrichion*) *sempervirentis* Barbero 1968
Caricion ferrugineae G. Br.-Bl. et J. Br.-Bl. 31
Primulion intricatae Br.-Bl. ex Vigo 1972
Astragaletalia sempervirentis Barbero 1968
Avenion montanae Barbero 1968

Hieracio-Helictotrichetum sedenensis

- Loiseleurio procumbentis-Vaccinieta microphylli*** Egger ex Schubert 1960
Rhododendro hirsuti-Ericetalia carnea Grabherr et al. in Grabherr & Mucina 1993
Ericion carnea Rübel ex Grabherr, Greimler & Mucina in Grabherr & Mucina 1993
Ericetum carnea Aich. 1955
Vaccinio microphylli-Juniperetalia nanae Rivas-Martínez & Costa 1998
Rhododendro ferruginei-Vaccinion myrtilli (Schnyder 1930) Br.-Bl. ex G. & J. Br.-Bl. 1931
Vaccinio myrtilli-Rhododendretum ferruginei Br.-Bl. 1927
Juniperion nanae Br.-Bl. in Br.-Bl., Sissingh & Vlieger 1939
Hyperico richeri-Vaccinietum gaultherioidis Pirola et Corbetta

VEGETAZIONE ERBACEA TEROFITICA

- Helianthemetea guttati*** (Br.-Bl. in Br.-Bl., Roussine & Nègre 1952) Rivas Goday & Rivas-Martínez 1963 em. Rivas-Martínez 1978 [= *Thero-Brachypodietea* Br.-Bl. in Br.-Bl., Emberger & Molinier 1947; *Stipo-Brachypodietea distachyae* (Br.-Bl. in Br.-Bl., Emberger & Molinier 1947) Brullo 1985]
Helianthemetalia guttati Br.-Bl. in Br.-Bl., Molinier & Wagner 1940 [= *Tuberarietalia guttatae* Br.-Bl. in Br.-Bl., Molinier & Wagner 1940]
Helianthemion guttati Br.-Bl., in Br.-Bl., Molinier & Wagner 1940 [= *Tuberarion guttati* Br.-Bl., in Br.-Bl., Molinier & Wagner 1940]
Thero-Airion Tüxen & Oberdorfer 1958 em. Rivas-Martínez 1978
Trachynietalia distachyae Rivas-Martínez 1978 [= *Brachypodietalia distachyae* Riv.-Mart. 1977]
Trachynion distachyae Rivas-Martínez 1978 [= *Brachypodion distachyae*]
Asphodeletum fistulosi Re. Mol. & Tallon 1950
Trifolio scabri-Hypochoeretum achyrophori Lapraz 1982
 Aggr. a *Brachypodium distachyum*

