

Nowak A., Świerszcz S., Nowak S., Nobis A., Klichowska E., Nobis M. 2024. *Conspectus of the vegetation types of Tajikistan and adjacent areas with special focus on phytosociological classes*. Acta Societatis Botanicorum Poloniae 93.

Appendix 2. Conspectus of the syntaxa of the Middle Asia and adjacent areas dominated by vascular plants

Holarctic coniferous forests on oligotrophic and leached soils in the boreal zone and at high altitudes of mountains in the nemoral zone of Eurasia

VAC	Cl. Vaccinio-Piceetea Br.-Bl. in Br.-Bl. et al. 1939
	O. & All. unknown
VAC-XX-c01	Community of <i>Picea schrenkiana</i> subsp. <i>tianshanica</i>
VAC-XX-c02	Community of <i>Abies sibirica</i> subsp. <i>semenovii</i>
	Monsoon-influenced group of communities
VAC-XX-c03	Community of <i>Pinus gerardiana</i>
	Upper montane pine forest in monsoon-influenced areas
VAC-XX-c04	Community of <i>Cedrus deodara</i>
	Upper montane pine forest in monsoon-influenced areas
VAC-XX-c05	Community of <i>Picea smithiana</i> and <i>Abies webbiana</i>
	Upper montane spruce and fir forest in monsoon-influenced areas

Zonal, mesophilous, broad-leaved forests

FAG	Cl. Carpino-Fagetea sylvaticae Jakucs ex Passarge 1968
FAG-A	O. <i>Aceretalia turkestanici</i> ord. nov. hoc loco
	Mesic broad-leaved forests of Middle Asia
FAG-AA	All. <i>Aceroturkestanici-Juglandion regiae</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017
	Mesophilous deciduous forests of Irano-Turanian region
FAG-AA-01	Ass. <i>Juglandetum regiae</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017
	Mesophilous walnut woods of montane belt in Irano-Turanian region
FAG-AA-02	Ass. <i>Aceretum turkestanici</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017
	Mesophilous turkestan maple woods of western Middle Asia and Kopet-dagh
FAG-AA-03	Ass. <i>Violo suavis-Populetum albae</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017
	Mesophilous deciduous poplar forests on we and fertile soils of central Pamir-Alai (mainly Darvaz Mts.)
FAG-AA-04	Ass. <i>Swido darvasicae-Platanetum orientalis</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017
	Mesophilous oriental plane forests of montane belt on fertile habitats in river valleys

Oak, mixed deciduous and conifer open forests of warm regions in the cool-temperate nemoral zone of montane belt of Hindukush (Pakistan)

PUB	Cl. Quercetea pubescentis Doing-Kraft ex Scamoni et Passarge 1959
	O. & All. Unknown
PUB-XX-c01	Community of <i>Quercus baloot</i>
PUB-XX-c02	Community of <i>Quercus dilatata</i>

Xeric shrublands of the Irano-Turanian region (*šhiblyak*)

PRU	Cl. Crataego-Prunetea Tx. 1962
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PRU-A	Scrub and mantle vegetation seral or marginal to broad-leaved forests in the nemoral zone of the Irano-Turanian region <i>O. Crataegetalia ponticae</i> A. Nowak, S. Świerszcz, S. Nowak, A. Nobis, E. Klichowska & M. Nobis 2024
PRU-AA	Scrub vegetation of xeric and nutrient poor habitats (Rozaria) All. <i>Rosion kokanicae</i> nom. prov Xeric scrub on nutrient poor soils on screes and slopes in Middle Asia (so called Rozaria)
PRU-AA-c01	Community of <i>Rosa kokanica</i>
PRU-AA-c02	Community of <i>Caragana alaica</i>
PRU-AA-c03	Community of <i>Prunus verrucosa</i>
PRU-AB	Scrub vegetation of subhumid and nutrient rich habitats All. <i>Ranunculo tenuilobi-Cotoneastrion hissarici</i> A. Nowak, M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, S. Świerszcz 2022 nom. corr.
PRU-AB-01	Ass. <i>Aveno ludoviciana-Rhoetum coriariae</i> A. Nowak, M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, S. Świerszcz 2022 nom. corr.
PRU-AB-02	Ass. <i>Calophacetum grandiflorae</i> A. Nowak, M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, S. Świerszcz 2022
PRU-AB-03	Ass. <i>Fraxinetum raibocarpae</i> S. Świerszcz, M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, A. Nowak 2022
PRU-AB-04	Ass. <i>Pruno sogdiana-Crataegetum turkestanicae</i> M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, A. Nowak 2022
PRU-AB-05	Ass. <i>Aflatunio ulmifoliae-Caraganetum turkestanicae</i> M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, A. Nowak 2022 Variant with <i>Ferula clematidifolia</i> Variant with <i>Malus sieversii</i>
PRU-AB-c01	Community of <i>Rosa ecae</i>
PRU-AB-c02	Community of <i>Cotoneaster nummularioides</i> (shrubland of the montane belt in river valleys of the Irano-Turanian mountains)
PRU-AB-c03	Community of <i>Exochorda korolkowii</i> (mesic shrublands of upper montane and subalpine belt of the western Pamir Alai)
PRU-AB-c04	Community of <i>Sorbus persica</i> (short shrubland of upper montane and subalpine belt of the Irano-Turanian mountains)
PRU-AB-c05	Community of <i>Amygdalus communis</i> and <i>A. kuramica</i> (scrublands of the montane and subalpine belts of Hindu Kush in Afghanistan)

Irano-Turanian open woodlands in warm, subtropical, semi-arid to sub-humid climate

PIV	Cl. Pistacietea verae A. Nowak, S. Świerszcz, A. Naqinezhad, S. Nowak, M. Nobis 2023
PIV-A	O. <i>Pistacietalia verae</i> A. Nowak, S. Świerszcz, A. Naqinezhad, S. Nowak, M. Nobis 2023 Thermophilous open woodlands of Pamir-Alai, Hindukush and Kopet-dagh in Middle Asia
PIV-AA	All. <i>Pistacion verae</i> A. Nowak, M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, S. Świerszcz 2022 Thermophilous open woodlands of southern Middle Asia
PIV-AA-01	Ass. <i>Pistacietum verae</i> A. Nowak, M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, S. Świerszcz 2022 Pistacia vera thermophilous open woodlands in south-western Tajikistan
PIV-AA-01a	Subass. <i>Pistacietum verae typicum</i> A. Nowak, M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, S. Świerszcz 2022
PIV-AA-01b	Subass. <i>Pistacietum verae cercidetosum griffithii</i> A. Nowak, M. Nobis, S. Nowak, M. Kotowski, E. Klichowska, A. Nobis, S. Świerszcz 2023
PIV-AA-02	Ass. <i>Pistacietum khinjuk</i> A. Nowak, S. Świerszcz, A. Naqinezhad, S. Nowak, M. Nobis 2023 Thermophilous pistachio open woods of Hindukush and Zagros
PIV-AA-c01	Community of <i>Zygophyllum darvasicum</i> Thermophilous scrub of southern Darvaz in Tajikistan
PIV-AA-c02	Community of <i>Punica granatum</i> Thermophilous scrub of the southern Pamir Alai
PIV-AA-c03	Community of <i>Pistacia atlantica</i> Thermophilous open woodlands of the southern and western Hindu Kush
PIV-AA-c04	Community of <i>Ziziphus jujuba</i> and <i>Acacia modesta</i> Thermophilous, open woodlands of southern Hindu Kush in Afghanistan and Peshawar in Pakistan

Thermophilous Zeravshan juniper stands in the lower montane belt of Middle Asia

- PIJ Cl. Junipero-Pinetea sylvestris Rivas-Mart. 1965
- PIJ-A O. *Juniperetalia seravschanicae* A. Nowak, M. Nobis, S. Nowak, M. Kotowski & S. Świerszcz 2024
Thermophilous Zeravshan juniper open woods in colline and montane belts of Turkestanian province
- PIJ-AA All. *Juniperion seravschanicae* A. Nowak, M. Nobis, S. Nowak, M. Kotowski, S. Świerszcz 2022
Thermophilous Zeravshan juniper open woods in colline and montane belts of western Pamir-Alai and Tian Shan
- PIJ-AA-01 Ass. *Juniperetum seravschanicae* A. Nowak, M. Nobis, S. Nowak, M. Kotowski, S. Świerszcz 2022
Thermophilous Zeravshan juniper stands in Zeravshan, Darvaz, Hazratishoh and Ak-Tau Mts.
Variant with *Hedysarum denticulatum* and *Oxytropis glabra*
Variant with *Primula lactiflora* and *Brachythecium collinum*

Cryophilous juniper stands in the upper montane belt of Middle and Central Asia

- JUP Cl. Juniperetea pseudosabinae B. Mirkin, N. Manibazar, V. Muchametsina, L. Alimbekova et L. Onishchenko 1986
- JUP-A O. *Juniperetalia pseudosabinae* B. Mirkin, N. Manibazar, V. Muchametsina, L. Alimbekova et L. Onishchenko 1986
- JUP-AA All. *Juniperion pseudosabinae* B. Mirkin, N. Manibazar, V. Muchametsina, L. Alimbekova et L. Onishchenko 1986
Cryophilous juniper open woods in the upper montane belt of Middle and Central Asia
- JUP-AA-01 Ass. *Carici turkestanicae-Juniperetum pseudosabinae* A. Nowak, M. Nobis, S. Nowak, M. Kotowski, S. Świerszcz 2022
Cryophilous juniper open woods in the montane belt of western Middle Asia
- JUP-AA-02 Ass. *Androsaco baltistanicae-Juniperetum pseudosabinae* Eberhardt 2004 nom. invers.
Juniper scrub of the subalpine belt of Karakorum and Kunlun
- JUP-AA-c01 Community of *Juniperus sabina*
Subalpine scrub of the western Tian Shan
- JUP-AA-c02 Community of *Juniperus sibirica*
Cryophilous shrub vegetation of the central Tajikistan
- JUP-AB All. *Juniperion semiglobosae* Eberhardt 2004
Cryophilous juniper scrublands and open woods in subalpine belt of Karakorum, Kunlun, Hindukush and the western Himalayas
- JUP-AB-01 Ass. *Ephedro regelianae-Loniceretum microphyllae* Eberhardt 2004
Short scrub in the river valley sides in the subalpine belt of the Karakorum
- JUP-AB-02 Ass. *Comaro salesovianae-Juniperetum semiglobosae* Eberhardt 2004
- JUP-AB-03 Ass. *Eritrichio fruticososae-Juniperetum semiglobosae* Eberhardt 2004
- JUP-AB-04 Ass. *Androsacae thomsonii-Juniperetum semiglobosae* Eberhardt 2004
- JUP-AB-c01 Community of *Scrophularia dentata* and *Juniperus semiglobosa*
All three above mentioned associations represents *Juniperus semiglobosa* stands in various microhabitats in the subalpine belt (3,600-4,000 m a.s.l.) of the Karakorum range

Krummholz vegetation in the subalpine belt of Central Asia and the Himalayas

- XXX-XA Cl. & O. unknown
- XXX-XA All. *Salicion karelinii* Eberhardt 2004
Krummholz vegetation in the subalpine belt of Hindukush, Karakorum and the Himalayas
- XXX-XA-01 Ass. *Carici nivalis-Salicetum karelinii* Eberhardt 2004
Subalpine Krummholz vegetation on damp, gravelly slopes of the Hindukush and Karakorum
- XXX-XA-02 Ass. *Hylotelephio ewersii-Salicetum karelinii* Eberhardt 2004
Subalpine Krummholz vegetation of the eastern Hindukush and Karakorum
- XXX-XA-03 Ass. *Vicatio wolffianae-Salicetum karelinii* Eberhardt 2004
Subalpine forb krummholz vegetation of the eastern Hindukush and eastern Karakorum

XXX-XA-c01		Community of <i>Juniperus squamata</i> Subalpine juniper krummholz vegetation of the eastern Hindukush, Karakorum, and the Himalayas)
XXX-XB	All. unknown	
XXX-XB-c01		Community of <i>Salix fedtschenkoi</i> Subalpine and alpine silicicolous chionophilous dwarf heaths of the Central Asia
Irano-Turanian subalpine forb steppes		
NEP	Cl. Eremogono griffithii-Nepetetea podostachyos	A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska & M. Nobis 2024
NEP-A	O. <i>Nepetetea podostachyos</i>	A. Nowak, S. Świercz, M. Nobis, G. Swacha & S. Nowak in Świercz et al. 2023 Subalpine forb steppe of the eastern Irano-Turanian origin in subalpine belt of the Pamir-Alai Mountains
NEP-AA	All. <i>Ligularia thomsonii</i> - <i>Geranium regelii</i>	A. Nowak, S. Świercz, S. Nowak, M. Nobis 2021 Forb rich mesophilous grasslands of the Pamir-Alai and Tian Shan Mountains
NEP-AA-01	Ass. <i>Morinetum coulterianae</i>	A. Nowak, S. Świercz, M. Nobis, G. Swacha & S. Nowak in Świercz et al. 2023 Intensively grazed alpine grassland of Middle Asia on slightly rupicolous habitats
NEP-AA-02	Ass. <i>Smelowskio calycinae</i> - <i>Dracocephalum scrobiculati</i>	A. Nowak, S. Świercz, M. Nobis, G. Swacha & S. Nowak in Świercz et al. 2023 Rupicolous alpine sward of the Middle Asia
NEP-AA-03	Ass. <i>Phlomidetum sarawshanicae</i>	A. Nowak, S. Świercz, M. Nobis, G. Swacha & S. Nowak in Świercz et al. 2023 nom. mut. propos. (according to art. 45 ICPN) Alpine rupicolous grassland of Zeravshan range in western Pamir-Alai
NEP-AA-03a	Subass. <i>Phlomidetum sarawshanicae typicum</i>	A. Nowak, S. Świercz, M. Nobis, G. Swacha & S. Nowak in Świercz et al. 2023
NEP-AA-03b	Subass. <i>Phlomidetum sarawshanicae scorzonetosum acanthocladae</i>	A. Nowak, S. Świercz, M. Nobis, G. Swacha & S. Nowak in Świercz et al. 2023 Intensively grazed alpine rupicolous grassland of Zeravshan range
NEP-AA-04	Ass. <i>Alopecuro himalaici</i> - <i>Veronicetum gorbunovii</i>	A. Nowak, S. Świercz, M. Nobis, G. Swacha & S. Nowak in Świercz et al. 2023 Moderately grazed subalpine and alpine grasslands of Hissar and Zeravshan Mts.
NEP-AA-c01	Community of <i>Cousinia outichaschensis</i> - <i>Lepechinella sarawshanica</i>	Alpine to subnival low forb steppe of western Pamir-Alai
NEP-AA-c02	Community of <i>Cousinia fedtschenkoana</i>	Subalpine forb steppes of central Tajikistan (Zeravshan, Hissar and Hazratishoh Mts.)
NEP-AA-c03	Community of <i>Cousinia splendida</i>	Subalpine, intensively grazed forb steppes of Zeravshan, Hissar and Hazratishoh Mts.
NEP-AA-c04	Community of <i>Cousinia stephanophora</i>	Upper montane to alpine, grazed forb steppes of Zeravshan, Hissar, Peter the First and Hazratishoh Mts. in central Tajikistan
NEP-AA-c05	Community of <i>Cousinia semilacera</i>	Tragacanth forb steppe of semi-arid habitats in the Pamir (Badakshan)
NEP-AA-c06	Community of <i>Senecio saposhnikovii</i>	Forb steppe of the northern Pamir-Alai (Kyrgyzstan)
NEP-AA-c07	Community of <i>Cousinia batalinii</i> and <i>Euphorbia pamirica</i>	Subalpine to alpine forb steppe in Hissar and Darvaz Mts.
NEP-AA-c08	Community of <i>Lophanthus elegans</i>	Subalpine to alpine forb steppe of the eastern Pamir-Alai
NEP-AA-c09	Community of <i>Oxytropis glabra</i>	Forb grasslands of the valley bottoms in the subalpine to alpine belts of the Pamir-Alai Mts.
NEP-AA-c10	Community of <i>Semenovia dasycarpa</i>	Herb-rich grasslands of the subalpine and alpine belt in northern Pamir-Alai and western Tian Shan

Mesophilous steppic pastures of the upper montane to subalpine belt in the Pamir-Alai Mountains

