

CHECK-LIST OF DOLICHOPODIDAE (DIPTERA, BRACHYCERA) SPECIES IN BULGARIA

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ABSTRACT. A check-list of 109 Dolichopodidae species (with faunistic data) is given. The genera *Ortochile* and *Chrysotimus*, and the species *Ortochile unicolor*, *Chrysotimus molliculus*, *Hercostomus longiventris*, *Hercostomus nanus* and *Poecilobotrus comitalis* are newly recorded to the fauna of Bulgaria. New localities of 30 species are given herein too.

KEY WORDS. Diptera, Brachycera, Dolichopodidae, Check-list, Bulgaria.

INTRODUCTION

First data about the family in Bulgaria are given by NEDELKOV (1909, 1912), who reported 12 species. Then PARENT (1938) added six species and CASPERS (1951) - one species. BESHOVSKI (1964, 1967, 1971, 1972a,b, 1973) announced 62 species from the Bulgarian Black Sea area and in 1966 he described a new species – *Epithalassius stackelbergi*. Other 7 species was published by NEGROBOV (1991), and POLLET (1996) announced the species *Achalculus flavicollis* collected in Bulgaria. OLEJNÍČEK (1999) described a new species from Bulgaria – *Chrysotus polleti*. BESHOVSKI and DZHAMBAZOV (2002) added to the list 9, and KECHEV (in press) - 3 species more.

MATERIAL AND METHODS

The list below contains all the species of Dolichopodidae known in Bulgaria till now. Authors, publishing the species, and localities (see Fig. 1 and 2, and Table 1) are pointed out. (only the species enumerated in the monography of PARENT, 1938 and in the catalogue of NEGROBOV, 1991 are not given faunistic data about). New localities for 30 species are given herein.

The new species to the fauna of Bulgaria are marked with an asterisk, and the new genera - with two asterisks

CHECK-LIST

I. SUBFAMILY DIAPHORINAE

Genus *Argyra* Macquart, 1834

1. *Argyra atriceps* Loew, 1857
Negrobov, 1991
2. *Argyra leucocephala* (Meigen, 1824)
Negrobov, 1991.
New locality: Veleka river, BS, UTM: NG75.
3. *Argyra vestita* (Wiedemann, 1817)
= *Leucostola vestita* (Wiedemann, 1817)
Beschovski, 1967, Topolite, BN, UTM: NH68.

Genus *Chrysotus* Meigen, 1824

4. *Chrysotus gramineus* (Fallèn, 1823)
Negrobov, 1991.
New locality: h. Parangalitsa, RPR, UTM: FM 95; Yundola, RRW, UTM: GM36.
5. *Chrysotus palustris* Verrall, 1876
Beschovski, 1972a, Varna, BN, UTM:NH78.
6. *Chrysotus pennatus* (Lichtwardi, 1902)
Kechev (in press), v. Grohotno, RRW, UTM: KG82, Hrabrino, RRW, UTM: LG05.
7. *Chrysotus polleti* Olejníček, 1999
Mocek, 1988, Primorsko, BS, UTM: NG67.
8. *Chrysotus pulchellus* Kowarz, 1874
Beschovski, 1967, Ivailovgrad, RRE, UTM: MF29.
New localities: Bachkovo, RRW, UTM: LG24, Yundola, RRW, UTM:GM36, Blatska, RRW, UTM:GM30.
9. *Chrysotus suavis* Loew, 1857
Beschovski, 1972a, Durankulak lake, BN, UTM: PJ23, Varna, BN, UTM: NH68, Topolite, BN, UTM: NH68, Pleven, DM, UTM: LJ00.
New locality: Dolni Voden, RRW, UTM:LG29.