VEGETAZIONE PERENNE XEROFITICA E MESOFITICA

- Sedo albi-Scleranthetea biennis*** Braun-Blanq. 1955
Alyss alyssoidis-Sedetalia Moravec 1967
Alyss alyssoidis-Sedion albi Oberdorfer & Müller in Müller 1961
Sedo albi-Veronicion dillenii Oberd. ex Korneck 1974
Sedo albi-Scleranthetalia biennis Braun-Blanq. 1955
Sedo albi-Scleranthion biennis Braun-Blanq. 1955
Festuco valesiacae-Brometea erecti Br.-Bl. & Tüxen ex Br.-Bl. 1949 [= *Festuco-Brometea* Br.-Bl. & Tüxen ex Br.-Bl. 1949]
Brometalia erecti Br.-Bl. 1936
Artemisio albae-Bromenalia erecti Biondi, Ballelli, Allegrezza & Zuccarello 1995
Xerobromion erecti (Br.-Bl. e Moor 1938) Moravec in Holub & al. 1967
Leucanthemo vulgaris-Bromenalia erecti Biondi, Ballelli, Allegrezza & Zuccarello 1995
Mesobromion erecti (Braun-Blanq. & Moor 1938) Oberd. 1957 *nom. cons. propos.* [= *Bromion erecti* Koch 1926]
Trifolio incarnati-Brometum erecti Oberdorfer & Hofmann 1967
 aggrupp. a *Brachypodium genuense*
Festuco amethystinae-Bromion erecti Barbero & Loisel 1972
Cirsio-Brachypodion pinnati Hada c et Klika in Klika. et Hada c 1944
Ononidetalia striatae Br.-Bl. 1950
Genistion lobelii Molinier 1934
Lavandulo angustifoliae-Genistion cinerea Barbero, Loisel & Quézel 1972
Inulo montanae-Aphyllanthetum monspeliensis Lapraz 1982
Euphorbio spinosae-Genistetum cinerea (Lacoste 1967) Gaultier 1989
Lygeo sparti-Stipetea tenacissimae Rivas-Martínez 1978 [= *Thero-Brachypodietea* Braun-Blanq. in Braun-Blanq., Roussine & Nègre 1952]
Lygeo sparti-Stipetalia tenacissimae Br.-Bl. & O. Bolòs 1958 [= *Thero-Brachypodietalia* Braun-Blanq. ex Molin. 1934]
Phlomidio lychnitidis-Brachypodion retusi G. Mateo 1983 [= *Thero-Brachypodion ramosi* Br.-Bl. 1925]
Hyparrhenietalia hirtae Rivas-Martínez 1978
Saturejo graecae-Hyparrhenion hirtae O. Bolòs 1962 [= *Hyparrhenion hirtae* Br.-Bl., P. Silva & Rozeira 1956]
Hyparrhenietum hirta-pubescentis A. & O. De Bolòs 1950

- Brachypodietalia phoenicoidis* Braun-Blanq. ex Molin. 1934
Brachypodion phoenicoidis Braun-Blanq. ex Molin. 1934
Poetea bulbosae Rivas Goday & Rivas-Martínez in Rivas-Martínez 1978
Poetalia bulbosae Rivas Goday & Rivas-Martínez in Rivas Goday & Ladero 1970
Violetea calaminariae Br.-Bl. & Tüxen ex Ernst 1965
Violetalia calaminariae Braun-Blanq. & Tüxen ex V. Westh., Dijk & Passchier 1946
Nardetea strictae Rivas Goday in Rivas Goday & Rivas-Martínez 1963 [= *Nardo-Callunetea* Preising 1949 p.p]
Nardetalia strictae Oberdorfer ex Preising 1949
Nardion strictae Br.-Bl. in Br.-Bl. & Jenny 1926
Daphno cneori-Nardetum strictae
Nigritello corneliana-Nardetum Barbero 1970
Violion caninae Schwickerath 1944
Nardo-Gentianetum pneumonanthis Preising 1950

VEGETAZIONE DEI PRATI E DELLE PRATERIE ANTROPIZZATE

- Molinio coeruleae-Arrhenatheretea elatioris** Tüxen 1937 [incl. *Molinio-Juncetea* Br.-Bl. 1950]
Arrhenatheretalia elatioris Tüxen 1931
Arrhenatherion elatioris Koch 1926
Triseti-Polygonion bistortae Br.-Bl. & Tüxen ex Marschall 1947
Cynosurion cristati Tüxen 1947
Brachypodio rupestris-Centaureion nemoralis Br.-Bl. 1967
Molinietalia caeruleae Koch 1926
Molinion caeruleae Koch 1926
Calthion palustris Tüxen 1937
Juncion acutiflori Br.-Bl. in Br.-Bl. & Tüxen 1952
Deschampsio mediae-Molinion arundinaceae B.Foucault ex Delpech 2001
Holoschoenetalia vulgaris Br.-Bl. ex Tchou 1948
Molinio-Holoschoenion vulgaris Br.-Bl. ex Tchou 1948 [= *Holoschoenion* Br.-Bl. 1931]
Deschampsion mediae Br.-Bl. in Br.-Bl., Roussine & Nègre 1952
Gaudinio fragilis-Hordeion bulbosi Galán, Deil, Haug & Vicente 1997
Paspalo-Heleobloetalia Br.-Bl. in Br.-Bl., Roussine & Nègre 1952
Paspalo distichi-Agrostion verticillati Br.-Bl. in Br.-Bl., Roussine & Nègre 1952
Paspalo distichi-Agrostidetum verticillatae Br.-Bl. 1936
Trifolio-Hordeetalia secalini H-ic 63
Agrostietea stoloniferae Th. Müll. & Görs 1969 [= *Plantaginetea majoris* Tüxen & Preising ex von Rochow 1951]
Agrostietalia stoloniferae Müller & Görs in Görs 1968
Agrostion stoloniferae Görs 1966
Plantaginietalia majoris Tüxen & Preising in Tüxen 1950
Poion supinae Rivas-Martínez & Géhu 1978
Mentho-Juncion inflexi De Foucault 1984 [= *Agropyro-Rumicion crispi* Nordhagen 1940]