NEP-AB	All. <i>Artemision dracunculi</i> A. Nowak, S. Świerszcz, M. Nobis, G. Swacha, S. Nowak 2023 in Świerszcz et al. 2023
NEP-AB-01	Ass. <i>Erigeronto seravschanici-Eremuretum hissarici</i> A. Nowak, S. Świerszcz, M. Nobis, G. Swacha & S. Nowak in Świerszcz et al. 2023 Mesic steppic forbs of the subalpine belt of the Zeravshan and Hissar Mts. used as intensive pastures
NEP-AB-02	Ass. <i>Onobrychido arenariae-Stachyetum betoniciformae</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 nom. corr. Mesic steppic meadows of western Tian Shan and northern Pamir-Alai in Middle Asia
NEP-AB-c01	Community of <i>Dracocephalum formosum</i> Upper montane low forb steppe of western Pamir-Alai
NEP-AB-c02	Community of <i>Allium giganteum</i> <i>Allium giganteum</i> stands on humid and fertile habitats in Middle Asia
NEP-AB-c03	Community of <i>Adonis turkestanicus</i> Intensively grazed pastures of the subalpine belt in Middle Asia
NEP-AB-c04	Community of <i>Chorispora sibirica</i> Intensively grazed nitrophilous pastures of the subalpine belt in Middle Asia
NEP-AB-c05	Community of <i>Crocus korokowii</i> Intensively grazed, spring grasslands of the subalpine and upper montane belt of Middle Asia
NEP-AB-c06	Community of <i>Eremurus regelii</i> Intensively grazed subalpine vegetation in northern Pamir-Alai and western Tian Shan
NEP-AB-c07	Community of <i>Allium hymenorhizum</i> Fen vegetation on peaty substrates in the alpine belt of northern Pamir-Alai and Central Asia
NEP-AB-03	Riverside group Ass. <i>Heracleetum lehmannianii</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021 Riverside alpine fringe vegetation of Middle Asia
NEP-AB-c08	Community of <i>Ligularia heterophylla</i> Subalpine to alpine intensively grazed grassland of river valley's bottoms in Middle Asia

Mountain steppes of semi-arid to subhumid areas of Central Asia

CLE	Cl. Cleistogenetea squarrosae Mirkin et al. ex K. Korotkov, O. Morozova, E. Belonovskaja 1991
CLE-A	O. <i>Stipetalia krylovii</i> Kononov, Gogoleva & Mironova 1985 nom. inval. (Art. 2, ICPN) Montane to subalpine steppes of subhumid to semi-arid zones of Central Asia
CLE-AA	All. <i>Stipion krylovii</i> Kononov, Gogoleva & Mironova 1985 nom. inval. (Art. 2, ICPN) Montane to subalpine steppes of the subhumid zone in Central Asia
CLE-AA-01	Ass. <i>Astragalo lithophili-Stipetum zalesskii</i> A. Nowak, A. Nobis, S. Nowak, M. Nobis 2018 Mesic, species-rich, cryophilous steppe of the western Tian Shan Mts.
CLE-AA-02	Ass. <i>Littledaleo alaiacae-Stipetum trichoidis</i> A. Nowak, A. Nobis, S. Nowak, M. Nobis 2018 Mesic cryophilous steppe of the subhumid zone in the northern Pamir-Alai
CLE-AA-03	Ass. <i>Helictotricho fedtschenkoi-Stipetum kirghisori</i> A. Nowak, A. Nobis, S. Nowak, M. Nobis 2018 Mesic steppe of the subhumid zone in the western Tian Shan
CLE-AA-04	Ass. <i>Stipetum kazachstanicae</i> M. Nobis, E. Klichowska & A. Nowak et al. 2024 Mesic steppe of the colline to montane belts of the central and eastern Tian Shan
CLE-AA-c01	Community of <i>Stipa sereptana</i> Continental steppe grasslands of the lowlands and colline belt of the northern Middle & Central Asia and southern Siberia.
CLE-AA-c02	Community of <i>Stipa lessingiana</i> Continental steppe grasslands of the lowlands and colline belt of the north-western Irano-Turanian region.
CLE-AA-c03	Community of <i>Stipa capillata</i>

Lowlands and colline belts' steppe of the northern Middle Asia, Central Asia and southern Siberia

Semi-arid group

- CLE-AA-05 Ass. *Stipetum bungeanae* A. Nowak, A. Nobis, S. Nowak, M. Nobis 2018
 Steppe grasslands of the semi-arid zone in the montane belt of the western Tian Shan Mts.
- CLE-AA-c04 Community of *Astracantha ptercephala*-*Dracocephalum bipinnatum*
 Xerophytic steppe grasslands in the western Tian Shan
- CLE-AA-c05 Community of *Stipa krylovii*-*Stipa breviflora*
 Xerophytic steppes in lowland to colline belts of the Central and Eastern Asia

Dry, thermophilous steppes of montane and subalpine belt of Middle Asia

- AST Cl. *Artemisio persicae*-*Stipetea drobovii* A. Nowak, S. Świerszcz, S. Nowak, A. Nobis & M. Nobis in A. Nowak et al. 2024
- AST-A *O. Carici stenophylloidis*-*Stipetalia drobovii* A. Nowak, S. Świerszcz, S. Nowak, A. Nobis & M. Nobis 2024
 Thermophilous steppes of montane and subalpine belt of western Middle Asia
- AST-AA All. *Poo bulbosae*-*Artemision persicae* A. Nowak, S. Nowak, A. Nobis, M. Nobis 2016
 Thermophilous steppes on rupicolous habitats of montane and subalpine belt of western Pamir-Alai
- AST-AA-01 Ass. *Stipetum drobovii* A. Nowak, S. Nowak, A. Nobis, M. Nobis 2016
 Subalpine steppe on the gravely slopes of the western Pamir-Alai
- AST-AA-02 Ass. *Stipetum lipskyi* A. Nowak, S. Nowak, A. Nobis, M. Nobis 2016
 Thermophilous, species rich montane steppe of the western Pamir-Alai and Tian Shan Mts.
- AST-AA-03 Ass. *Stipetum jagnobicae* A. Nowak, S. Nowak, A. Nobis, M. Nobis 2016
 Upper montane to subalpine thermophilous steppe of the Zeravshan Mts.
- AST-AA-04 Ass. *Convolvuletum spiniferi* A. Nowak, A. Nobis, S. Nowak, M. Nobis 2018
 Semi-arid, thermophilous steppes of the colline and lower montane belts of northern Pamir-Alai and western Tian Shan
- AST-AA-05 Ass. *Stipo magnificae*-*Ostostegietum olgae* A. Nowak, A. Nobis, S. Nowak, M. Nobis 2018
 Semi-arid, thermophilous steppes of the colline and lower montane belts of western Tian Shan
- AST-AA-06 Ass. *Stipetum margelanicae* A. Nowak, S. Nowak, A. Nobis, M. Nobis 2016 nom. corr.
 Thermophilous montane steppe of the northern Pamir-Alai
- AST-AA-07 Ass. *Helianthemum songarici* A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021
 Thermophilous fine debris scree-like vegetation of montane to subalpine belts in western Pamir-Alai
- AST-AA-c01 Community of *Bromus tectorum*-*Stipa arabica*
 Thermophilous steppes of montane belts of Irano-Turanian region
- AST-AA-c02 Community of *Elytrigia trichophora*-*Linum corymbulosum*
 Thermophilous forb steppes of montane belt Irano-Turanian region
- AST-AA-c03 Community of *Artemisia baldshuanica*
 Thermophilous mugwort steppe of the colline and montane belts of south-western Pamir-Alai (Khatlon district)
- AST-AA-c04 Community of *Artemisia tenuisecta*
 Thermophilous mugwort steppe of the montane and subalpine belts of western Pamir-Alai
- AST-AA-c05 Community of *Stipa richteriana*
 Continental steppes of lowlands to montane belt of north-eastern Irano-Turanian region (mainly Kazakhstan, north-western China)
- AST-AB All. *Bassio prostratae*-*Artemision ferganensis* nom. prov.
 Lowland and colline desert steppes and semi-deserts of the eastern Irano-Turanian region
- AST-AB-c01 Community of *Artemisia namanganica*-*Artemisia mogoltavica*
 Thermophilous mugwort steppe of the colline and montane belts of northern Pamir-Alai and western Tian Shan Mts.

AST-AB-c02	Community of <i>Artemisia ferganensis</i> Thermophilous mugwort steppe of the colline and lower montane belts of western Pamir-Alai and western Tian Shan Mts.
AST-AB-c03	Community of <i>Otostegia fedtschenkoana</i> Thermophilous steppe of colline and lower montane belts of south-western Pamir-Alai Mts.
AST-AB-c04	Community of <i>Artemisia glanduligera</i> Thermophilous mugwort steppe of the colline and montane belts of western Pamir-Alai and western Tian Shan Mts.
AST-AB-c05	Community of <i>Artemisia prolixa</i> Thermophilous mugwort steppe of the colline and lower montane belts of western Pamir-Alai and western Tian Shan Mts.
AST-AB-c06	Community of <i>Artemisia turanica</i> Thermophilous mugwort steppe of lowlands and colline belt on semi-arid habitats in south-western Pamir-Alai Mts.
AST-AB-c07	Community of <i>Astragalus vvedenskyi</i> Thermophilous desert steppe of lowlands of south-western Pamir-Alai Mts.
AST-AB-c08	Community of <i>Stipa aktauensis</i> Chasmophytic semi-desert vegetation of the colline belt of Aktau Mts. in Uzbekistan

High altitude desert steppes and cold semi-deserts of Central Asia

AJA	Cl. Ajanio-Cleistogenetea songoricae (Mirkin B. in Kashapov R. et al. 1987) Mirkin B., Alimbekova L., Kashapov R., Onishchenko L. 1988
AJA-A	<i>O. Krascheninnikovio ceratoidis-Stipetalia orientalis</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2023 High altitude cryophilous steppes and desert steppes of Central Asia
AJA-AA	All. <i>Artemision rhodantho-skorniakovii</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2023 nom. corr. High altitude desert steppes and semi-deserts of Eastern Pamir
AJA-AA-01	Ass. <i>Cousinio pannosae-Artemisietum skorniakovii</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021 Desert steppe of the alpine belt in the Eastern Pamir
AJA-AA-02	Ass. <i>Artemisio glaucinae-Salsoletum paulseni</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021 Semi-desert vegetation of alpine belt of Eastern Pamir and Hindukush (Vakhan Corridor)
AJA-AA-03	Ass. <i>Acantholimetum pamirici</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2023 nom. corr. Semi-desert, tragacanthic steppe of the alpine belt of Eastern Pamir
AJA-AA-04	Ass. <i>Astragalo chomutowii-Stipetum subsesilliflorae</i> A. Nowak, A. Nobis, S. Nowak, M. Nobis 2018 Desert steppe, cryophylous vegetation of the alpine to subnival belts of Central Asia
AJA-AA-05	Ass. <i>Atriplici pamiricae-Lepidietum cordatae</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2023 Semi-desert, halophytic vegetation of alpine belt of the Eastern Pamir and Kashgaria
AJA-AA-06	Ass. <i>Astragalo pamirensis-Leymetum secalini</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2023 corr. (according to art. 43 ICPN) Semi-desert steppe of the alpine and subnival belt in the Eastern Pamir and adjacent areas on sandy and gravelly substrates
AJA-AA-07	Ass. <i>Leymetum lanati</i> (A. Nowak, S. Świerszcz, S. Nowak & M. Nobis 2021) A. Nowak, S. Świerszcz, S. Nowak & M. Nobis 2023 Semi-desert vegetation on coarse-grained substrates in high alpine and subnival belts of the Eastern Pamir
AJA-AA-08	Ass. <i>Brayo pamiricae-Stipetum glareosae</i> S. Świerszcz, M. Nobis, G. Swacha, Z. Kącki, I. Dembicz, K. Waindzych, S. Nowak, A. Nowak 2020 Desert steppe of alpine belt of the Eastern Pamir
AJA-AA-09	Ass. <i>Artemisio skorniakovii-Acantholimetum diapiensoides</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2023 nom. corr. Semi-desert - tragacanthic vegetation of high Pamir in Central Asia
AJA-AA-c01	Community of <i>Limonium suffruticosum-Brachanthemum kirghisorum</i> Semi-desert vegetation of the Issik-kul basin in the montane to subalpine belt on gravelly bedrock
AJA-AA-c02	Community of <i>Acantholimon velutinum</i> Desert steppe vegetation in alpine belt of the Pamir-Alai Mts.
AJA-AA-c03	Community of <i>Artemisia korshinskyi</i>

AJA-AA-c04	Alpine mugwort steppe of the Pamir-Alai Community of <i>Dracocephalum heterophyllum</i>
AJA-AA-c05	Semi-desert vegetation of alpine and subnival belts on sandy or gravelly substrates of Central Asia Community of <i>Limbarda salsoloides</i>
AJA-AA-c06	Halophytic semi-desert on sandy habitats of the Central Asian river valleys Community of <i>Salsola gemmascens</i>
AJA-AA-c07	Irano-Turanian semi-desert vegetation on sandy or gravelly substrates Community of <i>Artemisia korovinii</i>
AJA-AA-c08	Desert mugwort steppe of the subalpine to alpine belts of semi-arid habitats in eastern Pamir-Alai Community of <i>Stipa splendens</i>
	Intensively grazed grassland of the subalpine to alpine belts of semi-arid habitats in Central Asia

AJA-AB	All. <i>Piptathero gracilis-Artemision brevifoliae</i> Eberhardt 2004 Semi-desert vegetation of the Pamir, Hindukush and Karakorum in Central Asia
AJA-AB-01	Ass. <i>Artemisia salsoloides-Ephedretum regelianae</i> Eberhardt 2004
AJA-AB-02	Ass. <i>Stipo orientalis-Krascheninnikovietum pungentis</i> Eberhardt 2004
AJA-AB-03	Ass. <i>Krascheninnikovia ceratoides-Artemisietum brevifoliae</i> Eberhardt 2004
AJA-AB-04	Ass. <i>Androsaco thomsonii-Stipetum himalaicae</i> Eberhardt 2004
AJA-AB-05	Ass. <i>Stachyo tibeticae-Stipetum himalaicae</i> Eberhardt 2004
AJA-AB-06	Ass. <i>Oxytropido humifusae-Artemisietum brevifoliae</i> Eberhardt 2004
AJA-AB-07	Ass. <i>Artemisietum salsoloides</i> Eberhardt 2004
AJA-AB-08	Ass. <i>Polygono rupestris-Artemisietum brevifoliae</i> Eberhardt 2004
AJA-AB-09	Ass. <i>Leontopodio brachyactis-Oxytropidetum humifusae</i> Eberhardt 2004
AJA-AB-10	Ass. <i>Calamagrostio stoliczkae-Hedysaretum falconeri</i> Eberhardt 2004
AJA-AB-11	Ass. <i>Semenovio lasiocarpae-Hedysaretum falconeri</i> Eberhardt 2004
AJA-AB-12	Ass. <i>Drabo cachemiricae-Bistortetum affinis</i> Eberhardt 2004
AJA-AB-13	Ass. <i>Oxytropido humifusae-Dianthetum anatolici</i> Eberhardt 2004
AJA-AB-14	Ass. <i>Oxytropido microphyllae-Artemisietum santolinifoliae</i> Eberhardt 2004
AJA-AB-15	Ass. <i>Poo suruanae-Festucetum kashmirianae</i> Eberhardt 2004
AJA-AB-16	Ass. <i>Epilobio angustifolii-Bistortetum affinis</i> Eberhardt 2004

We do not have detailed data from our own survey regarding the habitat conditions of above mentioned vegetation types. They are described in Eberhardt (2004), to which we refer the reader. The ranges of many of the diagnostic species pass into the territory of the eastern Pamir, or extend into the Wakhan Corridor, so we decided to include them in the list of plant communities.