Genus *Melanostolus* Kowarz, 1884

10. *Melanostolus nigricilius* (Loew, 1871)
Beschovski, 1967, Ezerovo, BN, UTM: NH68

II. SUBFAMILY DOLICHOPODINAE

Genus *Dolichopus* Latreille, 1796

Subgenus DOLICHOPUS Latreille, 1796

11. *Dolichopus (s.str.) albipalpus* Negrobov, 1973
Beschovski and Dzhambazov, 2002, "Okoto" lake, RPP.
12. *Dolichopus (s.str.) excisus* Loew, 1859
Beschovski, 1967, Topolite, BN, UTM: NH68.
13. *Dolichopus (s.str.) excisus siculus* Loew, 1859
Beschovski, 1967, Ropotamo, BS, UTM: NG58, Harmanli, PT, UTM: MG04.
14. *Dolichopus (s.str.) griseipennis* Stannius, 1831
Nedelkov, 1912, Pancharevo, PKV, UTM: FN91.
New localities: Gorni Voden, RRW, UTM: LG29, h. Zdravets, RRW, UTM: LG05.
15. *Dolichopus (s.str.) latilimbatus* Maquart, 1827
Beschovski, 1973, Sozopol, BS, UTM: NG59
16. *Dolichopus (s.str.) longisetosus* Negrobov, 1973
Beschovski and Dzhambazov, 2002, Petrohan, SBW, UTM: FN77
17. *Dolichopus (s.str.) nigricornis* Meigen, 1824
Beschovski, 1967, Topolite, BN, UTM: NH68
18. *Dolichopus (s.str.) nitidus* Fallèn, 1823
Nedelkov, 1912, Pancharevo, PKV, UTM: FN91
19. *Dolichopus (s.str.) nubilis* Meigen, 1824
Beschovski, 1967, Durankulak lake, BN, UTM: PJ23, Mramor, PBC, UTM: MG55
20. *Dolichopus (s.str.) pennatus* (Meigen, 1824)
Kechev, (in press), Yundola, RRW, UTM: GM36
21. *Dolichopus (s.str.) plumipes* (Scopoli, 1763)
Beschovski, 1971, Varna, BN, UTM: NH78
New locality: Yundola, RRW, UTM: GM36.
22. *Dolichopus (s.str.) plumitarsis* Fallèn, 1823
Negrobov, 1991
23. *Dolichopus (s.str.) pyrenaicus* Parent, 1920
Beschovski and Dzhambazov, 2002, Vihren hut, RPP, UTM: FM92
24. *Dolichopus (s.str.) sabinus* Haliday, 1838
Beschovski, 1967, Durankulak lake, BN, UTM: PJ23, Topolite, BN, UTM: NH68,
Varna, BN, UTM: NH78.
New locality: Hrabrino, RRW, UTM: LG05.
25. *Dolichopus (s.str.) salictorum* Loew, 1871
Beschovski, 1971, Topolite, BN, UTM: NH68.
26. *Dolichopus (s.str.) signifer* Haliday, 1838
Beschovski, 1967, Durankulak lake, BN, UTM: PJ23, Topolite, BN, UTM: NH68
New locality: Hrabrino, RRW, UTM: LG05, h. Zdravets, RRW, UTM: LG05.
27. *Dolichopus (s.str.) simplex* Meigen, 1824

Beschovski and Dzhambazov, 2002, Plana Mts, PVP, UTM: FN90, GN00, Skravena village, SBW, UTM: GN25, Vehtino village, RRE, UTM: LG30.

New locality: Yundola, RRW, UTM: GM36.

28. *Dolichopus (s.str.) strigipes* (Verrall, 1857)

Beschovski, 1967, Topolite village, BN, UTM: NH68, Burgas, BS, UTM: NH30.

29. *Dolichopus (s.str.) ungulatus* (Linnaeus, 1758)

Negrobov, 1991.

New localities: Yundola, RRW, UTM: GM36, Kesten, RRW, UTM: KG80.

Subgenus MACRODOLICHOPUS Stackelberg, 1933

30. *Dolichopus (Macrodolichopus) diadema* Haliday, 1832

Beschovski, 1967, Varna, BN, UTM: NH78, Ezerovo, BN, UTM: NH68, Burgas, BS, UTM: NH30, Pomorie, BS, UTM: NH41, Janino village, RRE, UTM: LF58

Genus *Hercostomus* Loew, 1857

Subgenus HERCOSTOMUS Loew, 1857

31. *Hercostomus (s.str.) aerosus* (Fallèn, 1823)

Beschovski and Dzhambazov, 2002, dam "Batak", RRW, UTM: KG65.

