

# 1

---

## European Atlas: Micropezids & Tanypezids (Diptera, Nerioidae & Diopsoidea)

**Darwyn P. Sumner**

Organiser of the UK Stilt & Stalk Fly Recording Scheme (Micropezids & Tanypezids)  
Series 1, Issue 1, Version 7 (June 2018)

### Keywords

NERIOIDEA; Pseudopomyzidae; Micropezidae; Micropezids; DIOPSOIDEA; Diopsidae; Tanypezidae; Strongylophthalmyiidae; Megamerinidae; Psilidae; Tanypezids; European Atlas; European Checklist; Open Access, biogeography

### Summary

Atlases of species distribution are of an ephemeral nature. In regions where recording is very active the pattern may change frequently and so producers of such atlases label them “provisional”, in expectation of the submission of further species occurrences from contributors. This work presents such an atlas at the broad European level and in so doing achieves a European Checklist of Nerioidae and Diopsoidea.

### Introduction

From time to time new discoveries are made and even a country checklist may be updated as species are gained or lost through a variety of mechanisms such as habitat loss, climate change, specialist expeditions or improved taxonomic knowledge.

Broaden the scope of the work to a European scale and the ephemeral nature becomes more acute. Here we begin to deal with additional problems of unstructured recording, expeditions that are never mounted due to personal safety in strife-torn regions, the paucity of skilled recorders, the enormous size of some regions and the difficulty in obtaining or translating published lists. Recent trends which obviate these problems to some extent are an increasing progression in papers available as Open Access, a notable tendency for modern papers to contain georeferenced locations, modern geospatial technology, online and desktop species-occurrence applications, amateur photography and websites which facilitate discussion of finds across wide regions or publish geospatial distribution at various levels of detail.

This atlas is a technical report and thus not refereed. Available as Open Access in electronic format and not intended for print. Contributions which amend this atlas are invited, contributors will be acknowledged in each successive version.

## Methods

- 1 Citations were collected and maintained in Elsevier's free Mendeley Desktop, a PDF and reference management application. Taxon names within each paper were added to the Tags section for filtering purposes.
- 2 Maps were developed using the free QGIS application in accordance to standards and free resources published by the Taxonomic Databases Working Group (TDWG) and presented in accordance to European Environment Agency (EEA) standards.
- 3 The Fauna Europaea online resource (the work of Ozerov (taxonomy), Beuk & Pape) was used to colour one map layer red for each taxon.
- 4 A second layer was added, coloured orange. To this were added all countries which the collected literature (country checklists and others) indicated were present in a particular country. This process did not include those countries already coloured red, there are no overlaps between the two layers. A total of 245 additions to the online Fauna Europaea list were thus made.
- 5 Cross-references [Author, (Year);] were obtained by filtering on each taxon in the My Tags section of the Mendeley collection, the shortened non-columnar format achieved using spreadsheet formulae.
- 6 After adding maps and cross-references to this document the Desk Top Publishing software "Table of Contents" command produced the Checklist.

### Maps

Maps are presented upon a background of European Regions (TDWG) and at "EEA Map extent 3c" (EEA) of the area termed "Pan-Europe". Thus two additional regions, "Turkey and the Aegean Islands" + "Caucasus" are depicted. The Diptera of Turkey are substantially covered by Ahmet Ö. Koçak and Muhabbet Kemal and some publications by Russian authors include records in the Caucasus.

#### Red

Country presence obtained from the online database Fauna Europaea (February 2018.)

#### Orange

Additional country presences determined from literature and other sources by the author.

### Cross-references

The literature for each taxon is presented as a cross-reference at each map. All orange-coloured countries have a cross-reference. Many Fauna Europaea sourced (red) countries are also cross-referenced. Their sources are not listed on their website or accessible to the author, consequently some are without such evidence.

### Nomenclature

Two significant changes have been made in recent years which may cause confusion with older checklists.

The scope of the genus *Neria* was clarified and revised by Ozerov (1987) who di-

vided the whole of the **Calobatinae** into *Calobata* Meigen, *Cnodacophora* Czerny, *Compsobata* Czerny, *Calobatella* Mik and *Neria* Robineau-Desvoidy.

In 2006, Buck & Ryan restored *Imantimyia* as a subgenus of *Loxocera*.

Some authors (Irwin & Roháček) consider that the whole *Chamaepsila* group is in need of revision.

## Discussion

Several solutions to the presentation of such atlases have been sought. Online databases provide one of the best as they permit updates and may be set up to cover an enormous range of taxa. All mechanisms and opportunities for researchers requiring up to date information though, are cumbersome throughout the entire sector of biogeographic species-occurrence recording.

A researcher must therefore verify the currency of information presented on such online sites before conducting further work on taxa. Tasks such as the choosing and using of the most appropriate identification keys within a country, identifying threatened species and devising conservation measures, exploratory spatial data analysis (Quinn & Keogh, 2002) through ecological or historical biogeography to distribution modelling (Franklin, 2009), building country or regional checklists and atlases or simply writing a paper on one single species all require this preliminary step in order to provide geospatial context.

Technical reports of this nature by an individual researcher are necessarily only correct at one point in time and to the extent to which the author is able to acquire information. Access to subscription journals is a barrier to this kind of research, exacerbated by copyright lengths exceeding a lifetime (e.g. Collin JE. 1959). Specialist libraries offer a partial solution, collaborative online bibliography sharing another. A Mendeley bibliography group for Micropezids and Tanypezids has been set up and several authors collaborate in ResearchGate.