AJA-AB-c01	Community of <i>Salsola maracandica</i> Semi-desert vegetation of the alpine belt of Hindu Kush in Afghanistan
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Thermophilous secondary perennial grasslands on deep calcareous soils of colline and montane belts in mediterranean-like climates (including Irano-Turanian) with long dry summer period

TRA	Cl. <i>Stipo capensis-Trachynietea distachyae</i> S. Brullo in S. Brullo et al. 2001
TRA-A	O. <i>Ptilostemona stellati-Vulpietalia ciliatae</i> Mucina ined. Thermophilous secondary perennial pseudosteppes on deep soils of colline and montane belts in Mediterranean and Irano-Turanian regions.
TRA-AA	All. <i>Vulpio persicae-Caricion pachystylidis</i> S. Świercz, M. Nobis, G. Swacha, Z. Kącki, I. Dembicz, K. Waindzocho, S. Nowak, A. Nowak 2020 Thermophilous secondary perennial pseudosteppes on deep soils of colline and montane belts in Irano-Turanian region
TRA-AA-01	Ass. <i>Eremuretum bucharici</i> S. Świercz, M. Nobis, G. Swacha, Z. Kącki, I. Dembicz, K. Waindzocho, S. Nowak, A. Nowak 2020 Intensively grazed mesic pseudosteppe of colline belt in south-western Pamir-Alai

TRA-AA-02	Ass. <i>Hordeo bulbosi-Astragaletum retamocarpi</i> S. Świerszcz, M. Nobis, G. Swacha, Z. Kącki, I. Dembicz, K. Waindzych, S. Nowak, A. Nowak 2020 Moderately grazed mesic grassland of the colline and montane belts of south-western Pamir-Alai
TRA-AA-03	Ass. <i>Potentillo orientalis-Eremuretum fusi</i> S. Świerszcz, M. Nobis, G. Swacha, Z. Kącki, I. Dembicz, K. Waindzych, S. Nowak, A. Nowak 2020 Intensively grazed mesic pseudosteppe of montane and subalpine belts of western Pamir-Alai and western Tian-Shan
TRA-AA-04	Ass. <i>Achnathero caraganae-Delphinietum semibarbatum</i> S. Świerszcz, M. Nobis, G. Swacha, Z. Kącki, I. Dembicz, K. Waindzych, S. Nowak, A. Nowak 2020 Moderately grazed montane pseudosteppe in north-west Pamir-Alai and Fergana Valley surroundings
TRA-AA-05	Ass. <i>Eremuro tianschanici-Delphinietum biternati</i> S. Świerszcz, M. Nobis, G. Swacha, Z. Kącki, I. Dembicz, K. Waindzych, S. Nowak, A. Nowak 2020 Moderately grazed mesic pseudosteppe of the central and western Tian-Shan
TRA-AA-c01	Community of <i>Cousinia sclerophylla</i> Intensively grazed sclerophyllous vegetation in warm zone of the colline belt of the south-western Tajikistan
TRA-AA-c02	Community of <i>Phlomis bucharica</i> Ephemeral, intensively grazed grasslands on deep, loessic soils in southern Pamir-Alai
TRA-AA-c03	Community of <i>Meristotropis bucharica</i> Intensively grazed secondary grasslands in southern Pamir-Alai
TRA-AA-c04	Community of <i>Inula macrophylla</i> Dense forb vegetation on mesic habitats in montane belt of Middle Asia
TRA-AB	All. <i>Diantho humilis-Velezion rigidae</i> Korzhenevskii et Klyukin ex Didukh et Mucina 2014 Circum-Mediterranean and Irano-Turanian calciphilous annual and ephemeroïd grasslands
TRA-AB-01	Ass. <i>Cryptosporo falcatae-Brachypodietum distachyi</i> S. Świerszcz, M. Nobis, G. Swacha, Z. Kącki, I. Dembicz, K. Waindzych, S. Nowak, A. Nowak 2020 Ephemeral grasslands in colline and lower montane belt in south-western Pamir-Alai Mts.
TRA-AB-c01	Community of <i>Epilasia mirabilis</i> Ephemeral grasslands on deep, loessic soils in Ak-tau and Babatag Mts. in south-western Tajikistan
TRA-AB-c02	Community of <i>Eremurus ambigens</i> Thermophilous ephemeral grasslands of the colline belt in south-western Pamir-Alai

High altitude arid halophytic graminoid vegetation

PUC	Cl. Festuco-Puccinellietea Soó ex Vicherek 1973
PUC-A	O. <i>Artemisietalia pauciflorae</i> Golub et Karpov in Golub et al. 2005 Saline steppes and desert grasslands in continental regions of Asia
PUC-AA	All. <i>Taraxacion murgabici</i> S. Świerszcz, M. Nobis, A. Wróbel, E. Klichowska, S. Nowak et A. Nowak 2021 Halophytic, xerophytic grasslands on solonchak soils in the Eastern Pamir
PUC-AA-01	Ass. <i>Knorringietum sibiricae</i> S. Świerszcz, M. Nobis, A. Wróbel, E. Klichowska, S. Nowak et A. Nowak 2021 Halophytic, xerophytic vegetation on gravelly substrates along rivers in the Eastern Pamir
PUC-AA-02	Ass. <i>Puccinellietum pamiricae</i> S. Świerszcz, M. Nobis, A. Wróbel, E. Klichowska, S. Nowak et A. Nowak 2021 Halophytic desert vegetation on solonchak soils and muddy sediments of the Pamir
PUC-AA-c01	Community of <i>Hordetum turkestanicum</i> Halophytic grassy vegetation around alpine lakes in the Pamir
PUC-AA-c02	Community of <i>Halerpestes sarmentosa</i> Halophytic matts along water courses, alpine lakes and salt pans in Middle Asia
PUC-AA-c03	Community of <i>Paracolepodium leucolepis</i> Halophytic sparse grasslands on gravelly substrates in alpine and subnival belts of the Pamir and Tian Shan

Tragacanthic, wind-swept vegetation of the alpine and subnival belts of the Irano-Turanian region

YYY-Y	Cl. Onobrychidetea cornutae nom. prov.
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YYY-YY	All. <i>Onobrychidion echidnae</i> nom. prov.
YYY-YY-01	Ass. <i>Onobrychidetum echidnae</i> A. Nowak, S. Świerszcz, G. Swacha, S. Nowak, M. Nobis 2024 Cushion-tragacanthic alpine grasslands of Pamir-Alai
YYY-YY-02	Ass. <i>Acantholimetum diapensioidis</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 nom. corr. Low cushion-tragacanthic alpine to subnival sparse grasslands of the high Pamir
YYY-YY-c01	Community of <i>Acantholimon hilariae</i> Tragacanthic vegetation of semi-arid zone in alpine belt of the eastern Pamir
YYY-YY-c02	Community of <i>Acantholimon alatavicum</i> Tragacanthic vegetation of semi-arid zone in montane and subalpine belt of the western Tian Shan

Mesic grasslands of the alpine belt of the Middle and Central Asia

FEA	Cl. Festucetea alaico-krylovianae A. Nowak, S. Świerszcz, S. Nowak, A. Nobis & M. Nobis 2024
FEA-A	<i>O. Geranio saxatilis-Festucetalia alaiacae</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Mesic, continental grasslands of the alpine belt of the Middle and Central Asia
FEA-AA	All. <i>Poo alpinae-Bistortion ellipticae</i> S. Świerszcz, M. Nobis, G. Swacha, S. Nowak, A. Nowak 2023 Alpine swards and grasslands of the Middle and western Central Asia
FEA-AA-01	Ass. <i>Poo alpinae-Swertietum gracilliflorae</i> S. Świerszcz, M. Nobis, G. Swacha, S. Nowak, A. Nowak 2023 Alpine sward on moist habitats in the Hissar Mts.
FEA-AA-02	Ass. <i>Astragalo alpini-Linetum olgae</i> S. Świerszcz, M. Nobis, G. Swacha, S. Nowak, A. Nowak 2023 Subalpine mesic forb grassland of relatively dry habitats in western and central Pamir Alai Mts.
FEA-AA-03	Ass. <i>Ligulario alpigenae-Solenanthesetum karategini</i> S. Świerszcz, M. Nobis, G. Swacha, S. Nowak, A. Nowak 2023 Subalpine mesic to moist grassland in western and central Pamir Alai Mts.
FEA-AA-04	Ass. <i>Papavero crocei-Ranunculetum popovii</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Sparse alpine grasslands of Central Asia
FEA-AA-05	Ass. <i>Poo attenuatae-Callianthemum alatavicum</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Alpine snowbed vegetation of Tian Shan Mts.
FEA-AA-06	Ass. <i>Drabo alajicae-Omalothecetum supinae</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Alpine short grassland of the eastern Pamir-Alai Mts. (Peter the First range).
FEA-AA-07	Ass. <i>Bistorto ellipticae-Pedicularietum korolkowii</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Species rich, dense subalpine to alpine grasslands of western and central Tian Shan Mts.
FEA-AA-08	Ass. <i>Poo bucharicae-Oxytropidetum savellanicae</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Alpine, sparse grassland of the Pamirian badlands
FEA-AA-c01	Community of <i>Trollius komarovii-Erigeron heterochaeta</i> Alpine grassland on damp habitats in the Pamir-Alai and western Tian Shan Mts.
FEA-AA-c02	Community of <i>Phlomoides oreophila</i> Subalpine and alpine grasslands of central and western Tian Shan Mts.
FEA-AA-c03	Community of <i>Carum carvi-Hordetum turkestanicum</i> Alpine grassland on damp habitats in the Pamir-Alai Mts.
FEA-AA-c04	Community of <i>Oxytropis incanescens</i> Subnival to alpine swards of the Eastern Pamir
FEA-AA-c05	Community of <i>Oxytropis lehmannii</i> Subnival to alpine swards of the western Pamir-Alai
FEA-AA-c06	Community of <i>Oxytropis michelsonii</i> Subnival to alpine swards of the Zeravshan Mts.
FEA-AA-c07	Community of <i>Lloydia serotina</i>

Subnival to alpine swards of the snow-beds in Middle & Central Asia

FEA-AB	All. <i>Aconito rotundifolii</i> - <i>Potentillion pamiroalaicae</i> A. Nowak, G. Swacha, S. Świerszcz, S. Nowak, M. Nobis 2023 in Swacha et al. 2023 Mesic alpine and subalpine grasslands of Irano-Turanian region, mainly northern and eastern Middle Asia
FEA-AB-01	Ass. <i>Potentillo pamiroalaicae</i> - <i>Pedicularidetum allorramphae</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 Short alpine swards of the central Tian Shan range in Kyrgyzstan
FEA-AB-02	Ass. <i>Scutellario oligodontae</i> - <i>Hedysaretum narynense</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 Species rich alpine swards of warmer habitats in central Tian Shan Mts.
FEA-AB-03	Ass. <i>Aulacospermo tianschanici</i> - <i>Pulsatilletum campanulae</i> Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 Species-rich subalpine to alpine grassland of Tian Shan and northern Pamir Alai
FEA-AB-04	Ass. <i>Seselio tallasici</i> - <i>Caricetum alajicae</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 nom. corr. Mesic alpine and subalpine grasslands mainly on northern slopes of western and Central Tian Shan
FEA-AB-05	Ass. <i>Poo alpinae</i> - <i>Eritrichietum villosae</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 Species rich, moderately dense subalpine to alpine sward of western Tian Shan (mainly Kyrgyz and Talas Mts.
FEA-AB-06	Ass. <i>Kobresio capillifoliae</i> - <i>Hedysaretum kirghisori</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 Forb matt vegetation of alpine belt of central and western Tian Shan
FEA-AB-07	Ass. <i>Seselio valentinae</i> - <i>Oxytropidetum atbaschi</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 nom. corr. Species poor, intensively grazed alpine grassland of southern Tian Shan
FEA-AB-c01	Community of <i>Oxytropis globifera</i> and <i>Leontopodium ochroleucum</i> Short and moderately dense swards on gravelly habitats of alpine to subnival belts of western and central Tian Shan
FEA-AB-08	Group of shrubby subalpine chionophilous heaths of Middle Asia Ass. <i>Caraganetum jubatae</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 Chionophilous shrubland of wet habitats of northern Pamir-Alai and Tian Shan Mts.
FEA-AB-09	Ass. <i>Caraganetum aurantiacae</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 Chionophilous shrubland of wet habitats of western Tian Shan Mts. (mainly Suusamyr Valley)

Chionophilous summit graminoid and dwarf-scrub mountain tundra in the alpine and subnival belts

KOB	Cl. <i>Carici rupestris</i> - <i>Kobresietea bellardii</i> Ohba 1974
KOB-A	O. <i>Kobresietalia capilliformis</i> Tsepikova 1987 Chionophilous graminoid and dwarf-scrub tundra in the alpine and subnival belts
KOB-AA	All. <i>Stipo regelianae</i> - <i>Ptilagrostion malyshevii</i> A. Nowak, G. Swacha, S. Świerszcz, S. Nowak, M. Nobis 2023 in Swacha et al. 2023 Matt grasslands of alpine and subnival belts of the eastern Irano-Turanian region
KOB-AA-01	Ass. <i>Potentillo moorcroftii</i> - <i>Stipetum tremulae</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 Graminoid swards of the alpine and subnival belts of central and eastern Tian Shan
KOB-AA-02	Ass. <i>Ptilagrostio malyshevii</i> - <i>Trisetetum altaici</i> G. Swacha, S. Świerszcz, S. Nowak, M. Nobis, A. Nowak 2023 Graminoid swards of the alpine belt of central Tian Shan
KOB-AA-03	Ass. <i>Violo thianschanicae</i> - <i>Stipetum regelianae</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Graminoid short swards of the alpine and subnival belt on damp habitats of central Tian Shan and the Pamir

Irano-Turanian thermophilous, mesic tall-forb vegetation

PRA	Cl. <i>Prangetea ulopterae</i> Klein 1987
PRA-A	O. <i>Prangeto pabulariae</i> - <i>Feruletalia kuhistanicae</i> nom. prov. Thermophilous, mesic tall-forb vegetation of the eastern Irano-Turanian subregion
PRA-AA	All. <i>Rheion maximowiczii</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021

	Tall-forb vegetation on rupicolous slopes in the eastern Irano-Turanian region
PRA-AA-01	Ass. <i>Phlomoidetum kaufmannianae</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021
	Tall-forb vegetation of screes and aprones of the Zeravshan and Turkestan Mts.
PRA-AA-02	Ass. <i>Eremuretum stenophyllo-comosi</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021 nom. corr.
	Montane to subalpine mesic forb vegetation of intensively grazed pastures in Pamir Alai (mainly Hissar and Darvaz Mts.)
PRA-AA-03	Ass. <i>Lathyretum mulkaki</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021
	Forb vegetation on screes in subalpine and alpine belts of western Pamir-Alai
PRA-AA-04	Ass. <i>Feruletum subuli</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015
	Forb grassland on rocky coarse debris and blocks in western Pamir-Alai
PRA-AA-05	Ass. <i>Feruletum tenuisectae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015
	Rupicolous, forb vegetation of the western Tian Shan Mts.
	Tall-forb communities of the upper montane to alpine belts of the eastern Irano-Turanian region
PRA-AB	All. <i>Scabioso songaricae-Phlomoidion lehmannianae</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021
	Tall-forb communities of the upper montane to alpine belts of the central Tajikistan
PRA-AB-01	Ass. <i>Eremuretum robusti</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021
	Tall-forb vegetation of humid slopes of the Hissar, Darvaz, Hazratishoh and Peter the First Mts.
PRA-AB-02	Ass. <i>Phlomoido lehmannianae-Onobrychidetum grandis</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021
	Tall-forb vegetation of mesic slopes of the Pamir-Alai Mts. in Middle Asia
PRA-AB-03	Ass. <i>Eremuretum kaufmannii</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021
	Tall-forb vegetation of alpine belt of western Pamir-Alai (mainly Zeravshan and Hissar Mts.)
PRA-AB-04	Ass. <i>Anthriscetum glacialis</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021 nom. corr.
	Intensively grazed tall-forb vegetation of subalpine and alpine belts of western and central Pamir-Alai (mainly Hissar and Peter the First Mts.)
PRA-AB-05	Ass. <i>Feruletum kuhistanicae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016
	Mesic tall-forbs of the subalpine to alpine belts of the Pamir-Alai
PRA-AB-c01	Community of <i>Rumex paulsenianus</i>
	Subalpine intensively grazed forb grassland on wet or mesic slopes in western Middle Asia
PRA-AB-c02	Community of <i>Cousinia umbrosa</i>
	Forb vegetation on wet habitats in montane and subalpine belt of Middle Asia
Hot semi-deserts; Irano-Turanian semi-desertic hyperarid and continental habitats	
PEG	Cl. Pegano harmalae-Salsoletea vermiculatae Br.-Bl. et O. de Bolos 1958
PEG-XX	O. & All. Unknown
PEG-XX-c01	Community of <i>Pegano harmala</i>
	Irano-Turanian hot semideserts often as nitrophilous badland
PEG-XX-c02	Community of <i>Anabasis truncata</i>
	Continental semi-desert of lowlands, colline and montane belts of northern Pamir-Alai and Central Asia
Semi-desert shrublands of the Irano-Turanian region	
HAL	Cl. Haloxyletea ammodendri Asri 2003
HAL-A	O. <i>Haloxyletia ammodendri</i> Asri 2003
	Semi-desert shrublands of the Irano-Turanian region
HAL-AA	All. <i>Carici physodes-Haloxylon persici</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2024
	Hot semi-desert of south-western Pamir-Alai (Kachakum, Kurdzhalak, Ravonkul)
HAL-AA-01	Ass. <i>Eminio lehmannii-Haloxyletum persici</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2024