Stoyanovo, SPM, UTM: LH07.

32. *Hercostomus (s.str.) bicolor* (Macquart, 1827)

Parent, 1938.

33. *Hercostomus (s.str.) celer* (Meigen, 1824)

Beschovski, 1967, Smoljan, RRW, UTM: LG00.

New locality: Ustina, RRW, UTM: KG95.

34. *Hercostomus (s.str.) chrysozygos* (Wiedemann, 1817)

Negrobov, 1991.

New locality: Bachkovo, RRW, UTM: LG24.

35. *Hercostomus (s.str.) fugax* (Loew, 1857)

Parent, 1938.

New locality: Pamporovo, RRW, UTM: LG01.

36. *Hercostomus (s.str.) labiatus* (Loew, 1871)

Beschovski and Dzhambazov, 2002, Vihren hut, RPP, UTM: FM92.

*37. *Hercostomus (s.str.) longiventris* (Loew, 1857)

Kechev, Koprivkite, RRW, UTM: LG05.

*38. *Hercostomus (s.str.) nanus* (Macquart, 1827)

Kechev, Veleka river, BS, UTM: NG75.

39. *Hercostomus (s.str.) rusticus* (Meigen, 1824)

Beschovski and Dzhambazov, 2002, Plana Mts, PVP, UTM: FN90, GN00.

New locality: Boykovo, RRW, UTM: LG05.

40. *Hercostomus (s.str.) sahlbergi* (Zetterstedt, 1838)

Nedelkov, 1912, Ibar river, RPR, UTM: GM28

Subgenus POECILOBOTHRUS Mik, 1878

- *41. *Hercostomus (Poecilobotrus) comitalis* (Kowarz, 1867)
Kechev, Veleka river, BS, UTM: NG75.
42. *Hercostomus (Poecilobotrus) fumipennis* (Stannius, 1831)
= *Poecilobothrus fumipennis* (Stannius, 1831)
Beschovski, 1967, Burgas, BS, UTM: NH30.
43. *Hercostomus (Poecilobotrus) nobilitatus* (Linnè, 1767)
Nedelkov, 1909, Pazardjik, PT, UTM: KG77, KG87.
New locality: Dobralak, RRW, UTM: LG14.
44. *Hercostomus (Poecilobotrus) regalis* (Meigen, 1824)
Parent, 1938.
Beschovski, 1971, Topolite, BN, UTM: NH68, Burgas, BS, UTM: NH30.
New locality: Chirpan, PT, UTM: LG67.

Genus Hypophyllus Haliday, 1832

45. *Hypophyllus crinipes* (Staeger, 1842)
Beschovski and Dzhambazov, 2002, Hrabrino, RRW, LG05, "Batak" dam, RRW,
UTM: KG65.

Genus Ludovicus Rondani, 1843

46. *Ludovicus impar* Rondani 1843
Olejníček, 1996, Georgi Traikov (Dolni Chiflik), BN, UTM: NH56.

****Genus Ortochile, Latrelle, 1809**

- *47. *Ortochile unicolor* (Loew, 1850)
Kechev, Kavatzite near Sozopol, BS, UTM: NG59.

Genus Tachytrechus Haliday, 1851

48. *Tachytrechus genualis* Loew, 1857
Nedelkov, 1912, Pancharevo, PKV, UTM: FN91.
49. *Tachytrechus insignis* (Stannius, 1831)
Nedelkov, 1912, Burgas, BS, UTM: NH30.
50. *Tachytrechus notatus* (Stannius, 1831)
Nedelkov, 1912, Pancharevo, PKV, UTM: FN91.
51. *Tachytrechus ripicola* Loew, 1857
Beschovski, 1967, Durankulak lake, BN, UTM: PJ23.