VEGETAZIONE DI LANDE, MACCHIE E ALTRE FORMAZIONI ARBUSTIVE BASSE

- Calluno vulgaris -Ulicetea minoris** Br.-Bl. & Tüxen ex Klika & Hadač 1944 [= *Nardo-Callunetea* Preising 1949 p.p]
Ulicetalia minoris Quantin 1935
Cisto salvifolii-Ericion cinereae Géhu 1975
Calluno vulgaris-Ericetum cinereae (Allorge 1922) Lemée 193
Vaccinio myrtilli-Genistetalia pilosae R.Schub. 1960
Genisto pilosae-Vaccinion uliginosae Br.-Bl. 1926 [= *Genistion pilosae* Böcher 1943]
Vaccinio myrtilli-Callunetum vulgaris (Br.-Bl. 1926) Aubert, Barbero & Loisel 1971
Calluno vulgaris-Genistion pilosae P. Duvign. 1944 [*Genistion tinctorio-germanicae* B.Foucault 1990]
Calluno-Genistetum pilosae (Br.-Bl. 1926) Oberd. 1938
Erico-Genistetum pilosae Oberdorfer & Hofmann 1967
Calluno vulgaris-Genistetum germanicae (R. Ix. 1937) Oberd. 1957
Cisto ladaniferi-Lavanduletea stoechidis Br.-Bl. 1940
Lavanduletalia stoechadis Br.-Bl. in Br.-Bl., Molinier & Wagner 1940 em. Rivas-Martínez 1968
Cistion ladaniferi Br.-Bl. ex A. & O. Bolòs 1950
Rosmarinetea officinalis Rivas Martínez, T.E. Díaz, F. Prieto, Loidi & Penas, 1991
Rosmarinetalia officinalis Br.-Bl. ex Molinier 1934
Rosmarinion officinalis Br.-Bl. ex Molinier 1934
Fumano-Rosmarinetum officinalis Lapraz
Cisto eriocephali-Ericion multiflorae Biondi 1999
Ruto chalepensis-Thymetum vulgaris Vagge 2000
Helianthemum italicum-Aphyllanthion monspeliensis Díez-Garretas, Fernández-González & Asensi 1998

- Alyssion bertolonii* Pignatti E. & Pignatti S. 1977 (incl. *Euphorbion ligusticae* Nowak 1987)
Euphorbio spinosae-Genistetum desoleanae Nowak 1987 corr. Vagge 1997
Artemisio albae-Saturejion montanae Allegrezza, Biondi, Formica & Ballelli 1997
Helichrysetalia italici Biondi, Géhu 1994
Euphorbion pithyusae Biondi & Géhu in Géhu & Biondi 1994
Thymelaeo hirsutae-Helichrysetum italici Biondi & Géhu in Géhu & Biondi 1994