## Acknowledgements

The majority of the literature obtained for this research has been Open Access, many thanks to those institutions who have made their material available in this way. Thanks also to colleagues, notably Peter Chandler, who have sent me copies of papers that otherwise would have proved difficult to obtain. I am also indebted to those who have shared species-occurrences and others who have shown an interest in this project (see Contributors)

## Biogeographic references

- Brummitt RK. 2001. World Geographical Scheme for Recording Plant Distributions Edition 2
- de Jong Y, Verbeek M, Michelsen V, Bjørn P de P, Los W, et al. 2014. Fauna Europaea – all European animal species on the web. Biodivers. Data J. 2:e4034
- Franklin J. 2009. Mapping species distributions: spatial inference and prediction. Board Memb. Landsc. Ecol. J. Veg. Sci. 336
- Gaston KJ. 2003. The Structure and Dynamics of Geographic Ranges. Oxford; New York: Oxford University Press
- Huggett RJ. 2005. Fundamentals of Biogeography, 2nd Edition, Vol. 43
- Lillethun A, Cryan S, Jessen T, Steenmans C. 2011. Guide for EEA map layout. . (August):1–22
- Lillethun A, Cryan S, Jessen T, Steenmans C. 2011. Map Colour Guide
- Quinn GP, Keough MJ. 2002. Experimental Design and Data Analysis for Biologists

## European Checklist

The following list is derived from published sources across Europe, including species known from Turkey and the Caucasus.

