

Basionym: *Junipero-Cytisetum purgantis* subass. *juniperetosum nanae* Rivas-Martínez 1970 [Anales Inst. Bot. Cavanilles 27: 152].

Syn.: *Junipero-Sarothamnetum purgantis* subass. *typicum* variant of *Juniperus communis* subsp. *alpina* Rivas-Martínez 1963 [*op. cit.*: 172-177] *nom. inval.* (Art. 3d).

1d. *Senecioni-Cytisetum oromediterranei* subass. *adenocarpetosum hispanici* (Rivas-Martínez & al. 1987) *comb. nova*

Nomenclatural type: Rivas-Martínez & al., *op. cit.*: 118, tab. 4: rel. 6. 1987 (holotype).

Basionym: *Junipero-Cytisetum oromediterranei* subass. *adenocarpetosum hispanici* Rivas-Martínez & al. 1987 [Lazaroa 7: 106, 118].

1e. *Senecioni-Cytisetum oromediterranei* subass. *arctostaphyletosum crassifoliae* (Rivas-Martínez & al. 1987) *comb. nova*

Nomenclatural type: Rivas-Martínez & al., *op. cit.*: 119, tab. 5: rel. 8. 1987 (holotype).

Basionym: *Junipero-Cytisetum oromediterranei* subass. *arctostaphyletosum crassifoliae* Rivas-Martínez & al. 1987 [Lazaroa 7: 106, 119].

1f. *Senecioni-Cytisetum oromediterranei* subass. *ericetosum aragonensis* (Rivas-Martínez & al. 1987) *comb. nova*

Nomenclatural type: Rivas-Martínez & al., *op. cit.*: 120, tab. 6: rel. 2. 1987 (holotype).

Basionym: *Junipero-Cytisetum oromediterranei* subass. *ericetosum aragonensis* Rivas-Martínez & al. 1987 [Lazaroa 7: 106, 120].

1g. *Senecioni-Cytisetum oromediterranei* subass. *populetosum tremulae* (Rivas-Martínez & al. 1987) *comb. nova*

Nomenclatural type: Rivas-Martínez & al., *op. cit.*: 116-117, tab. 3: rel. 14. 1987 (holotype).

Basionym: *Junipero-Cytisetum oromediterranei* subass. *populetosum tremulae* Rivas-Martínez & al. 1987 [Lazaroa 7: 106-107, 116-117].

1h. *Senecioni-Cytisetum oromediterranei* subass. *genistetosum cinerascentis* (Rivas-Martínez & al. 1987) *comb. nova*

Nomenclatural type: Rivas-Martínez & al., *op. cit.*: 120, tab. 6: rel. 6. 1987 (holotype).

Basionym: *Junipero-Cytisetum oromediterranei* subass. *genistetosum cinerascentis* Rivas-Martínez & al. 1987 [Lazaroa 7: 107, 120].

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8. Validating the alliance *Agrostio-Stipion giganteae*

The alliance *Agrostio-Stipion giganteae* has remained invalid till now, because the various conditions for valid publication have not been simultaneously fulfilled across a relatively long number of works concerning the syntaxon and their subordinate associations.

This alliance was formerly proposed by Rivas Goday (Anales Inst. Bot. Cavanilles 15 [1957]: 640-641. 1958¹; sub '*Agrostido-Stipion giganteae*') as provisional and therefore invalidly (CPN, Art. 3b). Furthermore, its diagnosis does not contain a valid name of subordinate association. Provisionality will be removed later by Rivas Goday & Rivas-Martínez (Estudio y clasificación de los pastizales españoles, Publ. Minist. Agric. 127: 27, 253. Madrid, 1963), but no valid name of subordinate association within the alliance is furnished (Art. 8).

In 1964, Rivas Goday (Vegetación y flórula de la cuenca extremeña del Guadiana: 361-364. Badajoz) inserts in the alliance several communities without accurate denomination, that had been already included in the provisional description at 1958. Moreover, some of these relevés are doubly assigned through this book: to this alliance as communities (*op. cit.*: 361-364. 1964) and to the provisional alliance *Gymnogrammo-Scrophularion* (subordinated by the author to the class *Thlaspietea rotundifolii*) under the name 'as. *Scrophularia et Arisarum vulgare clusii* subas. con *Scrophularia schousboei*' (*op. cit.*: 117-119. 1964).