VEGETAZIONE DI MANTELLI E ALTRI ARBUSTETI

- Cytisetea scopario-striati*** Rivas-Martínez 1975
Cytisetalia scopario-striati Rivas-Martínez 1975
Sarothamnion scoparii Tüxen ex Oberdorfer 1957
Calluno-Sarothamnetum scoparii Malc. 1929 em. Oberd. 1957 [= *Pterido-Sarothamnetum scoparii* Suspl. 1942]
Calluno-Sarothamnetum scoparii ericetosum arboreae Vagge 2002
Crataego monogynae-Prunetea spinosae Tüxen 1962 [= *Rhamno-Prunetea* Rivas Goday & Borja ex Tüxen 1962]
Prunetalia spinosae Tüxen 1952
Berberidion vulgaris Br.-Bl. 1950
Pruno spinosae-Rubion ulmifolii O. Bolòs 1954
Rubo ulmifolii-Coriarietum myrtifoliae O. Bolòs 1954
Rubo ulmifolii-Coriarietum myrtifoliae ostryetosum carpinifoliae O. Bolòs 1970
Pruno-Cotinetum coggygriae
Cytision sessilifolii Biondi in Biondi, Allegrezza & Guitian 1988
Cytisio sessilifolii-Coriarietum myrtifoliae Biondi, Vagge, Baldoni & Taffetani 1997
Cytisio sessilifolii-Coriarietum myrtifoliae ericetosum arboreae Vagge 2002
Spartio juncei-Ericetum arboreae Vagge 2002
Humulo lupuli-Sambucion nigrae B.Foucault & Julve in Julve 1993
Sambucetalia racemosae Oberdorfer ex Passarge in Scamoni 1963
Sambuco racemosae-Salicion capreae Tüxen & Neumann ex Oberdorfer 1957
Betulo pendulae-Populetales tremulae Rivas-Martínez, Fernández-González, Loidi, Lousã & Penas 2001
Corylo-Populion tremulae (Br.-Bl. ex O. Bolòs 1973) Rivas-Martínez & Costa 1998

VEGETAZIONE FORESTALE E PREFORESTALE PALUSTRE O RIPARIA

- Salicetea purpureae*** Moor 1958 [= *Salici purpureae-Populetea nigrae* (Rivas-Martínez & Cantó ex Rivas-Martínez, Bascónes, T.E. Díaz, Fernández-González & Loidi) Rivas-Martínez, Fernández-González, Loidi, Lousã & Penas 2001]
Salicetalia purpureae Moor 1958
Salicion incanae Aichinger 1933 [= *Salicion eleagni* Moor 1958]
Salicetum eleagni Jenik 1955 [= ? *S. incano-purpureae* Sillinger 1933]
Saponario officinalis-Salicetum purpureae Tchou 1948
Salicetalia albae Th.Müll. & Görs 1958
Salicion albae Soó 1930
Salicetum albae Soó 1930 em. Moor 1958
Salicetum triandrae (Malcuit 1929) Noirfalise 1955
Rubo caesii-Populion nigrae H.Passarge 1985 [= *Populion nigrae* auct.]
Lathraeo clandestinae-Populetea nigrae O. Bolòs & P. Montserrat 1984
Populetales albae Braun-Blanq. ex Tchou 1948
Populion albae Braun-Blanq. ex Tchou 1948
Salici-Populetea nigrae (Tüxen 1931) Meyer-Drees 1936
Populetea albae Br.-Bl. 1931 ex Tchou 1947
Carici remotae-Fraxinetum oxycarpae Pedrotti 1970 corr. Pedrotti 1992)
Alnion incanae Pawl. in Pawl., Sokolowski & Wallisch 1928 [= *Alno-Padion* Knapp 1942]
Almenion glutinosae-incanae Oberd. 1953
Aro italici-Alnetum glutinosae Gafta & Pedrotti 1995 [= *Alno-Fraxinetum oxycarpae* (Br.-Bl. 1915) Tchou 1946]
Carici pendulae-Alnetum glutinosae O. Bolòs & Oberdorfer in Oberdorfer 1953
Ulmenion minoris Oberd. 1953
Alnetea glutinosae Br.-Bl. & Tüxen ex Westhoff, Dijk & Passchier 1946
Alnetalia glutinosae Tüxen 1937
Alnion glutinosae Malcuit 1929
Sambuco nigrae-Robinietum pseudoacacie Arrigoni 1997
Nerio oleandri-Tamaricetea africanae Br.-Bl. & O. Bolòs 1958
Tamaricetalia africanae Br.-Bl. & O. Bolòs 1958 em. Izco, Fernández-González & A. Molina 1984
Rubo ulmifolii-Nerion oleandri O. Bolòs 1985