III. SUBFAMILY HYDROPHORINAE

Genus *Aphrosylus* Haliday, 1851

52. *Aphrosylus fuscipennis* in: Czerny and Strobl, 1909
Beschovski, 1973, All Bulgarian Black sea coast.
53. *Aphrosylus piscator* Lichtwardt, 1902
Beschovski, 1973, Galata cape, BS, UTM: NH78.
54. *Aphrosylus venator* Loew, 1857
Beschovski, 1964, Burgas, BS, UTM: NH30, Varna, BN, UTM: NH78.

Genus *Hydrophorus* Fallèn, 1823

55. *Hydrophorus balticus* (Meigen, 1824)
Beschovski, 1967, Gabirge (Pirin Mt.), RPP, Smoljan(Rhodopes), RRW, UTM: LG00.
New locality: Pamporovo, RRW, UTM: LG01.
56. *Hydrophorus praecox* (Lehmann, 1822)
Beschovski, 1964, Kamchia river, BN, UTM: NH76.
57. *Hydrophorus viridis* (Meigen, 1824)
Beschovski, 1967, Varna, BN, UTM: NH78.

Genus *Liancalus* Loew, 1857

58. *Liancalus virens* (Scopoli, 1763)
Nedelkov, 1912, Sofia, PVS, UTM: FN82, Pancharevo, PKV, UTM: FN91.

Genus *Orthoceratium* Schrank, 1803

59. *Orthoceratium lacustre* (Scopoli, 1763)
Beschovski, 1971, Burgas, BN, UTM: NH30.

Genus *Scellus* Loew, 1857

60. *Scellus notatus* (Fabricius, 1781)
Beschovski, 1967, Ljubimetz, RRE, UTM: MG23.
New localities: Markovo, RRW, UTM: LG15, Zdravets, RRW, UTM: LG05.

Genus *Schoenophilus* Mik, 1878

61. *Schoenophilus versutus* (Haliday in Walker, 1851)
Beschovski, 1967, Ljubimetz, RRE, UTM: MG23.

Genus *Thinophilus* Wahlberg, 1844

62. *Thinophilus flavipalpis* (Zetterstedt, 1843)

Nedelkov, 1912, Burgas, BS, UTM: NH30.

Beschovski, 1971, Topolite, BN, UTM: NH68.

63. *Thinophilus ruficornis* (Haliday, 1838)

Beschovski, 1967, Ezerovo, BS, UTM: NH20.

IV. SUBFAMILY MEDETERINAE

Genus *Medetera* Fischer von Waldheim, 1819

64. *Medetera diadema* (Lennè, 1767)

Nedelkov, Sofia, PVS, UTM: FN82, Pancharevo, PKV, UTM: FN91, Sevlievo, SPM, UTM: LH46, Elena, SBM, UTM: MH05, V. Tarnovo, SPM, UTM: LH87.

65. *Medetera glauca* Loew, 1869

Beschovski, 1967, Schabla, BN, UTM: PJ22.

66. *Medetera micacea* Loew, 1857

= *Oligochaetus micaceus* (Loew, 1857)

Beschovski, 1967, Topolite village, BN, UTM: NH68.

67. *Medetera petrophiloides* Parent, 1925

Beschovski, 1967, Topolite village, BN, UTM: NH68.

Genus *Thrypticus* Gerstäcker, 1864

68. *Thrypticus bellus* Loew, 1869

Beschovski, 1967, Durankulak lake, BN, UTM: PJ23, Varna, BN, UTM: NH78, Pleven, DM, UTM: LJ00.

New locality: Smoljan, RRW, UTM: LG00, LG10.

V. SUBFAMILY PELOROPEODINAE

****Genus *Chrysotimus* (Loew, 1857)**

*69. *Chrysotimus molliculus* (Fallèn, 1823)

Kechev, Hrabrino, RRW, UTM: LG05, Markovo, RRW, UTM: LG15.

Genus *Epithalassius* Mik, 1891

70. *Epithalassius caucasicus* Becker, 1918

Caspers, 1951, All Bulgarian Black sea coast.