HAL-AA-02	Hot semi-desert of the eastern Karakum, Kachakum and Kurdzhalak Ass. <i>Leptaleo filifolii-Calligonetum grisei</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2024
HAL-AA-c01	Warm semi-desert of the colline belt of south-west Pamir-Alai Community of <i>Halocharis hispida-Microcephala lamellata</i> Ephemeral vegetation of semi-deserts of Kara-kum, Kyzyl-kum and other sandy habitats in lowlands and colline belt of the Irano-Turanian region
HAL-AA-c02	Community of <i>Halothamnus subaphyllus</i> Continental, subhalophytic semi-desert of Middle Asia and Iran
HAL-AA-c03	Community of <i>Calligonum elegans-Calligonum leucocladum</i> Continental, subhalophytic semi-desert of southern Middle Asia and Afghanistan
HAL-AA-c04	Community of <i>Salsola laricifolia</i> Subhalophytic semi-desert vegetation of the colline belt of Middle Asian mountains
HAL-AA-c05	Community of <i>Salsola orientalis</i> Subhalophytic semi-desert vegetation on loamy or gravelly soils in the colline to alpine belts of Middle Asian mountains
HAL-AA-c06	Community of <i>Zygophyllum oxianum</i> Subhalophytic semi-desert in river valley sediments of Middle Asia
HAL-AA-c07	Community of <i>Salsola montana-Halogeton glomeratus</i> Subhalophytic, montane to subalpine scrub vegetation of arid habitats of western Pamir-Alai
HAL-AA-c08	Community of <i>Salsola arbuscula</i> Subhalophytic, colline to montane scrub vegetation of arid habitats of Central Asia
HAL-AA-c09	Community of <i>Astragalus vilosissimus</i> and <i>Ferula assa-foetida</i> Semi-desert vegetation of Kyzyl-kum in lowlands and colline belt of Uzbekistan

Halophytic thermophilous scrub vegetation on dry solonetz and solonchak soils in the arid zones of southern Middle Asia

SAT	Cl. Haloxyleto-Salsoletea tomentosae Akhani 2004
SAT-XX	O. & All. Unknown
SAT-XX-01	Ass. <i>Carici physodis-Zygophylletum gontscharovii</i> S. Świerszcz, M. Nobis, A. Wróbel, E. Klichowska, S. Nowak et A. Nowak 2021 Halophytic shrublands on solonetz soils in the colline belt of western Pamir-Alai (Fergana Valley, Khatlon)
SAT-XX-02	Ass. <i>Zygophylletum ferganensis</i> S. Świerszcz, M. Nobis, A. Wróbel, E. Klichowska, S. Nowak et A. Nowak 2021 Hiperhalophytic shrublands on solonetz, gravelly or sandy soils in the colline belt around Fergana Valley
SAT-XX-c01	Community of <i>Limonium otolepis</i> Halophytic grasslands on sandy solonetz soils in large river valley of northern Pamir-Alai foothills
SAT-XX-c02	Community of <i>Atriplex ornata-Heliotropium ellipticum</i> Sparse halophytic grasslands on sandy substrates in large river valley of the Pamir-Alai
SAT-XX-c03	Community of <i>Phlomis betonicifolia</i> Subhalophytic grassland on arid solonetz soils in south-west Pamir-Alai
SAT-XX-c04	Community of <i>Zygophyllum bucharicum</i> Halophytic shrublands in colline belt of Aruk-Tau Mts in south-western Pamir-Alai
SAT-XX-c05	Community of <i>Cephalorhizum popovii</i> Halophytic sparsy vegetation of gypsum and salt outcrops in south-western Pamir-Alai in colline belt of Aruk-Tau Mts in south-western Pamir-Alai
SAT-XX-c06	Community of <i>Seidlitzia rosmarinus</i> and <i>Salsola gemmascens</i> Semi-desert vegetation of southern Hindu Kush in Afghanistan
SAT-XX-c07	Community of <i>Salsola subaphylla</i> and <i>Salvia santoliniifolia</i> Semi-desert vegetation of the Hindu Kush foothills
SAT-XX-c08	Community of <i>Cousinia arida</i> Semi-desert vegetation of the colline belt of the southern and western Hindu Kush in Afghanistan and Iran

SAT-XX-c09	Community of <i>Reaumuria stocksii</i> Semi-desert subhalophytic scrubland vegetation of the colline and lower montane belt of the south-western Hindu Kush in Afghanistan
SAT-XX-c10	Community of <i>Ferula asa-foetida</i> Semi-desert vegetation of lowlands to lower montane belt of the Irano-Turanian region
SAT-XX-c11	Community of <i>Amygdalus eburnea</i> and <i>A. erioclada</i> Scrublands of the semi-desert, subhumid belt of the southern Middle Asia
SAT-XX-c12	Community of <i>Amygdalus brahuica</i> Semi-desert scrublands of the arid zone of the eastern Afghanistan and northern Pakistan
SAT-XX-c13	Community of <i>Ziziphus nummularia</i> Thermophilous open scrublands of the Hindu Kush in Afghanistan and other southern semi-deserts of the Irano-Turanian region

Sclerophyllous and thermophilous scrub vegetation of arid habitats on large rock ledges, scree and badlands of the Middle Asia

EPH	Cl. Ephedreteae intermedio-equisetinae nom. prov.
EPH-A	O. <i>Ephedretalia intermediae</i> A. Nowak, S. Świeruszcz, S. Nowak, M. Nobis 2024 Montane and subalpine shrubby chasmophytic vegetation on arid habitats of the Pamir-Alai and western Tian Shan
EPH-AA	All. <i>Ephedro glaucae-Spiraeion baldschuanicae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Montane and subalpine shrubby chasmophytic vegetation on arid habitats of the Pamir-Alai and western Tian Shan
EPH-AA-01	Ass. <i>Spiraeetum baldschuanicae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Montane dwarf shrub vegetation on rock ledges of western Pamir-Alai
EPH-AA-02	Ass. <i>Rhamnetum coriaceae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Upper montane to subalpine dwarf shrub vegetation of rocky slopes of the western Pamir-Alai and western Tian Shan Mts.
EPH-AA-03	Ass. <i>Pentaphylloides parvifoliae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Alpine dwarf shrub vegetation of rock faces and ledges on mainly northern expositions in Pamir-Alai Mts.
EPH-AA-04	Ass. <i>Spiraeetum pilosae</i> A. Nowak, S. Świeruszcz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Montane chasmophytic dwarf scrub vegetation on rock ledges and clefts in western and central Pamir-Alai and Tian Shan Mts.
EPH-AA-05	Ass. <i>Clematido songoricarum-Ephedretum intermediae</i> A. Nowak, S. Świeruszcz, S. Nowak, M. Nobis 2024 nom. corr. Scree vegetation of upper montane to alpine belt of the western Pamir-Alai
EPH-AA-c01	Community of <i>Ephedra glauca</i> Alpine scrub on rock shelves and rocky slopes in western Pamir-Alai
EPH-AA-c02	Community of <i>Sageretia thea</i> Scree and rocky slopes scrub vegetation of colline and montane belts of the south-western Pamir-Alai
EPH-AB	All. <i>Ephedrion regeliano-fedtschenkoi</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic dwarf shrub vegetation in semi-arid zone of the Pamir
EPH-AB-01	Ass. <i>Pentaphylloides dryadanthoidis</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic dwarf shrub vegetation on limestone rocks in the alpine belt of the Eastern Pamir
EPH-AB-c01	Community of <i>Rhamnus minuta</i> Chasmophytic dwarf shrub vegetation on limestone rocks in the alpine belt of the Pamir
EPH-AB-c02	Community of <i>Erigeron vicarius</i> and <i>Ephedra regeliana</i> Chasmophytic vegetation of alpine to subnival belts on rock ledges of the Trans-Alai Mts.
EPH-AA-c03	Community of <i>Ribes villosum</i> Scree and rocky slope scrub vegetation of high alpine desert zone of the Pamir

Riparian forests of continental Central Asia with strong influences of temperate climate

POL	Cl. Populetea laurifoliae-suaveolentis Hilbig 2000 Riparian gallery forests of north-eastern outskirts of Irano-Turanian region
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POL-A	O. <i>Populetaia laurifolio-suaveolentis</i> Mirkin et al. ex Hilbig 2000 Poplar riparian forests from upper reaches of Ob. River in the foothills of Altai Mts.
POL-AA	All. <i>Populion laurifoliae</i> Mirkin et al. ex Hilbig 2000
POL-AA-01	Ass. <i>Artemisio dracunculi-Populetum laurifoliae</i> Mirkin et al. ex Hilbig 2000
POL-AA-02	Ass. <i>Populetum laurifolio-nigrae</i> Taran 1997
POL-AA-03	Ass. <i>Viburno opuli-Populetum laurifoliae</i> Taran 2017
POL-AA-04	Ass. <i>Brunnero sibiricae-Populetum laurifoliae</i> Taran 2016
POL-B	O. <i>Betulo-Populetaia talassicae</i> A. Nowak, M. Nobis 2013 Riparian forests of montane and subalpine river valleys of Middle Asia Upper montane group
POL-BA	All. <i>Populion talassicae</i> A. Nowak, M. Nobis 2013 Poplar, birch and ash forests of montane and subalpine belts along rivers with high discharge or in the estuary areas of mountainous lakes in Middle Asia
POL-BA-01	Ass. <i>Populetum pamiricae</i> A. Nowak, M. Nobis in A. Nowak, M. Nobis, M. Gębala, P. Wasik 2015 <i>Populus pamirica</i> riverside woods of the Eastern Pamir
POL-BA-02	Ass. <i>Populetum talassicae</i> A. Nowak, M. Nobis 2013 <i>Populus talassica</i> riverside wood of the western Pamir Alai and south-western Tian Shan
POL-BA-02a	Subass.: <i>Populetum talassicae caricetosum orbicularis</i> A. Nowak, M. Nobis 2013 Fen-related type of <i>Populus talassica</i> stands, mostly growing in a mountain lake shores
	Lower montane group
POL-BB	All. <i>Populion afghanicae</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017 Riparian forests of montane stream and river valleys
POL-BB-01	Ass. <i>Fraxinetum sogdianae</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017 Stands of <i>Fraxinus sogdiana</i> in deep, narrow, montane river valleys of Pamir-Alai and western Tian Shan
POL-BB-02	Ass. <i>Betuletum turkestanico-tianschanicae</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017 Birch woods in montane to subalpine belts in bottoms of V-shaped river valleys
POL-BB-c01	Community of <i>Ulmus pumila</i>
Riparian gallery forests and thickets of the Euro-Siberian, Mediterranean and Irano-Turanian region	
POA	Cl. Alno glutinosae-Populetea albae P. Fukarek et Fabijanič 1968
POA-A	O. <i>Salicetalia purpureae</i> Moor 1958 Riparian gallery forests of eastern Irano-Turanian region under the influence of temperate climate
POA-AA	All. <i>Rubio dolichophyllae-Populion albae</i> Taran 2005 White poplar riparian gallery forests of upper Irtysh watershed in Kazakhstan
POA-AB	All. <i>Equiseto hyemalis-Populion nigrae</i> Taran 1997 Black poplar riparian gallery forests of upper Irtysh watershed in Kazakhstan
POA-AB-01	Ass. <i>Equiseto hyemalis-Populetum nigrae</i> Taran 2017
POA-AC	All. <i>Salicion albae</i> Soó 1951 Willow alluvial woods on gravel bars of middle Irtysh in Kazakhstan
POA-B	O. <i>Salici capusii-Hippophaeetalia rhamnoidis</i> A. Nowak, S. Świerszcz, S. Nowak, A. Nobis & M. Nobis 2024 Buckthorn and willow scrub vegetation on the submontane to subalpine river bars in the mountains of Middle Asia
POA-BA	All. <i>Hippophaeion rhamnoidis</i> Eberhardt 2004 Buckthorn and willow scrub on the gravelly stream banks in the submontane to subalpine belts of the mountains of Middle Asia
POA-BA-01	Ass. <i>Salici pycnostachyae-Hippophaetum rhamnoidis</i> Eberhardt 2004 nom. corr.

POA-BA-02	River-bar willow bushes of Pamir-Alai, Kopet-dagh and Tian Shan Ass. <i>Calamagrostio pseudophragmites-Hippophaetum rhamnoidis</i> Eberhardt 2004 nom. corr.
POA-BA-03	Buckthorn thickets on river-bars of the alpine rivers in Karakorum Mts. and the Pamir Ass. <i>Salicetum turanico-pycnostachyae</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017
POA-BA-04	River-bar willow bushes of Pamir-Alai, Kopet-dagh and Tian Shan Ass. <i>Tussilagini farfarae-Calamagrostietum pseudophragmitae</i> Pawłowski et Walas 1949
POA-BA-c01	Eurasian river-bar grassy vegetation dominated by <i>Calamagrostis pseudophragmites</i> Community of <i>Salix capusii</i>
POA-BA-c02	Community of <i>Chondrilla phaeocephala</i>
POA-BA-c03	Community of <i>Incarvillea olgae</i>
POA-BA-c04	Community of <i>Saccharum spontaneum</i>
POA-BA-c05	Community of <i>Saccharum ravennae</i>
POA-BA-c06	Community of <i>Pennisetum orientale</i>
POA-BA-c07	Community of <i>Berberis nummularia</i>
POA-BA-c08	Community of <i>Halimodendron halodendron</i>
POA-BA-c09	Community of <i>Glycyrrhiza glabra</i>
POA-BA-c10	Community of <i>Datisca cannabina</i>
POA-BA-c11	Gravel aprons, humid gorge and ravine vegetation of Middle Asia Community of <i>Salix iliensis</i> Subalpine vegetation of aprons, screes and river bars in Middle Asia All above mentioned communities were found within the borders of Tajikistan, mainly in Surkhob, upper Vakhsh, Vanch, Pyandzh, Pamir and Zeravshan River Valleys. Some of them make the stands on the river bars secondarily, having the main habitats on neighbouring screes and aprons or small tributaries (e.g. <i>Incarvillea olgae</i> , <i>Chondrilla phaeocephala</i>).
POA-BB	All. <i>Myricarion bracteato-squamosae</i> nom. prov. Submontane to subalpine river bar scrub of Middle Asia
POA-BB-c01	Community of <i>Myricaria squamosa</i>
POA-BB-c02	Community of <i>Myricaria bracteata</i>
POA-BB-c03	Community of <i>Lonicera stenantha</i>
POA-BC	All. <i>Chamaenerion latifolii</i> nom. prov. Vegetation of montane-subalpine river bars and gravel terraces of the Middle and Central Asia
POA-BC-c01	Community of <i>Clematis tangutica</i>
POA-BC-c02	Community of <i>Chamaenerion latifolium</i>
Riparian open wood vegetation of saline and subsaline alluvial habitats along mainly intermittent rivers and oases	
POP	Cl. <i>Populetea euphraticae</i> Zohary 1962 nom. inval.
POP-A	O. <i>Populetales pruinosa-euphraticae</i> ord. nov. hoc loco Riparian galley open woods of alluvial habitats in Irano-Turanian and eastern Mediterranean region
POP-AA	All. <i>Elaeagno angustifoliae-Populion pruinosa</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017 Galley open forests and thickets of the large river floodlands in the lowland Middle Asia
POP-AA-01	Ass. <i>Populetum pruinosa</i> A. Nowak, M. Nobis, S. Nowak 2017 in A. Nowak, M. Nobis, S. Nowak, M. Gębala, A. Nobis 2017 Riparian open woods of large river valleys of Syr-daria, Amu-daria, Vakhsh, Pyandzh, Tarim
POP-AA-02	Ass. <i>Populetum euphraticae</i> Zohary 1951 nom. inval.