Similar considerations must be applied to the paper of Rivas-Martínez (Anales Inst. Bot. Cavanilles 32(2): 1522. 1975), that refers two associations in the alliance (the author citation of which is attributed to 'Rivas Goday (1957) 1964¹): '*Arrhenathero-Stipetum giganteae* Rivas-Martínez ined.' and '*Centaureo-Stipetum lagascae* (Rivas Goday 1957) Rivas-Martínez *nom. nov.*'. The first is a *nomen nudum*, and the second must be considered the same, since no such a name appears in the paper of Rivas Goday (*op. cit.*, 1958) and no unambiguous reference to some of the concerned relevés of Rivas Goday (*op. cit.*, 1958) is apported. Art. 6 of CPN cannot be applied in this case, because it is not a validation of an older invalid name. In fact, the paper of Rivas Goday is not directly referred in bibliography (Rivas-Martínez, *op. cit.*: 1554-1555. 1975). *Stipa lagascae* appears in several relevés of those inserted by Rivas Goday (*op. cit.*, 1958) among the text describing the alliance: 'Comunidad provis. *Stipa lagascae et Stipa gigantea*' with three 'subcommunities' (pages 641-645) and a community not named (pages 645-646, 2 relevés). It seems that requirements of Art. 2b & 7 of the CPN are not satisfied in the paper of Rivas-Martínez (*op. cit.*, 1975).

Latter authors have considered the alliance to be validated by 'Rivas Goday (1957) 1964'. Thus, this is the author citation adopted by Rivas-Martínez (Colloq. Phytosociol. 6: 58. 1978), Peinado & Martínez Parras (El paisaje vegetal de Castilla-La Mancha: 221. 1985), Rivas-Martínez, Fernández-González & Sánchez-Mata (Opusc. Bot. Pharm. Complutensis 2: 57. 1986), Rivas-Martínez & Cantó (Lazaroa 7: 254. 1987) and so on. In the same wrong way, the association *Centaureo-Stipetum lagascae* has been considered to be validated by 'Rivas-Martínez 1975' in several papers.

The first valid publication of an association belonging to this alliance will be that of *Melico magnolii-Stipetum giganteae* Rivas-Martínez ex Peinado & Martínez Parras 1985 [*op. cit.*: 89, 225]. However, simultaneous validation of the alliance cannot be accepted in this book, since the character and/or differential species are

¹ For effective publication dates of this journal see Izco, Anales Inst. Bot. Cavanilles 32(1): 287-326. 1975.

not explicitly indicated (Art. 8, 2nd paragraph), neither for the alliance —that the authors do not intend to validate— nor for the association —whose nomenclatural type is a quoted relevé published by Rivas Goday (*op. cit.*: 648. 1958) without indication of character and/or differential species—. Our posterior diagnosis of the alliance (Rivas-Martínez, Fernández-González & Sánchez-Mata, *op. cit.*: 57-59. 1986) would be sufficient at these points, but since two valid associations are included in it (*Arrhenathero-Stipetum giganteae* Rivas-Martínez in Rivas-Martínez, F. Fernández-González & Sánchez-Mata 1986 and *Melico-Stipetum giganteae* Rivas-Martínez ex Peinado & Martínez Parras 1985) and no nomenclatural type is designated, the name of the alliance remains invalid (Art. 5). Rivas-Martínez & Cantó (*op. cit.*: 254. 1987) do not refer association names under the alliance (Art. 2b, 8); in fact, this paper had been written earlier than the quoted one of Rivas-Martínez, Fernández-González & Sánchez-Mata, though it would be published later.

Fortunately, no another name seems to be involucrated in the history of these syntaxa, so the validation of *Agrostio-Stipion giganteae* and *Centaureo-Stipetum lagascae* that we next propose will not bring about undesirable nomenclatural changes, excepting those derivated from priority dates.

All. *Agrostio castellanæ-Stipion giganteae* Rivas Goday ex Rivas-Martínez & F. Fernández-González, *all. nova*

Nomenclatural type: *Arrhenathero baetici-Stipetum giganteae* Rivas-Martínez, F. Fernández-González & Sánchez-Mata 1986 [Opusc. Bot. Pharm. Complutensis 2: 58-59, tab. 2] (holotype).

Syn.: *Agrostio* [*Agrostido*]-*Stipion giganteae* Rivas Goday 1958 [*op. cit.*: 640-641. 1958] *nom. prov. inval.* (Art. 3b), Rivas Goday & Rivas-Martínez 1963 [*l.c.*] *nom. inval.* (Art. 2b, 8), Rivas-Martínez 1975 [*op. cit.*: 1522. 1975] *nom. inval.* (Art. 2b, 8), Rivas-Martínez, Fernández-González & Sánchez-Mata 1986 [*l.c.*] *nom. inval.* (Art. 5), Rivas-Martínez & Cantó 1987 [*l.c.*] *nom. inval.* (Art. 2b, 8).

Description: Tall dry (xerophytic) pastures dominated by *Stipa gigantea* ("berceales", "berciales") or *Stipa lagascae* ("lastonares"), that develop over deep, humic cambisols in meso- and supramediterranean bioclimatic belts of the Mediterranean-iberioatlantic superprovince.

Character species: *Arrhenatherum elatius* subsp. *baeticum*, *Armeria lacaitae*, *Stipa lagascae* subsp. *lagascae*, *Stipa gigantea*.