71. *Epithalassius stackelbergi* Beschovski, 1966

Beschovski, 1966, Obzor, BS, UTM: NH74.

Genus Micromorphus Mik, 1878

72. *Micromorphus albiceps* (Zetterstadt, 1845)
Beschovski, 1967, Topolite, BS, UTM: NH68.

Genus Peloropeodes Wheeler, 1890

73. *Peloropeodes meridionalis* Parent, 1928
= *Anomalopyia meridionalis* (Parent, 1928)
Beschovski, 1967, Pleven, DM, UTM: LJ00.

Genus Vetimicrotes Dyte, 1980

74. *Vetimicrotes mediterraneus* (Becker, 1918)
= *Microtes mediterraneus* Becker, 1918
Beschovski, 1972b, Bulgarian Black sea coast.

VI. SUBFAMILY RHAPHIINAE

Genus Achalcus Loew, 1857

75. *Achalcus flavicollis* (Meigen, 1924)
Pollet, 1996, Kranevo, Baltata Forest, BN, UTM: NH89.

Genus Rhaphium Meigen, 1803

76. *Rhaphium fascipes* (Meigen, 1824)
Beschovski and Dzhambazov, 2002, Leshnitsa, SPM, UTM: LH17.

77. *Rhaphium laticorne* (Fallèn, 1823)
= *Porphyrops nemorum* Meigen, 1824
Nedelkov, 1912, Pancharevo, PKV, UTM: FN91

78. *Rhaphium macrocerum* Meigen, 1824
= (*Xiphandrium macrocerum* Mg.)
Beschovski, 1971, Shabla, BN, UTM: PJ22.
New localities: Dobralak, RRW, UTM: LG14, Gorni Voden, RRW, UTM: LG29,
Hrabrino, RRW, UTM: LG05.

79. *Rhaphium micans* (Meigen, 1824)
= *Porphyrips micans* Meigen, 1824
Nedelkov, 1912, Sofia, PVS, UTM: FN82.

80. *Rhaphium zetterstadti*, (Parent, 1925)
= (*Xiphandrium zetterstadti*, Parent, 1925)
Beschovski, 1976, Pleven, DM, UTM: LJ00.
New locality: Hrabrino, RRW, UTM: LG05.

VII. SUBFAMILY SCIAPODINAE

Genus *Sciapus* Zeller, 1842

81. *Sciapus contristans* (Wiedemann, 1817)
Beschovski, 1967, Grozdevo, BN, UTM: NH46
82. *Sciapus flavicinctus* (Loew, 1857)
Beschovski, 1971, Burgas, BS, UTM: NH30.
83. *Sciapus glauciscens* (Loew, 1856)
Beschovski, 1967, Varna, BN, UTM: NH78.
84. *Sciapus longulus* (Fallèn, 1823)
Beschovski, 1967, Popovitza, PT, UTM: LG46.
85. *Sciapus maurus* Parent, 1930
Parent, 1938.
86. *Sciapus opacus* (Loew, 1866)
Beschovski, 1971, Kamchia river, BN, UTM: NH76, Burgas, BS, UTM: NH30.
87. *Sciapus pallens* (Wiedemann, 1830)
Beschovski, 1967, Nessebar, BS, UTM: NH52.
88. *Sciapus platypterus* (Fabricius, 1805)
Beschovski, 1971, Shabla, BN, UTM: PJ22.
New locality: Markovo, RRW, UTM: LG15.
89. *Sciapus vialis* Raddatz, 1873
Beschovski, 1967, Kranevo, BS, UTM: NH89.

VIII. SUBFAMILY SYMPYCNINAE

Genus *Sympycnus* Loew, 1857

90. *Sympycnus cirrhipes* (Haliday in Walker, 1851)
Parent, 1938.
New localities: Markovo, RRW, UTM: LG15, Smoljan, RRW, UTM: LG00, LG10,
Pamporovo, RRW, UTM: LG01.
91. *Sympycnus pulicarius* Fallèn, 1823
= *Sympycnus annulipes* (Meigen, 1824)
Beschovski, 1967, Asenovgrad, RRW, UTM: LG29, Ivailovgrad, RRE, UTM: MF29,
Smoljan, RRW, UTM: LG00, LG10.
New localities: Yundola, RRW, UTM:GM36, Hrabrino, RRW, UTM: LG05.