### Diptera: Nerioidae & Diopsoidea

#### Nerioidae (Micropezids)

##### Pseudopomyzidae

*Pseudopomyza atrimana* (Meigen, 1830) 5

##### Micropezidae

###### CALOBATINAE

*Calobata petronella* (Linnaeus, 1761) 6

*Cnodacophora sellata* (Meigen, 1826) 7

*Cnodacophora stylifera* (Loew, 1870) 8

*Neria cibaria* (Linnaeus, 1761) 9

*Neria commutata* (Czerny, 1930) 10

*Neria dentigera* (Loew, 1854) 11

*Neria ephippium* (Fabricius, 1794) 12

*Neria femoralis* (Meigen, 1826) 13

*Neria longiceps* (Loew, 1870) 14

*Neria nigricornis* (Zetterstedt, 1838) 15

*Neria octoannulata* (Strobl, 1899) 16

###### MICROPEZINAE

*Micropeza angustipennis* Loew, 1868 17

*Micropeza atripes* Bezzı, 1895 *species inquirenda* 18

*Micropeza brevipennis* von Roser, 1840 19

*Micropeza cingulata* Loew, 1868 20

*Micropeza corrugiolata* (Linnaeus, 1767) 21

*Micropeza grallatrix* Loew, 1868 22

*Micropeza hispanica* Bigot, 1886 23

*Micropeza kawalii* Gimmerthal, 1847 24

*Micropeza lateralis* Meigen 1826 25

*Micropeza nigra* (Loew, 1873) 26

###### TAENIAPTERINAE

*Rainieria calceata* (Fallén, 1820) 27

*Rainieria latifrons* (Loew, 1870) 28

#### Diopsoidea (Tanypezids)

##### Diopsidae

*Sphyracephala europaea* Papp & Foldvari, 1997 29

##### Tanypezidae

*Tanypeza longimana* Fallén, 1820 30

##### Strongylopalthalmyiidae

*Strongylopalthalmyia paula* Shatalkin, 1993 31

*Strongylopalthalmyia pictipes* Frey, 1935 32

*Strongylopalthalmyia ustulata* (Zetterstedt, 1847) 33

##### Megamerinidae Rondani, 1861

*Megamerina dolium* (Fabricius, 1805) 34

##### Psilidae

###### CHYLIZINAE

*Chyliza annulipes* Macquart, 1835 35

*Chyliza extenuata* (Rossi, 1790) 36

*Chyliza leguminicola* Melander, 1920 37

*Chyliza leptogaster* (Panzer, 1798) 38

*Chyliza nova* Collin, 1944 39

*Chyliza vittata* Meigen, 1826 40

#### PSILINAE

##### LOXOCERINI

*Loxocera aristata* (Panzer, 1801) 41

*Loxocera hoffmannseggii* Meigen, 1826 42

*Loxocera maculata* Rondani, 1876 43

*Imantimya albisetosa* (Schrank, 1803) 44

*Imantimya fulviventris* (Meigen, 1826) 45

*Imantimya nigritrons* (Macquart, 1835) 46

*Imantimya sylvatica* (Meigen, 1826) 47

##### PSILINI

*Psila (Oxypsla) abdominalis* Schummel, 1844 48

*Psila fimetaria* (Linnaeus, 1761) 49

*Psila helvetica* Shatalkin & Merz, 2010 50

*Psila merdaria* Collin, 1944 51

*Psila sibirica* (Frey, 1925) *incertae sedis* 52

*Psilosoma audouini* (Zetterstedt, 1835) 53

*Psilosoma lefebvrei* (Zetterstedt, 1835) 54

*Chamaepsila andreji* (Shatalkin, 1996) 55

*Chamaepsila atra* (Meigen, 1826) 56

*Chamaepsila bicolor* (Meigen, 1826) 57

*Chamaepsila buccata* (Fallén, 1826) 58

*Chamaepsila clunidis* (Collin, 1944) 59

*Chamaepsila confusa* Shatalkin & Merz, 2010 60

*Chamaepsila ephippium* (Zetterstedt, 1847) 61

*Chamaepsila gracilis* (Meigen, 1826) *incertae sedis* 62

*Chamaepsila humeralis* (Zetterstedt, 1847) 63

*Chamaepsila kaszabi* (Soós, 1974) 64

*Chamaepsila limbarella* (Zetterstedt, 1847) 65

*Chamaepsila longipennis* (Seguy, 1936) 66

*Chamaepsila luteola* (Collin, 1944) 67

*Chamaepsila martineki* Carles-Tolra, 1993 68

*Chamaepsila morio* (Zetterstedt, 1835) 69

*Chamaepsila nigra* (Fallén, 1820) 70

*Chamaepsila nigricornis* (Meigen, 1826) 71

*Chamaepsila nigrosetosa* Frey, 1925 72

*Chamaepsila nigrotaieta* (Strobl, 1899) 73

*Chamaepsila obscuritarsis* (Loew, 1856) 74

*Chamaepsila pallida* (Fallén, 1820) 75

*Chamaepsila pectoralis* (Meigen, 1826) 76

*Chamaepsila persimilis* (Wakerley, 1959) 77

*Chamaepsila problematica* Hennig, 1941 78

*Chamaepsila pseudobicolor* Soós, 1985 79

*Chamaepsila quadrilineata* (Strobl, 1898) 80

*Chamaepsila rosae* (Fabricius, 1794) 81

*Chamaepsila rozkosnyi* Carles-Tolra, 1993 82

*Chamaepsila rufa* (Meigen, 1826) 83

*Chamaepsila sardoa* (Rondani, 1876) 84

*Chamaepsila setalba* Freidberg & Shatalkin, 2008 85

*Chamaepsila strigata* (Collin, 1959) 86

*Chamaepsila tenebrica* (Shatalkin, 1986) 87

*Chamaepsila unilineata* (Zetterstedt, 1847) 88

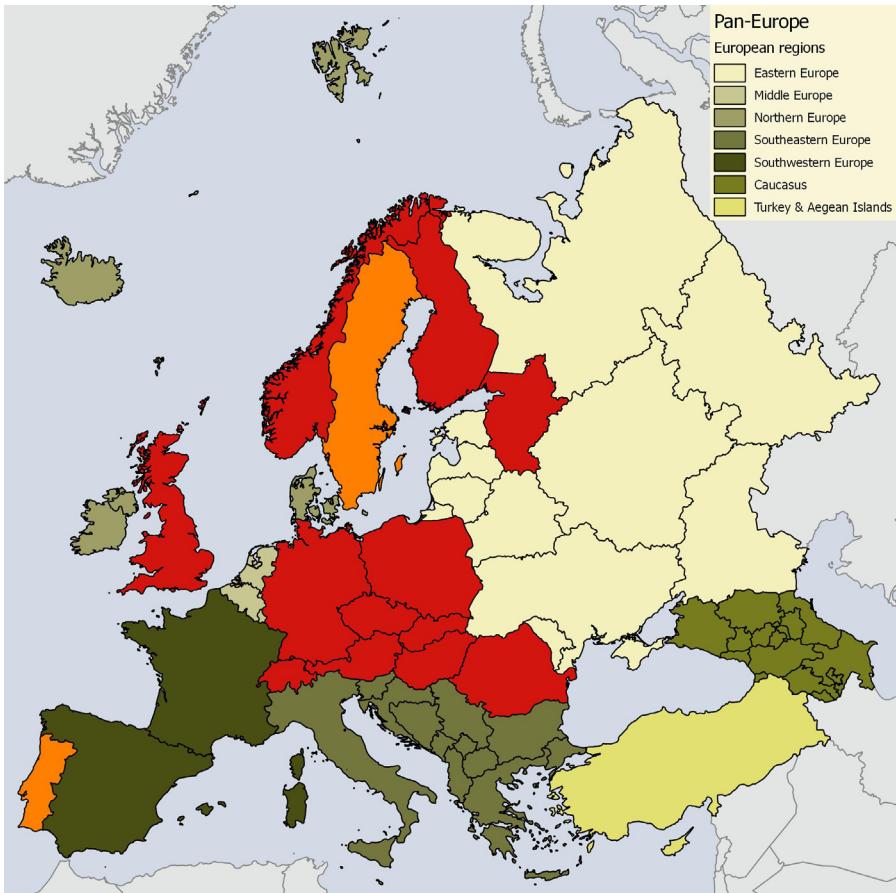
*Chamaepsila villosula* (Meigen, 1826) 89

## Country presence maps

### Neroidea (Micropezids)

#### Pseudopomyzidae

*Pseudopomyza atrimana* (Meigen, 1830)