Riparian and oasis open woods of the Tarim river valley in semi-arid climate

Riparian scrub vegetation of saline and subsaline alluvial habitats along mainly lowland rivers

TAM	Cl. Tamaricetea arceuthoidis Akhani et Mucina 2015
TAM-A	O. <i>Elaeagno turcomanicae-Tamaricetalia ramosissimae</i> Akhani et Mucina 2015
	Riparian subsaline river bar thickets of Irano-Turanian region
TAM-AA	All. <i>Agropyro fragilis-Tamaricion ramosissimae</i> Golub in Barmin 2001
	Riparian subsaline bushes of Central Asia
TAM-AA-c01	Community of <i>Tamarix florida</i>
	Halophytic shrublands along large rivers in western Pamir-Alai and western Tian Shan
TAM-AA-c02	Community of <i>Cynodon dactylon-Tamarix ramosissima</i>
	Intensively grazed river-bar shrublands of Tajikistan
TAM-AA-c03	Community of <i>Tamarix hohenackeri</i>
	Riparian subsaline bushes of western and central Tajikistan
TAM-AA-c04	Community of <i>Tamarix arceuthoides</i>
	Riparian subsaline bushes of south-western Tajikistan
TAM-AA-c05	Community of <i>Trachomitum lancifolium</i>
	Bushes and fringe vegetation on the river banks and flats in Tajikistan
TAM-AA-c06	Community of <i>Vitex agnus-castus</i>
	Riparian patchy vegetation on river bars in western Tajikistan
TAM-AA-c07.	Community of <i>Atraphaxis pyrifolia</i>
	Scree-like vegetation on river bars in central Tajikistan

Hypersaline alluvial temporary flooded swards in the semi-desert and desert zones on solonchak soils in the Irano-Turanian region

CLI	Cl. Climacopteretea crassae Akhani ex S. Świeruszcz, M. Nobis, A. Wróbel, E. Klichowska, S. Nowak et A. Nowak 2021 nom. corrigend.
CLI-A	O. <i>Psylliostachyetalia spicato-leptostachyae</i> S. Świeruszcz, M. Nobis, A. Wróbel, E. Klichowska, S. Nowak et A. Nowak 2021
	Hypersaline grasslands dominated by annuals on solonchak soils, often flooded areas in river valleys of Middle & Central Asia
CLI-AA	All. <i>Climacopterion lanatae</i> Berdiev et Golub in Golub 1995
	Hypersaline grasslands dominated by annuals on solonchak soils of Middle & Central Asia
CLI-AA-01	Ass. <i>Sphenopodo-Climacopteretum glaberrimae</i> Rukhlenko 2014
	Halophytic vegetation of lowlands and colline belt of western Pamir-Alai and western Tian Shan
CLI-AA-c01	Community of <i>Aeluropus littoralis-Salsola leptoclada</i>
	Halophytic mats of flooded river valleys and damp anthropogenic habitats of western Pamir-Alai and western Tian Shan
CLI-AA-c02	Community of <i>Halostachys belangeriana</i>
	Halophytic vegetation of flooded river valleys and damp anthropogenic habitats of western Pamir-Alai and western Tian Shan
CLI-AA-c03	Community of <i>Salicornia europaea</i>
	Halophytic vegetation of flooded river valleys of western Pamir-Alai and western Tian Shan

Pioneer ephemeral dwarf-grass vegetation in periodically flooded saline habitats of Eurasia

CRY	Cl. Crypsietea aculeatae Vicherek 1973
CRY-A	O. <i>Puccinellietalia limosae</i> (Soó 1968) Géhu et Rivas-Martinez 1982
CRY-AA	All. <i>Cypero-Spergularion salinae</i> Slavnić 1948
CRY-AA-01	Ass. <i>Heleochloëtum schoenoidis</i> Tópa 1939
	Ephemeral vegetation of muddy sediments within rice fields in western Tajikistan

Shrubby vegetation on mobile screes and rock ledges in continental and temperate Central Asia

BER	Cl. <i>Artemisia santolinifoliae</i> - <i>Berberidetea sibiricae</i> Ermakov et al. 2006 Subalpine chasmophytic vegetation of cold and arid habitats in Central Asia
BER-A	<i>O. Artemisia santolinifoliae-Berberidetalia sibiricae</i> Ermakov et al. 2006 Subalpine and upper montane chasmophytic vegetation of warm and arid zone in northern Middle and Central Asia
BER-AX	All. unknown
BER-AX-c01	Community of <i>Scutellaria oligodonta-Lonicera semenovii</i> Scree vegetation of the alpine belt of central Tian-Shan

Chasmophytic vegetation of Middle Asia

Relict chomophytic and chasmophytic vegetation in the shaded and water-splashed habitats of the Mediterranean, the Atlantic islands, North Africa, Middle East and Middle Asia

ADI	Cl. <i>Adiantetea capilli-veneris</i> Br.-Bl. in Br.-Bl., Roussine & Nègre 1952 Chasmophytic thermophilous and water splashed vegetation of shaded rock walls of Middle Asia
ADI-A	<i>O. Adiantetalia capilli-veneris</i> Br.-Bl. ex Horvatić 1934
ADI-AA	All. <i>Adiantion capillis-veneris</i> Br.-Bl. ex Horvatić 1934
ADI-AA-01	Ass. <i>Soncho transcaspici-Adiantetum capilli-veneris</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Chasmophytic thermophilous and water splashed vegetation of shaded rock walls of Pamir-Alai
ADI-AA-02	Ass. <i>Cryptogrammetum stelleri</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Chasmophytic, cosmopolitan, water splashed vegetation of shaded rock clefts of Middle Asia

Chasmophytic vegetation of montane and alpine rock faces of Middle & Central Asia

ASO	Cl. <i>Carici koshewnikowii-Asperuletea oppositifoliae</i> A. Nowak, S. Świerszcz, S. Nowak, A. Nobis, M. Nobis 2024
ASO-A	<i>O. Campanuletalia incanescens</i> M. Nobis, A. Nowak et A. Nobis ex A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of montane and alpine rock faces of Middle Asia
ASO-AA	All. <i>Asperulo albiflorae-Campanulion lehmannianae</i> M. Nobis, A. Nowak et A. Nobis ex A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of upper montane and alpine rock faces of Middle Asia Western Pamir-Alai group
ASO-AAa	Suball. <i>Campanulenion lehmannianae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014
ASO-AA-01	Ass. <i>Sergietum regelii</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation on solid limestone walls of the upper montane belt in Fann Mts (mainly Haf-kul valley)
ASO-AA-02	Ass. <i>Scutellarietum megalodontae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation on dolomite and conglomerate rocks in subalpine and alpine belts of the western Pamir-Alai Mts.
ASO-AA-03	Ass. <i>Scutellarietum rubromaculatae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation on solid limestone walls of the alpine belt in western valleys of Fann Mts.
ASO-AA-04	Ass. <i>Scutellarietum orbicularis</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation on often overhanging limestone faces in the montane and subalpine belts of central Zeravshan Mts. (mainly Kshtut and Dukdon Valleys)
ASO-AA-05	Ass. <i>Campanuletum lehmannianae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of solid limestone faces of the western Hissar and Zeravshan Mts.
ASO-AA-06	Ass. <i>Violetum majchurensis</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of solid limestone faces of the central Hissar and Zeravshan Mts. (mainly Chore and Maichura Valleys)
ASO-AA-07	Ass. <i>Andrachnetum fedtschenkoi</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of tiny limestone fissures on solid faces in montane belt of Zeravshan and Turkestan Mts.
ASO-AA-08	Ass. <i>Achoriphragmetum turkestanici</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014

ASO-AA-09	Chasmophytic vegetation of limestone clefts and ledges of the northern and western Pamir-Alai ranges. Ass. <i>Minuartio litwinowii-Phaeonychietum surculosi</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014
ASO-AA-10	Chasmophytic vegetation of overhanging walls in alpine and subnival belts of western Pamir Alai (mainly Zeravshan and Hissar Mts.) Ass. <i>Silenetum samarcandensis</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014
ASO-AA-11	Chasmophytic vegetation on limestone, marl and dolomite rocks in subalpine to alpine belts of western Pamir-Alai Ass. <i>Eritrichietum turkestanici</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014
ASO-AA-c01	Chasmophytic vegetation of limestone solid faces in alpine belt of Fann Mts. Community of <i>Andrachne pygmaea</i> Chasmophytic vegetation of tiny fissures of limestone rock outcrops near Osh in Fergana Valley
Eastern Pamir-Alai group	
ASO-AA-12	Ass. <i>Achoriphragmetum darvazici</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of limestone faces and ledges of the eastern Pamir-Alai ranges (mainly Darvaz and Vanch Mts.)
ASO-AA-13	Ass. <i>Asperuletum fedtschenkoi</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of limestone solid faces in upper montane and alpine belts of the eastern Pamir-Alai (mainly Darvaz and Vanch Mts.)
ASO-AA-14	Ass. <i>Parryetum schugnanae</i> A. Nowak, S. Świerszcz, S. Nowak, V. Plášek, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation on limestone and schist rocks in the alpine to subnival belts of the eastern Pamir-Alai (mainly Schugnan, Vanch and Rushan Mts)
ASO-AA-15	Ass. <i>Corydalido bucharicae-Hippolytietum schugnanicae</i> A. Nowak, S. Świerszcz, S. Nowak, V. Plášek, A. Nobis, E. Klichowska, M. Nobis 2022 nom. corr. Chasmophytic vegetation on schist, granite and mudstone rocks in the alpine belt of the eastern Pamir-Alai (mainly Schugnan, Vanch and Rushan Mts)
ASO-AA-16	Ass. <i>Drabetum darvasicae</i> A. Nowak, S. Świerszcz, S. Nowak, V. Plášek, A. Nobis, E. Klichowska, M. Nobis. 2022 Chasmophytic vegetation of limestone rock crevices and small ledges in the alpine belt of Darvaz Mts.
ASO-AA-17	Ass. <i>Paraquilegietum anemonoidis</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of solid rock faces in the alpine belt of Pamir Alai and Tian Shan Mts.
ASO-AA-18	Ass. <i>Psychogetonetum andryaloidis</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 nom. corr. Chasmophytic vegetation of limestone clefts and ledges of eastern Pamir-Alai (Peter the First and Vanch Mts.)
ASO-AA-19	Ass. <i>Asperulo oppositifoliae-Achnatheretum jacquemontii</i> M. Nobis, Klichowska & A. Nowak 2023 Chasmophytic vegetation of limestone rocks of the eastern Pamir-Alai (mainly Alai and eastern Zeravshan Mts.)
ASO-AA-c02	Community of <i>Potentilla malacotricha</i> and <i>Waldheimia glabra</i> Chasmophytic vegetation of alpine to subnival belts of the Pamir
ASO-AAb	Suball. <i>Pentanemenion albertoregeliae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of rock ledges and clefts with organic substrates in the Pamir-Alai
ASO-AA-20	Ass. <i>Pentanemetum albertoregeliae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of rock ledges and clefts of the montane belt in western Pamir-Alai
ASO-AA-21	Ass. <i>Saussuretum ovatae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 nom. corr. Chasmophytic vegetation of rock ledges and clefts of the alpine to subnival belts in western Pamir-Alai
ASO-AA-22	Ass. <i>Rhinactinidietum popovii</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of rock ledges of the alpine belt in western Pamir-Alai
ASO-AA-23	Ass. <i>Asperulo albiflorae-Stipetum zeravshanicae</i> M. Nobis, A. Nowak et A. Nobis 2013 Chasmophytic vegetation of small limestone rock ledges of the alpine belt in Zeravshan and Alai Mts.
ASO-AA-24	Ass. <i>Achoriphragmetum pinnatifidi</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of rock clefts and overhanging rocks on limestone and marl faces in Pamir-Alai, Tian Shan and Altai ranges.
ASO-AA-25	Ass. <i>Inuletum glaucae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation of rock clefts and overhanging rocks on limestone and marl faces in upper montane to subalpine belts of western Pamir-Alai

Vegetation of rock crevices of submontane and colline zone in the Pamir-Alai and Tian Shan Mts

ASO-AB	All. <i>Caricion koshevníkovii</i> (A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014) A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic vegetation of submontane and colline belts in the Pamir-Alai and Tian Shan Mts.
ASO-AB-01	Ass. <i>Scutellarietum hissaricae</i> (A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014) A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic vegetation of granite rock ledges of the montane belt in Hissar Mts.
ASO-AB-02	Ass. <i>Scutellarietum zaprjagaevii</i> (A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014) A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic vegetation of montane belt on granite friable rocks of the montane belt in Hissar Mts.
ASO-AB-03	Ass. <i>Scutellarietum baldshuanicae</i> (A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014) A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic vegetation of colline and montane belts in south-western Pamir-Alai (mainly Sarsarak, Darvaz and Hazratishoh Mts)
ASO-AB-04	Ass. <i>Tylospermetum lignosae</i> (A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014) A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic vegetation of granite and gneiss rocks (often overhanging) of the montane belt in Hissar Mts.
ASO-AB-05	Ass. <i>Dionysietum involucratae</i> A. Nowak, M. Nobis, S. Nowak et A. Nobis 2014 Chasmophytic vegetation of granite rocks of the colline and montane belts in central Hissar Mts.
ASO-AB-06	Ass. <i>Nanorrhinetum ramosissimi</i> (A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014) A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic vegetation of limestone rocks of the colline and montane belts in southern Darvaz and Hazratishoh Mts.
ASO-AB-07	Ass. <i>Campanuletum albertii</i> (A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014) A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic vegetation of limestone rocks of the montane belts in western Tian Shan Mts.
ASO-AB-08	Ass. <i>Asperulo albiflorae-Kafirniganietum hissaricae</i> A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation of granite, crambly rocks in montane belt of Sardai-Miyona Valley (Hissar Mts.)
ASO-AB-09	Ass. <i>Scrophularietum glabellae</i> A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation of limestone and gypsum rock ledges in colline and montane belts of Ak-tau and Babatag Mts
ASO-AB-10	Ass. <i>Scutellarietum immaculatae</i> A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation on solid rock faces with tiny fissures and crevices in montane and subalpine belts in western Alai Mts.
ASO-AB-11	Ass. <i>Campanuletum eugeniae</i> A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation of limestone rock faces and ledges in montane and subalpine belts of Kyrgyz, Talas and Fergana Mts.
ASO-AB-11a	Subass. <i>Campanuletum eugeniae fumarioletosum turkestanicae</i> A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation of shadowed solid limestone faces (gorges, river rock narrowings) in central Alai Mts.
ASO-AB-12	Ass. <i>Silenetum kuschakewiczii</i> A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation of upper montane and subalpine belts of the western Pamirian and Darvazian ranges
ASO-AB-13	Ass. <i>Rosularietum platyphyllae</i> A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation on ledges and shelves in montane belt of semi-arid zones of Fergana, Terskey and Kungey Ala-too Mts.
ASO-AB-14	Ass. <i>Silenetum lithophilae</i> A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation of schist rock faces in montane and subalpine belts of Talas and Kyrgyz Mts.
ASO-AB-15	Ass. <i>Rhinactinidietum limoniifoliae</i> A. Nowak, S. Świercz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation of limestone rock ledges in montane and subalpine belts of western Tian Shan Mts
ASO-AB-c01	Community of <i>Scutellaria comosa</i> Chasmophytic, thermophilous vegetation of the colline and lower montane belts of the Fergana Valley
ASO-AB-c02	Community of <i>Pterocephaus afghanicus</i> Chasmophytic, thermophilous vegetation of the colline and lower montane belts of the western Pamir-Alai
ASO-AB-c03	Community of <i>Rosularia glabra</i> Rock ledges and boulders in the colline and lower montane belts of the western Pamir-Alai in warm climatic zone
ASO-AB-c04	Community of <i>Rosularia lutea</i> Rock ledges and boulders in the montane and alpine belts of the Pamir-Alai
ASO-AB-c05	Community of <i>Dionysia hissarica</i> Chasmophytic vegetation of sandstone rocks of the montane belt of western Hissar Mts.