VEGETAZIONE CLIMACICA FORESTALE E PREFORESTALE

- Quercro roboris-Fagetea sylvaticae*** Braun-Blanq. & Vlieger in Vlieger 1937 [incl. *Quercetea pubescenti-petraeae* Jakucs 1960]

- Fagetalia sylvaticae* Pawl. in Pawl., Sokolowski & Wallisch 1928
Fagion sylvaticae Luquet 1926
Geranio nodosi-Fagenion sylvaticae (Gentile 1974) Ubaldi & Speranza 1985
Trochiscantho-Fagetum Gentile 1974
Galio odorati-Fagenion (Tx. 1955) Th. Müller
Carici sylvatici-Fagetum sylvaticae Biondi 1989
[*Luzulo luzuloidis-Fagion sylvaticae* W.Lohmeyer & Tüxen in Tüxen 1954]
Luzulo luzuloidis-Fagenion sylvaticae (W.Lohmeyer & Tüxen in Tüxen 1954) Oberd. 1957
Luzulo pedemontanae-Fagetum sylvaticae Oberdorfer & Hofmann 1967
Luzulo luzuloidis-Fagetum sylvaticae (Du Rietz 1923) Markgr. 1932 em. Meusel 1937
Luzulo luzuloidis-Fagetum sylvaticae (Du Rietz 1923) Markgr. 1932 em. Meusel 1937 *deschampsietosum flexuosae*
Luzulo luzuloidis-Fagetum sylvaticae (Du Rietz 1923) Markgr. 1932 em. Meusel 1937 *oxalidetosum acetosellae*
Luzulo luzuloidis-Fagetum sylvaticae (Du Rietz 1923) Markgr. 1932 em. Meusel 1937 *galietosum odorati* Dierschke, 1989
Ilici aquifolii-Fagion sylvaticae Br.-Bl. 1967
Ilici aquifolii-Fagenion sylvaticae (Braun-Blanq. 1967) Rivas Mart. 1973
Cephalanthero rubrae-Fagion sylvaticae (Tüxen in Tüxen & Oberd. 1958) Boulet & Rameau in Bardat et al., 2000 nom. corr. [=? *Cephalanthero-Fagenion* Tüxen in Tüxen & Oberd. 1958]
Erythronio dentis-canis-Carpinion betuli (Horvat 1938) Marinček in Wallnofer, Mucina & Grass 1993
Pulmonario apenninae-Carpinion betuli Biondi, Casavecchia, Pinzi, Allegrezza & Baldoni 2002
Carpinion betuli Issler 1931
Galio sylvatici-Carpinetum betuli Oberdorfer 1957
Geranio nodosi-Carpinetum betuli Pedrotti, Ballelli, Biondi 1982
Galio sylvatici-Quercetum petraeae Förster 1968
Tilio platyphylli-Acerion pseudoplatani Klika 1955
Quercetalia roboris Tüxen 1931
Quercion roboris Malcuit 1929 [= *Quercion robori-petraeae* Br.-Bl. 1932]
Lathyro montani-Quercetum cerridis (Barbero & Bono, 1970) Ubaldi Puppi, Zanotti, Speranza & Corbetta ex Ubaldi 1995
Molinio caeruleae-Quercion roboris Scamoni & H.Passarge 1959
Quercetalia pubescenti-petraeae Klika 1933 corr. Moravec in Béguin & Theurillat 1984 [= *Quercetalia pubescentis* Klika 1933]
Quercion pubescenti-petraeae Braun-Blanq. 1932 [= *Quercion pubescentis* Br.-Bl. 1931]
Plagio-Ostryetum carpinifoliae Gruber 1968