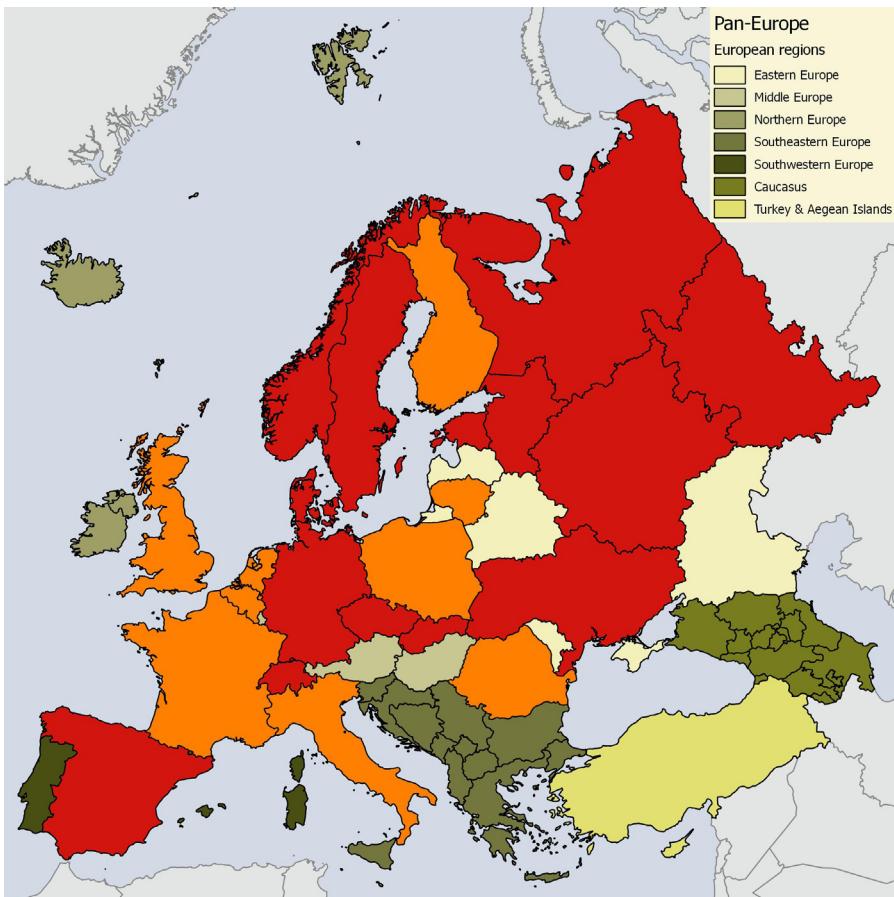


Andrade R, Gonçalves AR. (2014); Ceianu I. (1989); Chandler P (Ed. . (2010); Chandler PJ. (1983); Chvála M. (1997); Falk SJ, Ismay JW, Chandler PJ. (2016); Godfrey A. (1994); Greve L, Jonassen T. (1995); Jezek J. (1987); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014b); Kahanpaa J. (2011); McAlpine DK, Shatalkin AI. (1998); Nilsson-Örtman V. (2011); Papp L. (2003); Papp L. (2003); Papp L. (2009); Roháček J, Ševčík J. (2009); Roháček J. (2012); Roháček J. (2012); Roháček J. (2013); Schacht W. (2010); Séguy E. (1934); Sumner DP (Ed). (2009); Sumner DP (Ed). (2013); Sumner DP. (2017); von Tscharnhaus M. (2008);

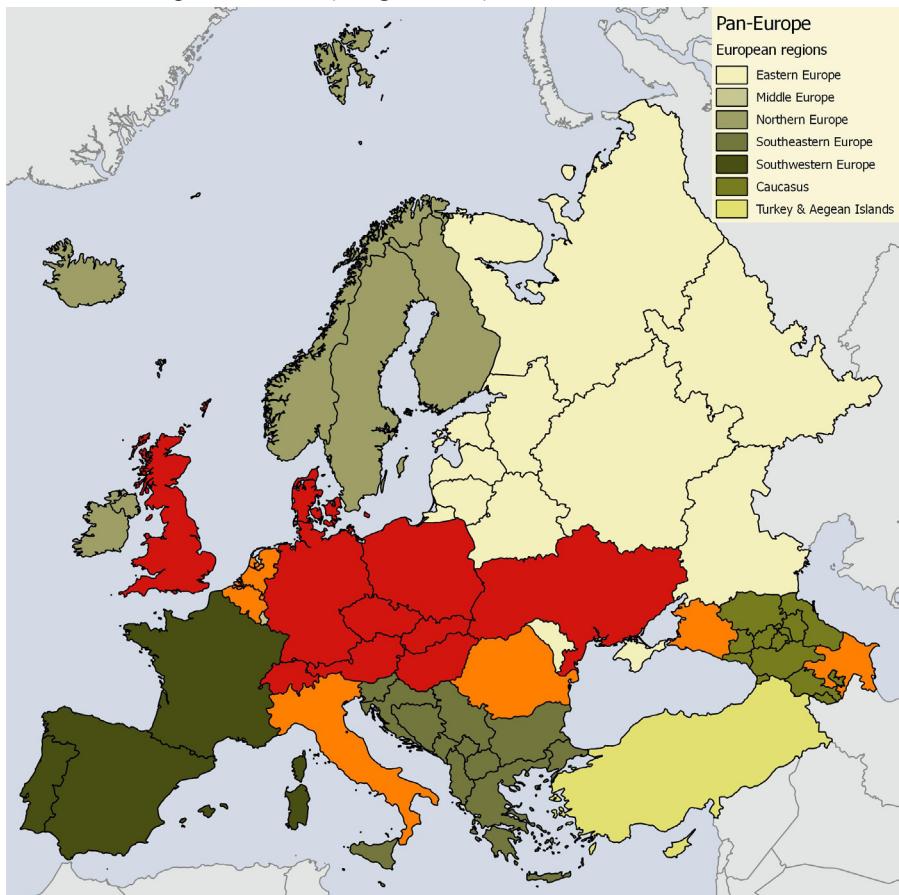
## Microppezidae

### CALOBATINAE

*Calobata petronella* (Linnaeus, 1761)