ASO-AB-c06	Community of <i>Scutellaria chodshakasiani</i> Chasmophytic vegetation of colline and montane belts in south-western Pamir-Alai; mainly Khojaqoziyon, Tuyun-Efn, Koiki-Toy Mts.
ASO-AC	All. <i>Eritrichion pamirico-subjacquemontii</i> all. nov. hoc loco Vegetation of rock ledges and clefts in highly elevated semiarid zone of the Pamir
ASO-AC-01	Ass. <i>Crepidifolii tenuifolii-Stipetum tianschanicae</i> A. Nowak, S. Świerszcz, S. Nowak, V. Plášek, A. Nobis, E. Klichowska, M. Nobis 2022 Vegetation of rock ledges and clefts in the alpine belt of the Eastern Pamir
ASO-AC-c01	Community of <i>Androsace villosa</i> var. <i>dasyphylla</i> Vegetation of rock ledges, clefts and screes in the alpine and subnival belts of the Eastern Pamir
ASO-AD	All. <i>Hippolytion darvasicae</i> A. Nowak, S. Świerszcz, S. Nowak, V. Plášek, A. Nobis, E. Klichowska, M. Nobis 2022 Rock vegetation of the eastern Pamir-Alai and Western Pamir
ASO-AD-01	Ass. <i>Silenetum kuhistanicae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014 Chasmophytic vegetation on conglomerates and limestone rocks in montane and subalpine belts of Pamir-Alai
ASO-AD-02	Ass. <i>Scutellarietum schugnanicae</i> (A. Nowak, S. Nowak, M. Nobis, A. Nobis 2014) A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Chasmophytic vegetation of upper montane to alpine belts in Schugnan, Vanch and Rushan ranges (eastern Pamir-Alai)
ASO-AD-03	Ass. <i>Acantholimetum alexeenkoani</i> A. Nowak, S. Świerszcz, S. Nowak, V. Plášek, A. Nobis, E. Klichowska, M. Nobis 2022 nom. corr. Chasmophytic vegetation of limestone clefts and ledges in montane to subalpine belts of Shakh dara, Wakhan and Ishkashim ranges (southern Pamir)
ASO-AD-04	Ass. <i>Inuletum schmalhauseni</i> A. Nowak, S. Świerszcz, S. Nowak, V. Plášek, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytic vegetation on solid granite faces (often overhanging) in the alpine belt of Rushan, Yazgulem, Gunt, Shakh dara, and Bartang valleys in the Pamir
ASO-AD-c01	Community of <i>Rosularia alpestris</i> Chasmophytic vegetation on boulders and rock ledges in the alpine belt of the Pamir
ASO-AD-c02	Community of <i>Silene schugnanica</i> Chasmophytic vegetation in montane to subalpine belts in the eastern Pamir Alai (mainly Shugnan and Darvaz Mts.)
ASO-AD-c03	Community of <i>Cephalopodium badachshanicum</i> Chasmophytic vegetation of large crevices and ledges of upper montane and alpine belts of the Western Pamir
ASO-B	<i>O. Potentilletalia caulescentis</i> Br.-Bl. in Br.-Bl. et Jenny 1926
ASO-BA	All. <i>Cystopteridion fragilis</i> Richard 1972 Chasmophytic vegetation of shadowed rocks and screes in Eurasia
ASO-BA-01	Ass. <i>Asplenio-Cystopteridetum fragilis</i> Oberdorfer 1938 Chasmophytic vegetation of shadowed rocks and screes in Pamir-Alai and Tian Shan Mts. Variant with <i>Asplenium viride</i> Variant with <i>Gymnocarpium robertianum</i>
ASO-BA-02	Ass. <i>Asplenietum trichomano-rutae-murariae</i> Tüxen 1937 Chasmophytic vegetation of shadowed, limestone rocks in Eurasia, including Pamir-Alai and Tian Shan Mts.
ASO-BA-c01	Community of <i>Asplenium septentrionale</i> Vegetation on acidic rocks in shaded habitats of the alpine belt of Middle and Central Asia
High altitude subnival rupicolous and snow-bed vegetation	
DRA	Cl. Didymophyso aucheri-Draconocephaletea aucheri Noroozi et al. 2017
DRA-A	O. <i>Drabo pamiricae-Androsacetalia akbaitalensis</i> A. Nowak, S. Nowak, S. Świerszcz, M. Nobis, G. Swacha 2024 in S. Nowak et al. 2024 Subnival and alpine vegetation of screes and snow-beds of Middle Asia
DRA-AA	All. <i>Oxytropido savellanicae-Nepetion pamiricae</i> A. Nowak, S. Nowak, S. Świerszcz, M. Nobis, G. Swacha 2024 in S. Nowak et al. 2024

	High-elevation grasslands in relatively dry habitats with often patchy structure in the Eastern Pamir and western Tian Shan.
DRA-AA-01	Ass. <i>Saxifraga oppositifoliae</i> - <i>Potentilletum biflorae</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Rupicolous vegetation of gravelly damp screes, glacier moraines and rocks in the alpine to subnival belts of the eastern Pamir-Alai and the northern and central Tian Shan Mts.
DRA-AA-02	Ass. <i>Carici stenocarpae</i> - <i>Androsacetum akbaitalensis</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Subnival rupicolous vegetation of rocky and gravelly slopes of the Pamirs
DRA-AA-03	Ass. <i>Dracocephalum imberbe</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Subnival to alpine rupicolous vegetation on gravelly slopes and screes or rock ledges of the central Tian Shan
DRA-AA-04	Ass. <i>Dracocephalum nodulosi</i> - <i>Rosularietum borissovae</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Alpine rupicolous vegetation of gravelly slopes, rock ledges and moraines in the central and western Tian Shan.
DRA-AA-05	Ass. <i>Nepetetum longibracteatae</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Subnival vegetation of rupicolous habitats of Central Asia and the Himalayas
DRA-AA-06	Ass. <i>Nepeto pamirensis</i> - <i>Rhodioletum recticaulis</i> S. Nowak, S. Świerszcz, M. Nobis, G. Swacha, A. Nowak 2024 Alpine and subnival patchy swards of the Pamir and central Tian Shan Mts.
DRA-AA-c01	Community of <i>Leiospora bellidifolia</i> - <i>Ajania trilobata</i> Subnival rupicolous vegetation of central Tian Shan.
DRA-AA-c02	Community of <i>Oxyria digyna</i> Alpine to subnival rupicolous vegetation of damp habitats in the western Tian Shan Mts.
DRA-AA-c03	Community of <i>Dracocephalum oblongifolium</i> Alpine to subnival rupicolous vegetation of Pamir-Alai, Tian Shan and Altai
DRA-AA-c04	Community of <i>Dracocephalum scrobiculatum</i> Alpine to subnival rupicolous vegetation of Pamir-Alai and western Tian Shan Mts.
DRA-AA-c05	Community of <i>Dracocephalum stamineum</i> Alpine grasslands on screes and gravelly aprons of central Tian Shan and the Pamir
DRA-AA-c06	Community of <i>Oxytropis tianschanica</i> Alpine to subnival swards of northern Pamir-Alai and Tian Shan Mts.
DRA-AA-c07	Community of <i>Richteria leontopodium</i> Alpine to subnival rupicolous vegetation of rock ledges and moraine in the central Tian Shan
DRA-AA-c08	Community of <i>Calamagrostis anthoxanthoides</i>

Scree vegetation of montane and subalpine belts of Irano-Turanian region

PAC	Cl. <i>Trichodesmo incani</i> - <i>Pachypterygieta brevipes</i> A. Nowak, S. Świerszcz, S. Nowak, A. Nobis & M. Nobis 2024
PAC-AA	O. <i>Sileno brahuicae</i> - <i>Lactugetalia orientalis</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021 Scree vegetation of alpine and subalpine belts of western Middle Asia
PAC-AA	All. <i>Ferulo foetidissimae</i> - <i>Vicion kokanicae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Scree vegetation of the alpine belt of the Pamir-Alai and western Tian Shan
PAC-AA-01	Ass. <i>Anaphalidetum zeravschanicae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Fine scree vegetation of alpine belt of the western Pamir-Alai
PAC-AA-02	Ass. <i>Angelicetum ternatae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Scree vegetation on colluvial cones and slopes with cobble or pebble material in the alpine belt of Pamir-Alai
PAC-AA-03	Ass. <i>Feruletum foetidissimae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Alpine vegetation on compacted rock debris in Pamir-Alai Mts.
PAC-AA-03a	Subass. <i>Feruletum foetidissimae mediasietosum macrophyllae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Upper montane to alpine rupicolous vegetation with endemic <i>Mediasia macrophylla</i> in western Pamir-Alai
PAC-AA-03b	Subass. <i>Feruletum foetidissimae typicum</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015

PAC-AA-04	Ass. <i>Feruletum koso-poljanskyi</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Loose scree vegetation with deep gravel deposits in upper montane and alpine belt of Pamir-Alai
PAC-AA-05	Ass. <i>Hedysaretum flavescentis</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Screes and mesic steep slope vegetation in the alpine belts of western Pamir-Alai (mainly Hissar and Zeravshan Mts.)
PAC-AA-06	Ass. <i>Stellarietum turkestanicae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Fine scree vegetation on deep gravel deposits of the alpine belt of the western Pamir-Alai Mts.
PAC-AA-07	Ass. <i>Tetrataenietum olgae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Scree vegetation on coarse debris in the alpine belt of western Pamir-Alai
PAC-AA-08	Ass. <i>Feruletum bucharicae</i> A. Nowak, S. Świeraszcz, S. Nowak, A. Nobis, E. Klichowska, M. Nobis 2022 Chasmophytuc, thermophilous vegetation of eroded rocky slopes and screes of south-western Pamir-Alai.
PAC-AA-09	Ass. <i>Perovskietum scrophulariifoliae</i> A. Nowak, S. Świeraszcz, S. Nowak, M. Nobis 2021 Montane vegetation of aprons, talus cones and river bar gravel sediments of the Middle Asia
PAC-AA-10	Ass. <i>Eremuretum turkestanicae</i> A. Nowak, S. Świeraszcz, S. Nowak, M. Nobis 2021 Scree forb vegetation of alpine belt of western Tian-Shan Mts.
PAC-AA-c01	Community of <i>Ferula ovina</i> Typical scree vegetation on deep gravel deposits in western Pamir-Alai
PAC-AA-c02	Community of <i>Astragalus macropterus</i> Mesic steep slopes and scree vegetation of Middle & Central Asia
PAC-AA-c03	Community of <i>Atraphaxis zeravschanica</i> Scree and steep slope rupicolous vegetation of the semi-arid zone in upper montane to alpine belt in western Pamir-Alai
PAC-AA-c04	Community of <i>Glaucium squamigerum</i> Nitrophilous scree vegetation of the montane belt of western Pamir-Alai
PAC-AA-c05	Community of <i>Rheum fedtschenkoi</i> Alpine rupicolous vegetation of Pamir-Alai
PAC-AA-c06	Community of <i>Alajja afghanica</i> Alpine scree vegetation of western and southern Pamir-Alai
PAC-AA-c07	Community of <i>Euphorbia cyrtophylla</i> Alpine vegetation on compact screes and talus cones of western Pamir-Alai
PAC-AA-c08	Community of <i>Euphorbia pamirica</i> Alpine vegetation on screes, aprons and talus cones of the Pamir
PAC-AA-c09	Community of <i>Melissitus pamiricus</i> Alpine vegetation on screes, aprons and talus cones of the Eastern Pamir
PAC-AA-c10	Community of <i>Eremurus korshinskyi</i> Scree forb vegetation of alpine belt of Middle Asia
PAC-AB	All. <i>Ferulion grigorievii</i> A. Nowak, S. Świeraszcz, S. Nowak, M. Nobis 2021 Scree vegetation of alpine and subalpine belts of eastern Middle Asia
PAC-AB-01	Ass. <i>Crambo schugnanae-Feruletum grigorievii</i> A. Nowak, S. Świeraszcz, S. Nowak, M. Nobis 2021 Scree vegetation in semi-arid zone in alpine belt of the eastern Pamir
PAC-AB-02	Ass. <i>Allietum galanthii</i> A. Nowak, S. Świeraszcz, S. Nowak, M. Nobis 2021 Scree vegetation on deep gravel deposits of montane belt in central Tian-Shan
PAC-AB-03	Ass. <i>Nepetetum floccosae</i> A. Nowak, S. Świeraszcz, S. Nowak, M. Nobis 2021 Scree, rupicolous vegetation in semi-arid zone of the alpine belt in the Pamir
PAC-AB-c01	Community of <i>Bunium badachschanicum</i> Scree vegetation on deep rock gravel deposits in alpine belt of Badakshan region

PAC-AB-c02	Community of <i>Lagochilus seravschanicus</i> Scree vegetation of alpine and subalpine belts of Pamir-Alai
PAC-AB-c03	Community of <i>Corydalis fimbriifera</i> Scree and escarpment vegetation of the semi-arid zone of the Pamir
PAC-AB-c04	Community of <i>Stipa turkestanica</i> Scree and apron's vegetation of the subalpine and alpine belts of the Western Pamir
PAC-AC	All. <i>Alceion nudiflorae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Scree, mesic vegetation of montane belt of subhumid zone of Middle Asia Calcifuge group:
PAC-AC-01	Ass. <i>Cousinietum corymbosae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Scree, rupicolous vegetation on fine granite debris in the montane and subalpine belts of Hissar Mts.
PAC-AC-02	Ass. <i>Phlomoidetum tadshikistanicae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 nom. corr. Scree, rupicolous, thermophilous vegetation in the upper montane to subalpine belts of western Pamir-Alai
PAC-AC-03	Ass. <i>Cousinietum refractae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Rupicolous, thermophilous vegetation in montane belt of Hissar, Aktau and Karatau Mts Calcicole group:
PAC-AC-04	Ass. <i>Caccinietum dubiae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Scree vegetation of schist and limestone debris in montane to subalpine belts of Kuraminian, Turkestan and Zeravshan Mts.
PAC-AC-05	Ass. <i>Eremuretum sogdiani</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Rupicolous, thermophilous vegetation of montane belt in western Pamir-Alai and south-western Tian Shan
PAC-AC-05a	Subass. <i>Eremuretum sogdiani typicum</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016
PAC-AC-05b	Subass. <i>Eremuretum sogdiani delphinietosum ovczinnikovii</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 corr. (according to art. 43 ICPN) Rupicolous vegetation with domination of <i>Delphinium ovczinnikovii</i> in western Zeravshan Mts.
PAC-AC-c01	Community of <i>Ampelopsis vitiifolia</i> Typical mantle scree vegetation on loose debris in Pamir-Alai
PAC-AC-c02	Community of <i>Comarum salesiovianum</i> Scree and rupicolous vegetation on limestone debris in alpine belt of the Pamir-Alai Mts.
PAC-AC-c03	Community of <i>Scutellaria adenostegia</i> Scree vegetation in upper montane to subalpine belts of the Middle Asia
PAC-AC-c04	Community of <i>Patrinia intermedia</i> and <i>Salvia bucharica</i> Subalpine and montane scree vegetation of the Pamir-Alai and western Tian Shan
PAC-AC-06	Scree vegetation of colline and montane belt of arid and warm zones in Middle Asia Ass. <i>Zygophylletum atriplicoidis</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Scree, rupicolous, thermophilous scrub on coarse-gravel and pebble deposits with very scarce soil ingredient in Irano-Turanian region
PAC-AC-c05	Community of <i>Echinops nanus</i> Subhalophytic vegetation of semi-desert screes and badlands of Middle Asia
PAC-AC-c06	Community of <i>Glaucium elegans</i> Scree vegetation of alpine belt of western Pamir-Alai and Tian-Shan Mts.
PAC-AC-c07	Community of <i>Chondrilla gibbistrois</i> Scree vegetation of montane belt of the Pamir-Alai
PAC-AC-c08	Community of <i>Tetracmidion bucharicum</i> Thermophilous scree and steep slope vegetation of south-western Pamir-Alai
PAC-AC-c09	Community of <i>Olgaea chodzhaminense</i>

PAC-AC-c10	Scree-like thermophilous vegetation of colline and montane belts in south-western Tajikistan Community of <i>Echinops chloroleucus</i> Scree-like thermophilous vegetation of colline and montane belts in south-western Tajikistan
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Thermophilous chasmophytic vegetation of walls and road verges in subcontinental regions of temperate Europe, Middle East and North Africa

CYM	Cl. Cymbalario-Parietarietea diffusae Oberdorfer 1969
CYM-A	O. <i>Tortulo-Cymbalarietalia</i> Segal 1969
CYM-AA	All. <i>Parietario judaicae-Hyoscyamion aurei</i> S. Brullo et Guarino 1999
CYM-AA-01	Ass. <i>Corydalidetum kashgaricae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2016 Rupicolous and scree vegetation of arid zone of Central Asia
CYM-AA-01a	Subass. <i>Corydalidetum kashgaricae trigonellitosum gontscharovii</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2021 Rupicolous vegetation on screes or steep slopes of eastern Pamir-Alai (Darvaz Mts.)
CYM-AB	All. <i>Cymbalario muralis-Asplenion</i> Segal 1969 Chasmophytic vegetation of thermophilous, lowland to colline shaded habitats in Eurasia, including Middle Asia
CYM-AB-01	Ass. <i>Asplenio fontani-Ceterachetum officinarum</i> Gillet ex Ferrez 2009 Chasmophytic thermophilous vegetation of shaded clefts and crevices of Middle Asia
CYM-AB-02	Ass. <i>Cheilanthesetum persicae</i> A. Nowak, S. Nowak, M. Nobis, A. Nobis 2015 Chasmophytic thermophilous vegetation of shaded clefts, crevices and anthropogenic habitats of Middle Asia

Vegetation of rooted floating or submerged macrophytes of stagnant mesotrophic, eutrophic and brackish freshwater bodies and slowly flowing shallow streams