Genus *Syntormon* Loew, 1857

92. *Syntormon aulicus* (Meigen, 1824)
= *Eutarsus aulicus* (Meigen, 1824)
Beschovski, 1967, Smoljan, RRW, UTM: LG00
93. *Syntormon filiger* Verrall, 1912

Beschovski, 1971, Burgas, BS, UTM: NH30.

94. *Syntormon fuscipes* (von Roser, 1840)

= *Syntormon spicatus* (Loew, 1857)

Beschovski, 1964, Varna, BN, UTM: NH78.

New localities: Hrabrino, RRW, UTM: LG05, Gorni Voden, RRW, UTM: LG25, Yundola, RRW, UTM: GM36, Dedovo, RRW, UTM: LG05.

95. *Syntormon monilis* (Walker, 1851)

Kechev, (in press), Hrabrino, RRW, UTM: LG05, Yundola, RRW, UTM: GM36.

96. *Syntormon pallipes* (Fabricius, 1794)

Beschovski, 1964, Kamchia river, BN, UTM: NH76.

97. *Syntormon pumilus* (Meigen, 1824)

Beschovski, 1967, Topolite, BN, UTM: NH68.

New locality: Gorni Voden, RRW, UTM: LG25.

98. *Syntormon rufipes* (Meigen, 1824)

Beschovski, 1967, Mramor, PBC, UTM: MG55.

Genus Lamprochromus Mik, 1878

99. *Lamprochromus speciosus* (Loew, 1871)

Beschovski, 1967, Ljubimetz, RRE, UTM: MG23

100. *Lamprochromus strobli* Parent, 1925

Beschovski, 1967, Topolite, BN, UTM: NH68

Genus Campsichnemos Haliday, 1851

101. *Campsichnemos curvipes* (Fallèn, 1823)

Beschovski, 1967, Nesseber, BS, UTM: NH52.

New localities: Bachkovo, RRW, UTM: LG24, Jagodina, RRW, UTM: KG71, Hrabrino, RRW, UTM: LG05, Dedovo, RRW, UTM: LG05.

102. *Campsichnemos filipes* Loew, 1859

Beschovski, 1971, Varna, BN, UTM: NH78.

103. *Campsichnemos magius* (Loew, 1845)

Beschovski, 1971, Galata cape, BN, UTM: NH78.

104. *Campsichnemos scambus* (Fallèn, 1823)

Beschovski, 1967, Grosdevo, BN, UTM: NH46.

105. *Campsichnemos simplicissimus* Strobl, 1906

Beschovski, 1973, Durankulak lake, BN, UTM: PJ23; Varna, BN, UTM: NH78.

106. *Campsichnemos umbripennis* Loew, 1856

Parent, 1938.

New localities: Boykovo, RRW, UTM: LG05, Dobralak, RRW, UTM: LG14, Jagodina, RRW, UTM: KG71.

Genus Teuchophorus Loew, 1857

107. *Teuchophorus monocanthus* Loew, 1859

Beschovski, 1967, Ezerovo, BN, UTM: NH68

New localities: Gorni Voden, RRW, UTM: LG29, Markovo, RRW, UTM: LG15.

108. *Teuchophorus spinigerellus* (Zetterstedt, 1843)

Beschovski, 1967, Topolite, BN, UTM: NH68.

IX. SUBFAMILY XANTHOCHLORINAE

Genus Xanthochlorus Loew, 1857

109. *Xanthochlorus tenellus* (Wiedemann, 1817)

Negrobov, 1991.

New localities: Hrabrino, RRW, UTM: LG05.