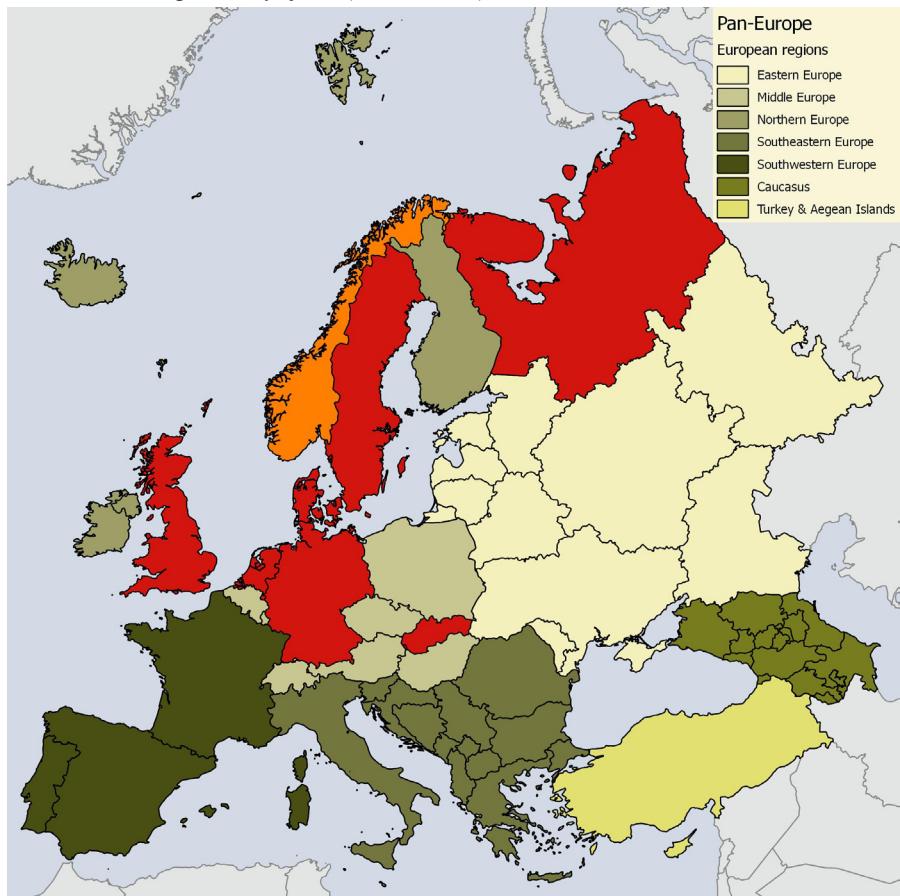


Andersson H. (1989); Barták M. (2009); Beuk P. (2002); Ceianu I. (1989); Chvála M. (1997); Cunze H. (2018); Czerny L. (1930); Greve L, Nielsen TR. (1991); Grootaert P, De Bruyn L, De Meyer M. (1991); Hagenlund LK, Kvifte GM. (2015); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Kahanpää J. (2011); Kubík Š, Barták M. (2010); Merz B. (1997); Muchowski V, Zatwarnicki T. (2001); Ozerov AL. (1987); Pendleton T, Pendleton D. (2011); Petrašiūnas A, Lutovinovas E. (2015); Roháček J, Barták M. (1990); Roháček J, Ševčík J. (2009); Roháček J. (2012); Séguin E. (1934); Stuke JH. (2006); Sumner DP. (2004); Sumner DP. (2017); von Tschirnhaus M. (2008); Weinberg M. (1994); Whiteley, D, Garland, SP, Hancock EG. (1994); Winqvist K. (2011);

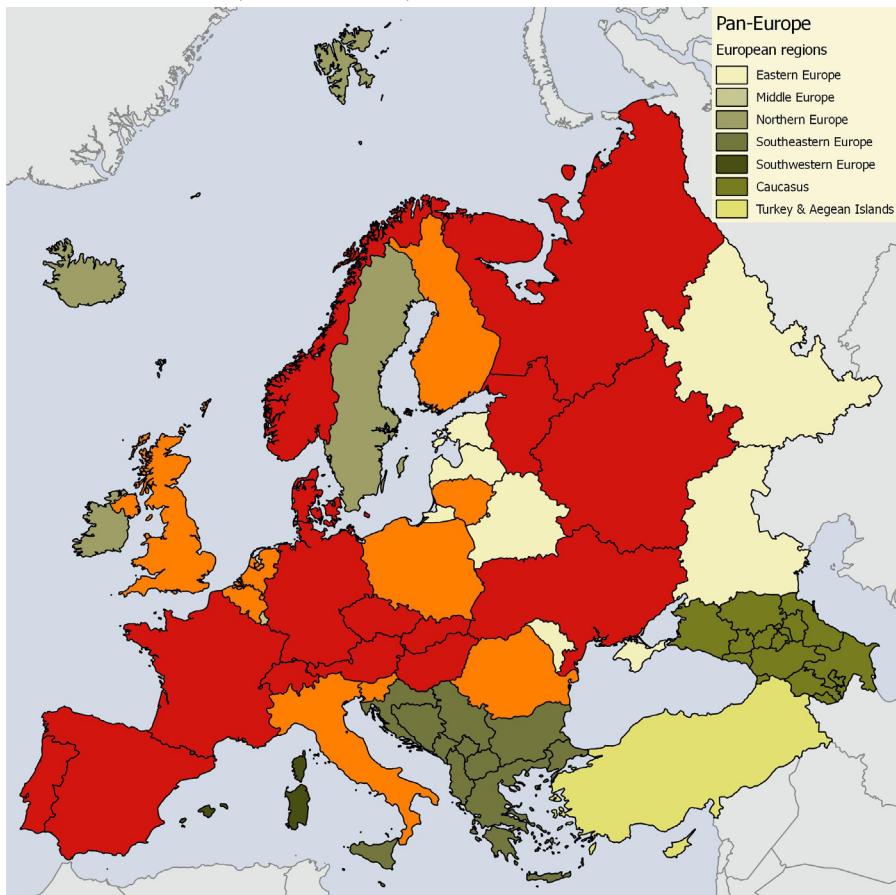
*Cnodacophora sellata* (Meigen, 1826)