POT	Cl. Potametea Klika in Klika et Novák 1941
POT-A	O. <i>Potametalia</i> Koch 1926 Vegetation of rooted floating-leaf macrophytes of sheltered nutrient-rich freshwaters
POT-AA	<i>Nymphaeion</i> Oberdorfer 1957 Aaquatic vegetation of large macrophytes of mesotrophic to eutrophic waters
POT-AA-c01	Community of <i>Nymphaea odorata</i>
POT-AB	All. <i>Potamion</i> Miljan 1933
POT-AB-01	Ass. <i>Potametum denso-nodosi</i> de Bolós 1957 Aquatic vegetation of shallow paddy fields and lakes in western Tajikistan
POT-AB-02	Ass. <i>Potametum lucentis</i> Hueck 1931 Aquatic vegetation of lakes and ponds in western Tajikistan
POT-AB-03	Ass. <i>Potametum natantis</i> Hild 1959 Aquatic vegetation of eutrophic ponds, artificial reservoirs and paddy fields in Middle Asia
POT-AB-04	Ass. <i>Potametum perfoliati</i> Miljan 1933 Aquatic vegetation of eutrophic ponds and artificial reservoirs in Middle Asia
POT-AB-05	Ass. <i>Potamo pectinati-Myriophylletum spicati</i> Rivas Goday 1964 Aquatic vegetation of alpine lakes and ponds in Tajikistan
POT-AB-06	Ass. <i>Myriophylletum verticillati</i> Gaudet ex Šumberová in Chytrý 2011 Aquatic vegetation of alpine lakes and ponds in Tajikistan
POT-AB-07	Ass. <i>Potametum crispum</i> von Soó 1927 Aquatic vegetation of eutrophic ponds and artificial reservoirs in Middle Asia
POT-AB-c01	Community of <i>Ludwigia peploides</i> subsp. <i>stipulacea</i> Anthropogenic vegetation of rivers, ditches and eutrophic pools of Pamir-Alai foothills
POT-AB-c02	Community of <i>Myriophyllum sibiricum</i>

POT-AC	Vegetation of crosswort rooted macrophytes in shallow stagnant freshwaters
POT-AC-01	All. <i>Ranunculion aquatilis</i> Passarge ex Theurillat in Theurillat et al. 2015 Ass. <i>Potametum graminei</i> Lang 1967 Vegetation of shallow alpine lakes in Pamir-Alai
POT-AC-02	Ass. <i>Potametum pusilli</i> von Soó 1927 Aquatic vegetation of eutrophic ponds, artificial reservoirs and paddy fields of Middle Asia
POT-AC-03	Ass. <i>Potametum berchtoldii</i> Krasovskaja 1959 Aquatic vegetation of eutrophic ponds, artificial reservoirs and paddy fields of Middle Asia
POT-AC-04	Ass. <i>Ranunculetum natantis</i> nom. prov. Aquatic vegetation of alpine shallow lakes and pools in the Eastern Pamir
POT-AC-05	Ass. <i>Potametum filiformis</i> Koch 1926 (syn. Charo-Potamogetonum filiformis Spence 1964) Vegetation of shallow alpine lakes and pools in Middle Asia
POT-AD	Vegetation of crowfoot and milfoil rooted macrophytes in shallow moving freshwaters
POT-AD-01	All. <i>Batrachion fluitantis</i> Neuhäusl 1959 Ass. <i>Stuckenietum amblyphyllae</i> A. Nowak, M. Nobis 2012 Vegetation of shallow alpine lakes and brooks in Pamir-Alai
POT-AD-02	Ass. <i>Potametum pectinati</i> Carstensen ex Hilbig 1971 Aquatic vegetation of eutrophic ponds and artificial reservoirs in Middle Asia
POT-AD-c01	Community of <i>Stuckenia pamirica</i> Vegetation of shallow alpine lakes and brooks in the Eastern Pamir
POT-B	<i>O. Zannichellietalia pedicellatae</i> Schaminée, Lanjouw et Schipper ex Mucina et Theurillat ined. Vegetation of rooted macrophytes in meso-eutrophic brackish waters
POT-BA	All. <i>Zannichellion pedicellatae</i> Schaminée, Lanjouw et Schipper ex Passarge 1996
POT-BA-01	Ass. <i>Najadetum gramineae</i> A. Nowak, S. Nowak, M. Nobis 2013 Vegetation of shallow paddy fields in western Tajikistan, mainly Syr-daria and Zeravshan River Valleys
POT-BA-02	Ass. <i>Parvo-Potamo-Zannichellietum pedicellatae</i> De Soó 1947 Vegetation of shallow paddy fields in western Tajikistan, mainly Syr-daria and Zeravshan River Valleys
POT-BA-03	Ass. <i>Ceratophyllo-Azolletum filiculoidis</i> Nedelcu 1967 Vegetation of shallow paddy fields in western Tajikistan

Spring and fen vegetation of the montane and alpine belts of western Pamir-Alai Mountains in Tajikistan

Spring vegetation of the Irano-Turanian region

MON	Cl: Montio-Cardaminetea Br.Bl. et Tüxen ex Klika et Hadač 1944
MON-A	<i>O. Montio-Cardaminetalia</i> Pawłowski in Pawłowski et al. 1928
MON-AA	All. <i>Cirsio hygrophili-Cortusion turkestanicae</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et M. Hájek 2021 Forb vegetation of water outflows in upper montane and alpine belts of Irano-Turanian mountains
MON-AA-01	Ass. <i>Codonopsio clematidi-Cortusetum turkestanicae</i> A. Nowak, M. Nobis, S. Nowak & V. Plášek 2016 nom. corr. Forb vegetation of water outflows in Pamir-Alai mountains
MON-AA-02	Ass. <i>Epilobio tianschanici-Bryetum schleicheri</i> A. Nowak, M. Nobis, S. Nowak et V. Plášek 2016 Herbaceous vegetation of flat spring basins and headwaters with abundant bryophyte cover in Pamir-Alai Mts.
MON-AA-03	Ass. <i>Clementsietum semenovii</i> A. Nowak, M. Nobis, S. Nowak et V. Plášek 2016

MON-AA-04	Herbacious vegetation of flat flanks of the alpine rivulets in Pamir-Alai and Tian Shan Mts. Ass. <i>Cirsio hygrophili-Myosotidetum rivularis</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021
MON-AA-04a	Spring vegetation of base-poor and slightly acidic to neutral habitats in the montane and alpine belt of the Central Alborz range
MON-AA-04b	Subass. <i>Cirsio hygrophili-Myosotidetum rivularis typicum</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021
MON-AA-05	Subass. <i>Cirsio hygrophili-Myosotidetum rivularis scrophularietosum umbrosae</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021
MON-AA-06	Ass. <i>Epilobio pontici-Barbaretum plantagineae</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021
MON-AA-c01	Spring vegetation of (sub)montane to subalpine rivulets and in spring heads with stagnant and running water in western Alborz Mts. Ass. <i>Ligularietum persicae</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021
	Spring vegetation of stream flanks and small steep rivulets or fringes of alpine fens in Alborz Mts.
	Community of <i>Stellaria fontana</i> and <i>Catabrosa capusii</i>
	Pioneer vegetation of spring outflows and rivulet heads of Middle Asia

Vegetation of free floating aquatic plants

LEM	Cl. Lemneta de Bolós et Masclans 1955
LEM-A	O. <i>Lemnetalia minoris</i> (R. Tx. 1955) de Bolós et Masclans 1955
LEM-AA	All. <i>Utricularion vulgaris</i> Passarge 1964
	Vegetation of bladderworts in mesotrophic to eutrophic water bodies
LEM-AA-c01	Community of <i>Utricularia vulgaris</i>
POT-AA-c02	Community of <i>Salvinia natans</i>

Reed swamp, sedge bed and herbland vegetation of freshwater or brackish water bodies and streams of Eurasia

PHR	Cl. Phragmito-Magnocaricetea Klika in Klika et Novák 1941
PHR-A	O. <i>Phragmitetalia australis</i> Koch 1926
	Reed vegetation of pond and lake littoral zone in Tajikistan
PHR-AA	All. <i>Phragmiton austalis</i> Koch 1926
	Reed vegetation of pond and lake littoral zone in Tajikistan
PHR-AA-01	Ass. <i>Typhetum angustifoliae</i> Pignatti 1953
	Reed vegetation of alpine lakes in Tajikistan
PHR-AA-02	Ass. <i>Typhetum latifoliae</i> Nowiński 1930
	Reed vegetation of eutrophic ponds, ditches and flooded areas in Tajikistan
PHR-AA-03	Ass. <i>Typhetum laxmannii</i> (Ubrizsy 1961) Nedelcu 1968
	Vegetation of ditches, ponds and rice paddies with astatic water level in Tajikistan
PHR-AA-04	Ass. <i>Phragmitetum australis</i> Savič 1926
	Reed vegetation of eutrophic ponds, ditches and flooded areas in Tajikistan
PHR-AA-05	Ass. <i>Scirpetum triqueteri</i> Zonneveld 1955
	Vegetation of eutrophic ponds and ditches in Tajikistan
PHR-AA-06	Ass. <i>Scirpetum triquetiformis</i> A. Nowak, S. Nowak, M. Nobis 2013
	Vegetation of rice paddy fields in south-western Tajikistan
PHR-AA-07	Ass. <i>Scirpetum hippolytii</i> A. Nowak, S. Nowak et M. Nobis 2013
	Vegetation of rice paddy fields in western Tajikistan
PHR-AA-08	Ass. <i>Cyperetum longi</i> Micevski 1957
	Vegetation of rice paddy fields in western Tajikistan
PHR-AA-09	Ass. <i>Cyperetum serotini</i> Krausch 1965 [Syn. <i>Juncelletum serotini</i> Krausch 1965]
	Vegetation of rice paddy fields, ditches and other anthropogenic pools in western Tajikistan

PHR-AB	All. <i>Arundion collinae</i> S. Brullo, Giusso, Guarinoet Sciandello in S. Brullo et al. 2010
PHR-AB-c01	Thermophilous reed vegetation of southern Tajikistan Community of <i>Arundo donax</i> Thermophilous vegetation of flooded areas in large river valleys, ditches and anthropogenic pools in south-western Tajikistan
PHR-AC	All. <i>Eleocharito palustris-Sagittarion sagittifoliae</i> Passarge 1964.
PHR-AC-01	Helophyte vegetation of shallow pools and ponds in Tajikistan Ass. <i>Eleocharitetum uniglumis</i> W. Braun 1968
PHR-AC-02	Helophyte vegetation of shallow pools, ponds and wet grasslands in Tajikistan Ass. <i>Eleocharitetum mitracarpae</i> A. Nowak, S. Nowak et M. Nobis 2014
PHR-AC-03	Helophyte vegetation of shallow pools, ponds and damp habitats in Tajikistan Ass. <i>Eleocharitetum argyrolepis</i> A. Nowak, S. Nowak et M. Nobis 2014
PHR-AC-04	Helophyte vegetation of shallow pools, ponds and damp habitats in Tajikistan Ass. <i>Eleocharito palustris-Hippuridetum vulgaris</i> Passarge 1964
PHR-AC-05	Emerging helophyte vegetation of lakes and ponds, mainly in the alpine belt of the Pamir Ass. <i>Juncetum brachytepali</i> A. Nowak, S. Nowak et M. Nobis 2014
PHR-AC-06	Helophyte vegetation of fens and swampy grasslands in western Tajikistan in Tajikistan Ass. <i>Scirpetum tabernaemontani</i> De Soó 1947
PHR-AC-07	Helophyte vegetation of shallow pools and ponds on deep muddy substrates in Tajikistan Ass. <i>Rorippo palustris-Alismatetum graminei</i> A. Nowak, S. Nowak et M. Nobis 2014
PHR-AC-08	Helophyte grasslands in pools, ditches and paddies with unstable water in western Tajikistan Ass. <i>Bolboschoenetum glauci</i> Grechushkina, Sorokin et Golub 2011
PHR-AC-09	Thermophilous, subhalophytic reed vegetation of shallow pools and ponds in Tajikistan Ass. <i>Bolboschoenetum affinis</i> A. Nowak & M. Nobis 2024
PHR-AC-10	Thermophilous, subhalophytic reed vegetation of anthropogenic shallow pools in northern Middle and Central Asia Ass. <i>Caricetum pamirensis</i> A. Nowak & M. Nobis 2024
PHR-AC-c01	Littoral vegetation of shallow alpine lakes and ponds in the Eastern Pamir Community of <i>Pycraeus flavidus</i> Thermophilous vegetation on muddy habitats of pools and alluvial sediments
PHR-AD	All. <i>Glycerio-Sparganion</i> Br.-Bl. et Sissingh in Boer 1942
PHR-AD-01	Hygrophilous herblands of shallow pools and lakes Ass. <i>Leersietum oryzoidis</i> Egger 1933
PHR-AD-02	Hygrophilous reeds of shallow lakes and ditches with stable water Ass. <i>Helosciaditum nodiflori</i> Maire 1924
PHR-AD-03	Herbland vegetation of the margins of river bars in western Tajikistan Ass. <i>Beruletum erectae</i> Roll 1938
PHR-AD-04	Hygrophilous herblands of shallow pools and ditches in lowlands and colline belt of Tajikistan Ass. <i>Mentho asiaticae-Nasturtietum microphylli</i> A. Nowak, S. Nowak et M. Nobis 2014 nom. corr.
PHR-AD-05	Hygrophilous herblands of shallow pools and ditches in lowlands and colline belt of Tajikistan Ass. <i>Sparganietum stoloniferi</i> A. Nowak, S. Nowak et M. Nobis 2014
PHR-AD-06	Hygrophilous herblands of shallow pools and ditches in lowland Tajikistan Ass. <i>Sparganietum erecti</i> Roll 1938
	Hygrophilous herblands of shallow pools and ditches in lowland Tajikistan

PHR-AD-07	Ass. <i>Glycerietum notatae</i> Kulczyński 1928 Hygrophilous herblands of shallow pools, anthropogenic ponds and ditches in lowland Tajikistan
PHR-AE	All. <i>Phalaridion arundinaceae</i> Kopecký 1961 Reed vegetation of freshwater flowing and seasonally fluctuating of Eurasia
PHR-AE-01	Ass. <i>Calamagrostio pseudophragmitae–Typhetum minimae</i> Dihoru 1971 Hygrophilous reeds of the river bed margins or the surrounding of oxbow lakes in montane belt of Tajikistan
PHR-AF	All. <i>Magno-Caricion gracilis</i> Géhu 1961 Sedge-bed marsh vegetation on mesotrophicorganic sediments of Eurasia
PHR-AF-01	Ass. <i>Caricetum ripariae</i> Máthé et Kovács 1959 Sedge-bed marsh vegetation in littoral zone of lakes and ponds in montane and colline belts of Tajikistan
PHR-AF-c01	Community of <i>Carex melanostachya</i> Sedge-bed marsh vegetation in littoral zone of lakes and ponds in western Tajikistan
PHR-AF-c02	Community of <i>Carex diluta</i> Sedge-bed marsh vegetation on peaty substrates of lake littoral zone in western Tajikistan

Fen and mire vegetation of boreal and hemiboreal Eurasia

SCH	Cl. Scheuchzerio-Caricetea nigrae Tüxen 1937
SCH-A	O. <i>Caricetalia orbicularis</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et M. Hájek 2021 Fens of the alpine and upper montane belts of mountain ranges in the Irano-Turanian region
SCH-AA	All. <i>Dactylorhizo umbrosae-Caricion orbicularis</i> A. Nowak, M. Nobis, S. Nowak et V. Plášek 2016 Fen and mire vegetation of the Irano-Turanian region
SCH-AA-01	Ass. <i>Allietum fedtschenkoani</i> A. Nowak, M. Nobis, S. Nowak et V. Plášek 2016 Fen vegetation of the alpine passes and flat valleys in western Pamir-Alai, Hindu Kush and central Tian Shan Mts.
SCH-AA-02	Ass. <i>Eleocharito quinqueflorae-Primuletum iljinskii</i> A. Nowak, M. Nobis, S. Nowak et V. Plášek 2016 nom. corr. Fen vegetation on gentle slopes and valley bottoms in alpine belt of western Pamir-Alai Mts.
SCH-AA-03	Ass. <i>Primulo auriculatae-Caricetum kotschyanae</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021 Mire vegetation of montane and alpine belts of Alborz Mts.
SCH-AA-04	Ass. <i>Primulo auriculatae-Pedicularietum rotundatae</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021 Dense fen swards in the alpine belt of the Alborz Mts.
SCH-AA-05	Ass. <i>Primulo auriculatae-Trichophoretum pumili</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021 Sparse, grazed fen vegetation of Alborz Mts.
SCH-AA-06	Ass. <i>Pediculari sibthorpii-Ranunculetum amblyolobi</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021 Fen vegetation on the mineral and base-rich, sometimes subhalophytic alluvial flats of large mountain rivers and gentle slopes in Alborz Mts.
SCH-AA-07	Ass. <i>Swertio longifoliae-Caricetum iranicae</i> A. Naqinezhad, A. Nowak, M. Nobis, S. Nowak, S. Świerszcz et A. Kamrani 2021 Fens on base-rich substrates on wet alluvial fans, bottoms of U-shaped valleys or in less waterlogged sloping springs in the high montane or subalpine belts of central Alborz Mts.
SCH-AA-c01	Community of <i>Oxytropis riparia</i> Forb fen vegetation of montane to alpine belts of the western Pamir-Alai Mts.
SCH-AA-c02	Community of <i>Inula rhizocephala</i> Heavily grazed mires and fens in flats of U-shaped valleys in Middle Asia
SCH-AA-c03	Community of <i>Triglochin maritima</i> and <i>Blysmum compressus</i> Initial fen vegetation on peaty substrates with water outflows of Pamir-Alai
SCH-AA-c04	Community of <i>Blysmus compressus</i> and <i>Philonotis fontana</i>