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СПИСЪК НА ВИДОВЕТЕ ОТ СЕМЕЙСТВО DOLICHOPODIDAE (DIPTERA: BRACHYCERA) В БЪЛГАРИЯ

Михаил О. Кечев

(Резюме)

Представен е списък на 109 вида от семейство Dolichopodidae известни за България до сега и техните находища. Пет от видовете (*Hercostomus longiventris*, *Hercostomus nanus*, *Poecilobotrus comitalis*, *Chrysotimus molliculus* и *Ortochile unicolor*) и два от родовете (*Chrysotimus* и *Ortochile*) са нови за фауната на България. Дадени са нови находища на 30 вида долихоподиди.

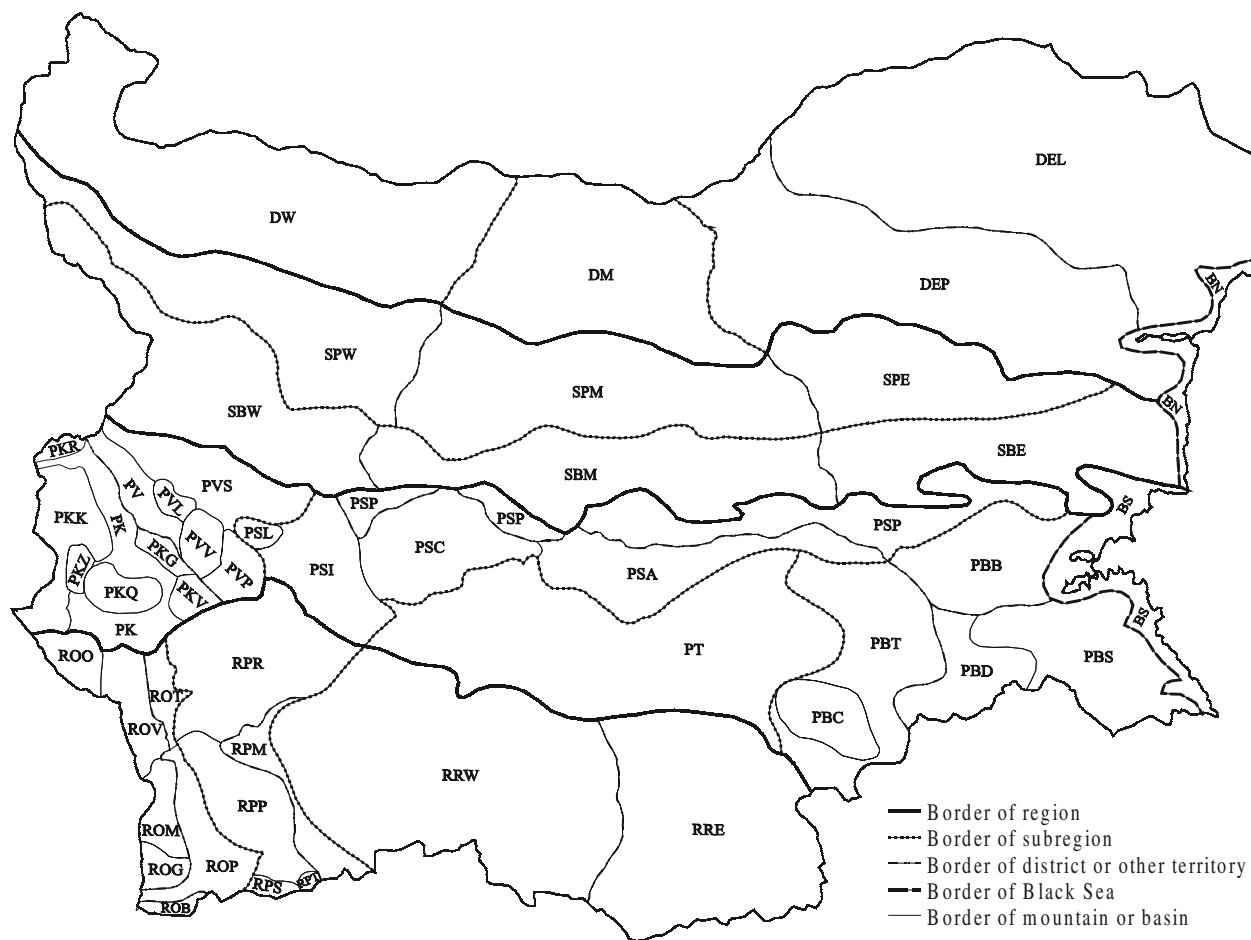


Fig. 1. Map of geographical regions (after Hubenov, 1997)