Barták M. (2009); Beuk P. (2002); Ceianu I. (1989); Chvála M. (1997); Cunze H. (2018); Grootaert P, De Bruyn L, De Meyer M. (1991); Muchowski V, Zatwarnicki T. (2001); Ozerov AL. (1987); Roháček J, Barták M. (1990); Stuke JH. (2006); Sumner DP. (2004); Sumner DP. (2017);

*Cnodacophora stylifera* (Loew, 1870)

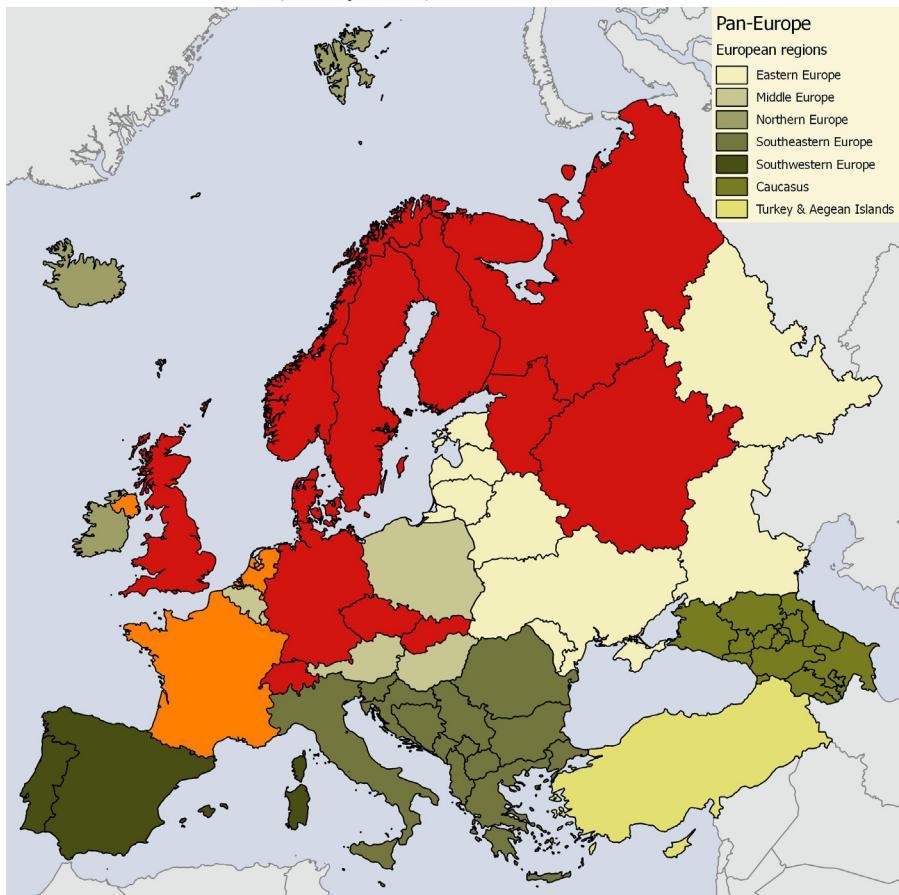


Beuk P. (2002); Chvála M. (1997); Falk SJ, Ismay JW, Chandler PJ. (2016); Gammelmo Ø, Søli G. (2011); Ozerov AL. (1987); Roháček J, Barták M. (1990); Soós Á. (1975); Stuke JH. (2006); Sumner DP. (2004); Sumner DP. (2017);

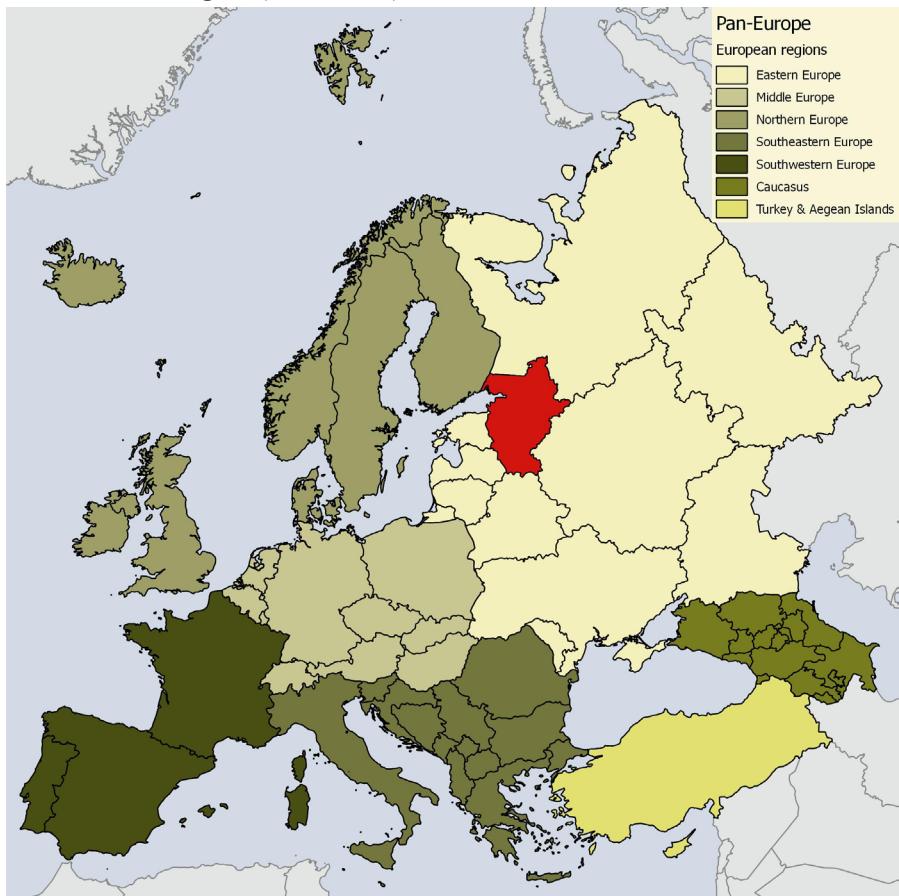
*Neria cibaria* (Linnaeus, 1761)