SCH-AA-c05	Initial fen vegetation on peaty substrates with water outflows of Pamir-Alai Community of <i>Allium atrosanguineum</i> Fen vegetation on peaty substrates with water outflow in the alpine belt of Middle & Central Asia
SCH-AA-08	Shrubby group Ass. <i>Salicetum schugnanicae</i> A. Nowak et M. Nobis in Nowak et al. 2013 Alpine, groundwater-fed shrubby fen vegetation of western Pamir-Alai
SCH-AA-c07	Community of <i>Salix caesia</i> Dwarf shrub alpine vegetation on rivulets banks and flats in Tian Shan Mts.
SCH-AB	All. <i>Alopecurion mucronati</i> A. Nowak, A. Naqinezhad, M. Nobis, S. Nowak, S. Świerszcz et M. Hájek 2021 in Naqinezhad et al. 2021 Fens of continental, eastern Irano-Turanian subregion, including Pamir
SCH-AB-01	Ass. <i>Swertio marginatae-Caricetum regelianae</i> A. Nowak, A. Naqinezhad, M. Nobis, S. Nowak et S. Świerszcz 2021 in Naqinezhad et al. 2021 Alpine fens of flat bottoms of river valleys and post-glacial flattenings in eastern Tajikistan and the central and western Tian Shan
SCH-AB-02	Ass. <i>Caricetum pseudofoetidae</i> A. Nowak, M. Nobis, S. Nowak et V. Plášek 2016 Alpine species-poor fens of neutral peaty soils in flat valley bottoms of the Pamir and the eastern Pamir-Alai
SCH-AB-03	Ass. <i>Pediculari rhinanthoidis-Primuletum pamiricae</i> A. Nowak, A. Naqinezhad, M. Nobis, S. Nowak et S. Świerszcz 2021 in Naqinezhad et al. 2021 Alpine to subnival fens of the eastern Pamir
SCH-AB-c01	Community of <i>Oxytropis humifusa</i> Initial fens of the rivulet flats of the alpine and subnival belt in the eastern Pamir and Tian Shan
SCH-AB-c02	Community of <i>Trollius liliacinus</i> Initial fens of the rivulet flats of the alpine belt in central and eastern Tian Shan Mts.
SCH-AB-c03	Community of <i>Ranunculus alaiensis</i> Intensively grazed fens in alpine belt of of Pamir-Alai and western Tian Shan

Annual weed segetal vegetation of arable crops, gardens and vineyards in the cool-temperate and boreal zones of Eurasia

PAR	Cl. <i>Papaveretea rhoeadis</i> S. Brullo et al. 2001
PAR-A	<i>O. Turgenio latifoliae-Roemerietalia refractae</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2013 Annual weed segetal vegetation of arable crops, gardens and vineyards in Irano-Turanian region
PAR-AA	All. <i>Lathyrion sativi</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2013 Weed vegetation of cereal crops on sandy soils in the Pamir
PAR-AA-01	Ass. <i>Lathyretum sativi</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2013 Weed vegetation of cereal crops on sandy soils in the southern Pamir
PAR-AA-c01	Community of <i>Scleranthus annuus</i> Weed vegetation of cereal crops on sandy, poorly developed soils
PAR-AB	All. <i>Cirsion incani</i> nom. prov. Weed vegetation of cereal crops on poor, sandy or gravelly soils in Middle Asia
PAR-AB-01	Ass. <i>Asperugini procumbentis-Cannabietum ruderalis</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2013 nom. corr. Weed vegetation of cereal crops on poor, sandy or loessic soils
PAR-AC	All. <i>Aveno trichophyllae-Euphorbion falcatae</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2013 Weed, calcicole vegetation of crops in Middle Asia
PAR-AC-01	Ass. <i>Caucalido platycarpi-Vicietum michauxii</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2014 Calcicole weed vegetation of cereal crops on gravelly soils in Middle Asia
PAR-AC-02	Ass. <i>Vicietum hyrcanico-peregrinae typicum</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2013 Calcicole weed vegetation on brown, clayey soils in Middle Asia

PAR-AC-02a	Subass. <i>Vicietum hyrcanico-peregrinae garhadioletosum angulosi</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2013
PAR-AC-02b	Subass. <i>Vicietum hyrcanico-peregrinae anchusetosum italicae</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2013
PAR-AC-03	Ass. <i>Eremodaucio lehmannii-Lagonychietum farcti</i> S. Nowak, A. Nowak, M. Nobis, A. Nobis 2013
	Thermophilous weed vegetation of cereal crops and wastelands in southern Middle Asia
PAR-AC-c01	Community of <i>Chenopodium glaucum</i> and <i>Ch. rubrum</i>
	Weed vegetation of cereal crops in flooded fields in the river valleys
PAR-AC-c02	Community of <i>Scandix pecten-veneris</i>
	Weed vegetation of cereal crops on calcareous habitats
	Weed vegetation of root crops and gardens in Irano-Turanian region
PAR-AD	All. <i>Spergulo arvensis-Erodion cicutariae</i> J. Tüxen in Passarge 1964
	Weed vegetation of root crops on brown, moderately fertile soils in eastern and central Tajikistan
PAR-AD-01	Ass. <i>Convolvulo arvensis-Cyperetum rotundi</i> Carretero et Aguilera ex Ninot, X. Font, Masalles et Vigo 2011
	Irrigated or flooded weed vegetation of maize, potato, tomato, leek and, rarely, in parsley plantations
PAR-AD-01a	Subass. <i>Convolvulo arvensis-Cyperetum rotundi kochietosum scopariae</i> S. Nowak et A. Nowak 2013
	Weed vegetation of root crops in irrigated fields on poor sandy soils in western Tajikistan
PAR-AD-02	Ass. <i>Daturo stramonii-Hibiscetum trioni</i> Bagrikova (1996) 1997
	Weed vegetation on irrigated fields with mainly cotton plantations in Tajikistan
PAR-AD-03	Ass. <i>Setario pumilae-Sorghetum halepensi</i> Ștefan et Oprea 1997
	Weed vegetation on irrigated fields with mainly potato or lentil plantations in Tajikistan
PAR-AD-04	Ass. <i>Equiseto arvensis-Xanthietum italici</i> Kolev 1976
	Weed, thermophilous vegetation in maize, lentil, potato, sunflower, and tomato plantations in south-western Pamir-Alai
PAR-AD-c01	Community of <i>Chrysanthemum coronarium</i>
	Weed, thermophilous vegetation of lentil, potato, sunflower, and tomato plantations in the eastern Irano-Turanian region
PAR-AE	All. <i>Oxalidion fontanae</i> Passarge 1978
	Weed vegetation on mesic soils and wastelands of Middle Asia
PAR-AE-01	Ass. <i>Galinsogo-Setarietum</i> (R. Tx. et Beck. 1942) R. Tx. 1950
	Weed vegetation of different crop types and ruderal habitats in western Tajikistan
PAR-AF	All. <i>Veronico-Euphorbion</i> Sissingh ex Passarge 1964
	Weed vegetation of different root crops in western Tajikistan
PAR-AF-01	Ass. <i>Brassico campestris-Lamietum amplexicauli</i> S. Nowak et A. Nowak 2013
	Weed vegetation of root and cereal crops in central and eastern Tajikistan
Weed vegetation of the rice fields of Eurasia	
ORY	Cl. <i>Oryzetea sativae</i> Miyawaki 1960
ORY-A	O. <i>Cypero-Echinochloetalia oryzoidis</i> O. Bolòs & Masclans 1955
ORY-AA	All. <i>Oryzo sativae-Echinochloion oryzoidis</i> O. Bolòs & Masclans 1955 [Syn. <i>Oryzion sativae</i> Koch 1954]
	Weed vegetation of eutrophic to hypertrophic waters of rice fields in Middle Asia
ORY-AA-01	Ass. <i>Oryzo sativae-Echinochloetum cruris-galli</i> Soó ex Ubrizsy 1948
	Weed vegetation of eutrophic rice paddy fields in Tajikistan
ORY-AA-02	Ass. <i>Ammanietum auriculato-multiflorae</i> A. Nowak, S. Nowak, M. Nobis 2013
	Thermophilous weed vegetation of shallow rice paddy fields in southern Tajikistan
ORY-AA-03	Ass. <i>Bolboschoenetum planiculmis</i> Miyawaki 1960
	Weed vegetation of rice paddy fields and pools in Middle Asia

ORY-AA-04	Ass. <i>Typho angustifoliae-Scirpetum mucronati</i> Tallon 1950 Weed vegetation of eutrophic rice paddy fields in western Tajikistan
ORY-AA-05	Ass. <i>Sagittarietum trifoliae</i> A. Nowak, S. Nowak, M. Nobis 2013 Weed vegetation of eutrophic rice paddy fields in western Tajikistan
ORY-AA-c01	Community of <i>Paspalum distichum</i>

Subcosmopolitan therophyte-rich dwarf-herb vegetation of trampled habitats

POE	Cl. <i>Polygono arenastri-Poëtea annuae</i> Rivas-Martínez 1975 corr. Rivas-Martínez et al. 1991
POE-A	O. <i>Polygono arenastri-Poetalia annuae</i> Tx. in Géhu et al. 1972 corr. Rivas-Martínez et al. 1991
POE-AA	All. <i>Saginion procumbentis</i> Tüxen et Ohba in Géhu et al. 1972 Widespread annual vegetation of wetter, trampled habitats with considerable share of bryophytes in Tajikistan
POE-AA-01	Ass. <i>Sagino procumbentis-Bryetum argentei</i> Diemont et al. 1940 Widespread therophyte vegetation of trampled habitats of Tajikistan
POE-AB	All. <i>Polygono-Coronopodion</i> Sissingh 1969
POE-AB-01	Ass. <i>Coronopodo procumbentis-Sclerochloetum durae</i> Br.-Bl. in Br.-Bl., Gajewski, Wraber & Walas 1936 Vegetation of trampled road verges in Eurasia, including Middle Asia
POE-AC	All. <i>Atriplicion</i> Passarge 1978
POE-AC-01	Ass. <i>Cynodonto dactyli-Atriplicetum tataricae</i> Morariu 1943 Nitrophilous, often irrigated vegetation of road verges in southern Tajikistan

Thermophilous grass-rich anthropogenic vegetation rich in summer-annual C4 species

DIG	Cl. <i>Digitario sanguinalis-Eragrostietea minoris</i> Mucina, Lososová et Šilc in Mucina et al. 2016
DIG-A	O. <i>Euphorbietalia prostratae</i> Vicedo et al. 1997
DIG-AA	All. <i>Euphorbion prostratae</i> Rivas-Mart. 1976 Thermophilous vegetation of anthropogenic, often trampled habitats in Middle Asia
DIG-AA-01	Ass. <i>Amarantho blitoidis-Tribuletum terrestris</i> Dubyna, Dziuba et Vakarenko 2018 Thermophilous vegetation of pavements, road verges and crop fields in Tajikistan
DIG-AA-02	Ass. <i>Malvo neglectae-Chenopodietum vulvariae</i> Gutte 1972 Thermophilous and nitrophilous vegetation of ground roads and backyards in Tajikistan
DIG-AA-03	Ass. <i>Portulacetum oleraceae</i> Felföldy 1942 helo-thermophilous vegetation of pavements and road verges in Tajikistan
DIG-AA-04	Ass. <i>Cynodontetum dactyli</i> Gams 1927 Anthropogenic, often watered matts on road verges, city parks and irrigated fields
DIG-AA-c01	Community of <i>Alhagi kirghizorum-Chrozophora tinctoria</i> Ruderal, nitrophilous vegetation of road verges and backyards in lowlands and colline belt of Tajikistan
DIG-AA-c02	Community of <i>Malva neglecta</i> Nitrophilous ruderal vegetation of trampled habitats
DIG-AA-c03	Community of <i>Chenopodium murale</i> Ruderal, nitrophilous vegetation of road verges and backyards in Tajikistan
DIG-AA-c04	Community of <i>Dysphania botrys</i> Nitrophilous vegetation of gravelly habitats on road verges, escarpments and in backyards in Tajikistan
DIG-AA-c05	Community of <i>Eragrostis cilianensis</i> Ruderal vegetation of road verges in northern Tajikistan and Central Asia
DIG-AA-c06	Community of <i>Duchesna indica</i>

DIG-AA-c07	Ruderal, often watered vegetation of lawns, flowerbeds and urban green areas Community of <i>Geranium sibiricum</i>
DIG-AA-c08	Ruderal, anthropogenic vegetation of railways, road verges and urban green areas Community of <i>Xeranthemum longipapposum</i>
DIG-AA-c09	Ruderal, anthropogenic vegetation of railways, road verges and urban green areas Community of <i>Acalypha australis</i>
DIG-AA-c10	Ruderal, anthropogenic vegetation of ditches, road verges and urban green areas Community of <i>Ipomoena purpurea</i> Ruderal, anthropogenic vegetation of railways, road verges and urban green areas

Perennial xerophytic ruderal vegetation

ART.	Cl. Artemisietea vulgaris Lohmeyer et al. in Tx. ex von Rochow 1951
ART-A	O. <i>Elytrigio repentis-Dittrichietalia viscosae</i> Mucina in Mucina et al. 2016
ART-AX	All. unknown
ART-AX-01	Ass. <i>Artemisio annuae-Dittrichietum graveolens</i> A. Nowak, S. Świerszcz, S. Nowak, M. Nobis 2024 Xerophytic, ruderal vegetation of road verges in western Tajikistan
ART-AX-02	Ass. <i>Hyoscyamo nigri-Conietum maculati</i> Slavnić 1951 Ruderal, nitrophilous vegetation of backyards and dumping places
ART-AX-c01	Community of <i>Rubus praecox</i> Ruderal hedgerows on road verges, along walls and fences
ART-AX-c02	Community of <i>Urtica cannabina</i> Ruderal, nitrophilous vegetation of backyards and dumping places in Central Asia
ART-AX-c03	Community of <i>Onopordum acanthium</i> Ruderal, helo-xerophytic vegetation of roadsides and other arid habitats in Tajikistan
ART-AX-c04	Community of <i>Onopordum leptolepis</i> ruderal, helo-xerophytic vegetation of roadsides and other arid habitats in Tajikistan
ART-AX-c05	Community of <i>Silybum marianum</i> Ruderal, nitrophilous vegetation of backyards and dumping places
ART-AX-c06	Community of <i>Crambe orientalis</i> Ruderal vegetation of wastelands and fallow lands in Tajikistan
ART-AX-c07	Community of <i>Aster salignus</i> Ruderal vegetation of roadsides and fallow lands in Tajikistan

Therophyte-rich zoogenic vegetation of mammal lairs under stoneoverhangs in the mountains of Europe, Middle East, Central Asia and southern Africa

SIS	Cl. Sisymbrietea Gutte et Hilbig 1975
SIS-A	O. <i>Hackelio deflexae-Blitetalia foliosi</i> Mucina 2016
SIS-AX	All. unknown
SIS-AX-c01	Community of <i>Galium verticillatum</i> and <i>Asperugo procumbens</i> Nitrophilous vegetation of sheep and goat lairs under the rock walls or along summer barns in Middle Asia

Summer-annual pioneer vegetation of seasonally flooded nutrient-rich river alluvia, lacustrine banks and heavily nutrient loaded anthropogenic habitats of Eurasia

BID	Cl. Bidentetea tripartitae Tüxen et al. ex von Rochow 1951
BID-A	O. <i>Bidentetalia tripartitae</i> Br.-Bl. et R.Tx. ex Klika et Hadač 1944
BID-AA	All. <i>Chenopodion rubri</i> (Tüxen 1960) Hilbig et Jage 1972
BID-AA-01	Ass. <i>Symphyotricho graminifolii-Chenopodietum rubri</i> A. Nowak, S. Nowak, M. Nobis 2013

BID-AB	Weed vegetation of damp habitats of paddy fields in western Tajikistan
BID-AB-c01	<p>All. <i>Bidention tripartitae</i> Nordhagen ex Klika et Hadač 1944</p> <p>Community of <i>Bidens frondosa</i></p> <p>Anthropogenic vegetation of ditches, rice fields and artificial ponds, mainly in western Tajikistan</p>
BID-AB-c02	<p>Community of <i>Juncus nastanthus</i></p> <p>Vegetation of summer therophytes on mud deposits in lake shorelands in western Tajikistan</p>