Seslerio-Ostryetum carpinifoliae Ht. et H-ic 1950
Rubio-Quercetum pubescentis Poldini 1987
Campanulo-Quercetum pubescentis Ubaldi 1985
Physospermo-Quercetum petraeae Oberd. Et Hofm. 1967
Crataego laevigati-Quercion cerridis Arrig. 1997
Quercetea ilicis Br.-Bl. ex A. & O. Bolòs. 1950
Quercetalia ilicis Br.-Bl. ex Molinier 1934
Quercion ilicis Br.-Bl. ex Molinier 1934
Viburno tini-Quercetum ilicis (Br.-Bl. ex Molinier 1934) Rivas-Martínez 1975
Viburno tini-Quercetum ilicis pinetosum halepensis
Viburno tini-Quercetum ilicis suberetosum [= *Quercetum suberis* Auct.]
Cyclamino bederifolii-Quercetum ilicis Biondi, Casavecchia e Gigante 2003
Cyclamino repandi-Quercetum ilicis Riv.-Mart., Cantó, Fernández-González & Sánchez-Mata 1995
Pistacio lentisci-Rhamnetalia alaterni Rivas-Martínez 1975
Oleo-Ceratonion siliquae Br.-Bl. ex Guinochet & Drouineau 1944
Calicotomo spinosae-Myrtetum communis Guinochet in Guinochet & Drouineau 1944 em. O. Bolòs 1962
Rhamno alaterni-Euphorbietum dendroidis Géhu & Biondi 1997
Junipero oxycedri-Pinetum halepensis Vagge 2000
Coronillo valentinae-Ampelodesmetum mauritanicae Biondi 1986
Coronillo valentinae-Ampelodesmetum mauritanicae myrtetosum communis Vagge 2000
Pistacio lentisci-Rhamnetum alaterni O. Bolos 1970
Ericion arboreae (Rivas-Martínez ex Rivas-Martínez, Costa & Izco 1986) Rivas-Martínez 1987
Erico arboreae-Arbutetum unedonis Molinier 1937
Erico arboreae-Arbutetum unedonis Molinier 1937 *pinetosum pinastri*
Erico arboreae-Arbutetum unedonis Molinier 1937 *suberetosum*
Ericetum scopario-arboreae Mateo 1983
Erico arboreae-Buxetum sempervirentis Aguiar, Esteves & Penas 1999

Phillyreo angustifoliae-Arbutetum unedonis Rivas Goday & Galiano in Rivas Goday, Borja, Esteve, Galiano, Rigual & Rivas-Martínez 1960

Erico carnea-Pinetea sylvestris Horvat 1959

Erico carnea-Pinetalia sylvestris Horvat 1959

Erico carnea-Pinion sylvestris Braun-Blanq. in Braun-Blanq., G.Sissingh & Vlieger 1939

Vaccinio myrtilli-Piceetea abietis Br.-Bl. in Br.-Bl., Sissingh & Vlieger 1939

Piceetalia abietis Pawlowski in Pawlowski, Sokolowski & Wallisch 1928 [= *Vaccinio-Piceetalia*]

Vaccinio myrtilli-Piceion abietis Br.-Bl. em. Koch 1954

Calamagrostio villosae-Pinetum uncinatae Gentile 1995

Rhododendro-Pinetum cembrae (Pall. et Hfft. 33) Bart. 66

Pinetalia sylvestris Oberd. 1957

Deschampsio flexuosae-Pinion sylvestris Braun-Blanq. 1961