Table 1. Abbreviations used in the map (after Hubenov, 1997)

Territorial units	Abbreviations
STARA PLANINA RANGE SYSTEM	
Predbalkan	
Middle	SPM
Stara Planina Mts (Balkan)	
Western	SBW
DANUBIAN PLAIN	
Middle	DM
TRANSITIONAL REGION	
Kraishte-Konyavo district	
Verila Mt.	PKV
Vitosha district	
Plana Mt	PVP
Sofia Basin	PVS
Thracian Lowland	PT
Toundzha-Strandzha subregion	
Sakar Mt.	PBC
RILA-RHODOPE MASSIF	
Rila-Pirin group	
Rila Mt.	RPR
Pirin Mt.	RPP
Rhodope Mts	
Western	RRW
Eastern	RRE
BLACK SEA COAST	
Northern	BN
Southern	BS

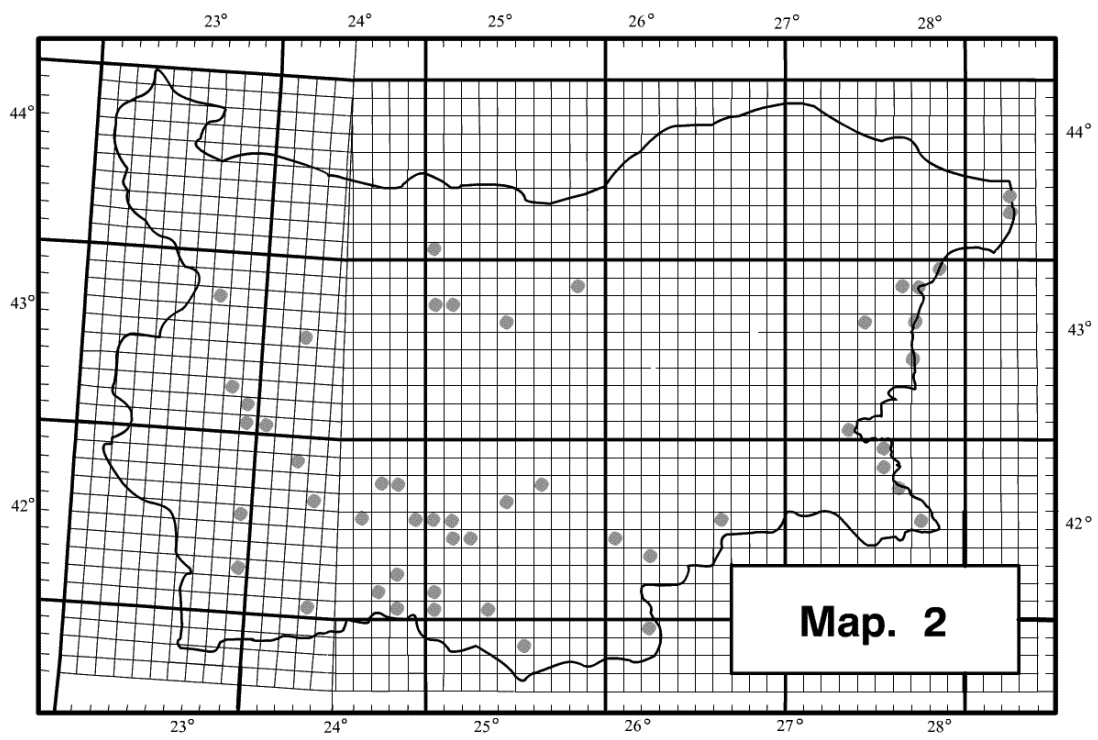


Fig. 2. UTM-map of Bulgaria with the localities