Andersson H. (1989); Arnold A. (2004); Barták M. (1998); Barták M. (2009); Bernotiene R. (2006); Beuk P. (2002); Brindle A. (1965); Carles-Tolrá M. (2002); Ceianu I. (1989); Chvála M. (1997); Cunze H. (2018); Czerny L. (1930); Greve L, Nielsen TR. (1991); Grootaert P, De Bruyn L, De Meyer M. (1991); Hagenlund LK, Kvifte GM. (2015); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Kahanpää J. (2011); Merz B. (1997); Muchowski V, Zatwarnicki T. (2001); Petrasčiūnas A, Lutovinovas E. (2015); Roháček J, Andrade R, Gonçalves AR, Almeida JM. (2016); Roháček J. (2008); Roháček J. (2013); Séguay E. (1934); Stuke JH. (2006); Sumner DP. (2004); Sumner DP. (2017); Weinberg M. (1994); Winqvist K. (2011); Withers P. (2007); Withers P. (2014);

*Neria commutata* (Czerny, 1930)

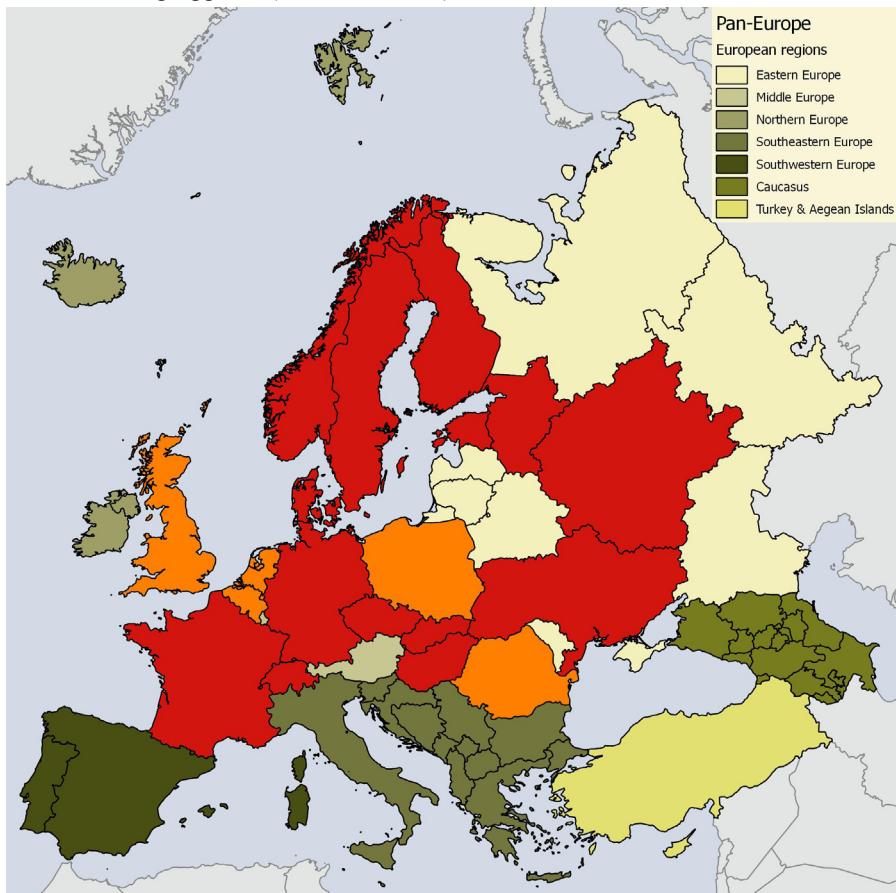


Arnold A. (2004); Beuk P. (2002); Greve L, Nielsen TR. (1991); Hagenlund LK, Kvifte GM. (2015); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Kahanpää J. (2011); Roháček J, Barták M. (1990); Séguy E. (1934); Sumner DP. (2004); Sumner DP. (2017); Withers P. (2014);