Associations included:

1. *Arrhenathero baetici-Stipetum giganteae* Rivas-Martínez, F. Fernández-González & Sánchez-Mata 1986
2. *Melico magnolii-Stipetum giganteae* Rivas-Martínez ex Peinado & Martínez Parras 1985 [*l.c.*]
3. *Centaureo ornatae-Stipetum lagascae* *ass. nova*

Nomenclatural type: Rivas Goday, Anales Inst. Bot. Cavanilles 15: 645-646, rel. b. 1958 (holotype). Transcription of the relevé type (original Rivas Goday's identifications marked in brackets if corrected).- Madrid: Galapagar, 10 m². *Stipa lagascae* 3.4, *Centaurea ornata* 1.1, *C. castellanæ* Boiss. & Reuter 1.1, *Dactylis glomerata* 1.1, *Agrostis castellanæ* 1.2, *Melica*

ciliata subsp. *magnolii* (Godron & Grenier) K. Richter 1.1, *Carex chaetophylla* Steudel 1.2, *Carlina hispanica* Lam. (*C. corymbosa*) 1.1, *Molineriella laevis* (*Periballia l.*) 1.2, *Bromus tectorum* 2.3, *Filago arvensis* +.2, *Tolpis umbellata* 1.1, *Petrorhagia nanteuilii* (*Tunica prolifera*) +.1, *Micropyrum tenellum* (*Nardurus lachenalii*) +.1, *Andryala arenaria* (DC.) Boiss. & Reuter (*A. rothia*) 1.1, *Plantago radicata* Hoffmanns. & Link (*P. recurvata*) 1.2, *Vulpia ciliata* +.1, *Silene portensis* +.2, *Tuberaria guttata* 2.3, *Trifolium cherleri* 1.2, *Herniaria cinerea* +.1, *Helianthemum aegyptiacum* +.1, *Avena sterilis* +.1, *Spergularia purpurea* (*S. longipes*) +.1, *Rumex bucephalophorus* 1.2, *Taeniatherum caput-medusae* (*Elymus c.-m.*) +.1, *Rhacomitrium canescens* (Timm.) Brid. +.2.

Syn.: *Centaureo-Stipetum lagascae* Rivas-Martínez 1975 [*l.c.*] nom. inval. (Art. 2b, 7); *Centaureo ornatae-Stipetum lagascae* Rivas-Martínez, F. Fernández-González & Sánchez-Mata 1986 [*op. cit.*: 59] nom. inval. (Art. 2b, 5 & 7).

Description: Mesomediterranean and lower supramediterranean pastures dominated by *Stipa lagascae* and developed over siliceous soils (humic cambisols) in the Guadarrámico sector and neighbouring areas.

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9. Hieracietum carpetani e Hieracion carpetani versus Saxifragetum willkommianae y Saxifragion willkommianae

En su obra "Datos sobre la Flora y Fitosociología de la provincia de Madrid" (Bol. Real Soc. Españ. Hist. Nat. 38: 9-20. 1941), González-Albo describe la asociación *Hieracietum carpetani*, que fundamenta en tres inventarios (*op. cit.*: 16, Cuadro 2) procedentes de Siete Picos (Sierra de Guadarrama). Según su autor, esta asociación "caracteriza las partes rupestres de la Sierra de Guadarrama, de naturaleza silíceas en su zona subalpina y superior, es decir, en parte de máxima altitud" (*op. cit.*: 17). Según se desprende de la tabla, la asociación se caracteriza florísticamente por la presencia de *Hieracium carpetanum* Willk. in Willk. & Lange, *Saxifraga willkommiana* (*S. pentadactylis* var. *willkommiana*), *Asplenium septentrionale*, *Cryptogramma crispa* (*Allosorus crispus*), *Senecio pyrenaicus* subsp. *carpetanus* (Willk.) Rivas-Martínez (*S. p.* var. *caespitosus*), *Veronica fruticans* subsp. *cantabrica* Laínz (*V. fruticulosa* var. *pilosa*) e *Hieracium amplexicaule* entre otras plantas (indicamos los nombres actualizados de los táxones y entre paréntesis las determinaciones con que aparecen citados en los trabajos originales). Además de la subasociación típica (invent. 1-2), describe una subasociación con *Murbeckiella boryi* (*Phryne boryi*) que, según el autor, "difiere en la mayor humedad, así como protección de algunos vientos" (*op. cit.*: 16-17, invent. 3).

Por otra parte, en su "Estudio de la vegetación y flora de las Sierras de Guadarrama y Gredos" (Anales Inst. Bot. Cavanilles 21(1): 42-48. 1963), Rivas-Martínez propone la nueva asociación *Saxifragetum willkommianae*, basada en una tabla de 17 inventarios de la Sierra de Guadarrama y de la cual considera sinónimos