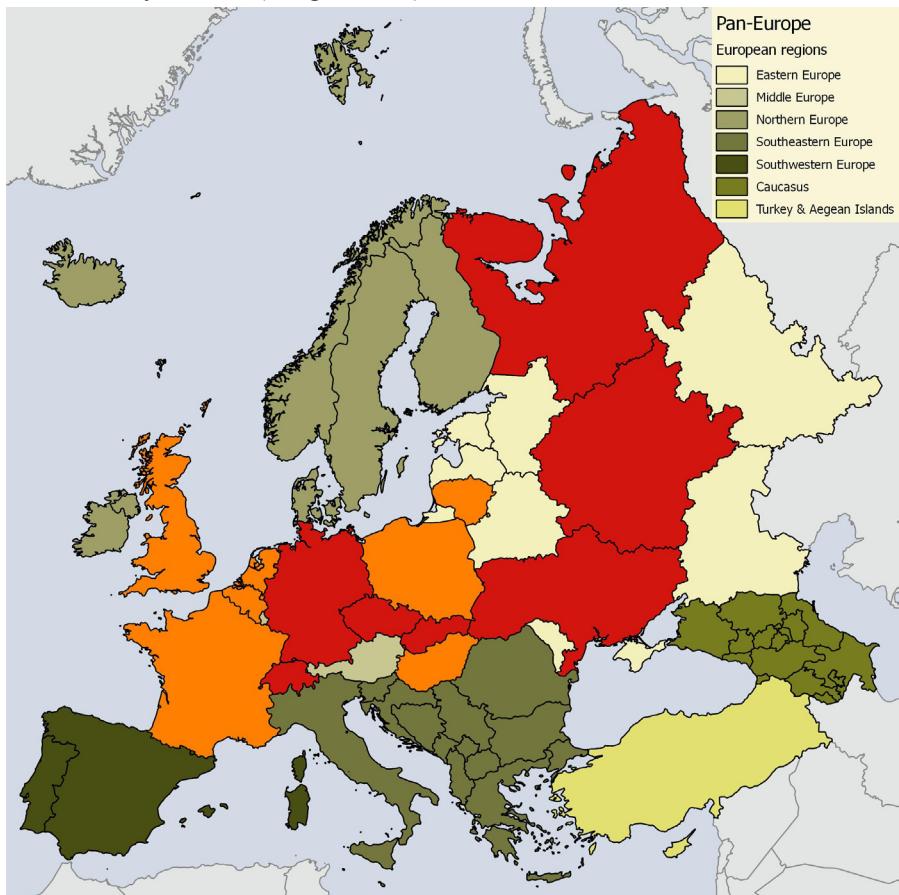
*Neria dentigera* (Loew, 1854)

Czerny L. (1930); Ozerov AL. (1987);

*Neria ephippium* (Fabricius, 1794)

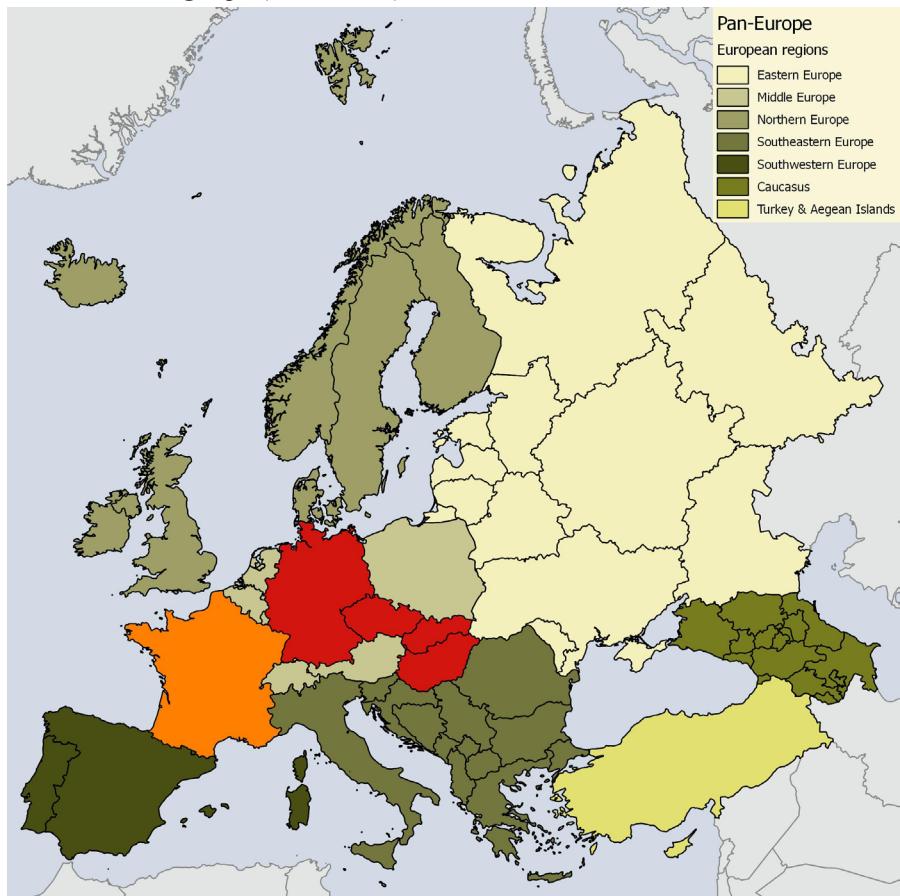


Andersson H. (1989); Barták M. (2009); Beuk P. (2002); Ceianu I. (1989); Chvála M. (1997); Czerny L. (1930); Greve L, Nielsen TR. (1991); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Kahanpää J. (2011); Muchowski V, Zatwarnicki T. (2001); Séguay E. (1934); Stuke JH. (2006); Sumner DP. (2004); Sumner DP. (2017); Weinberg M. (1994); Winqvist K. (2011);

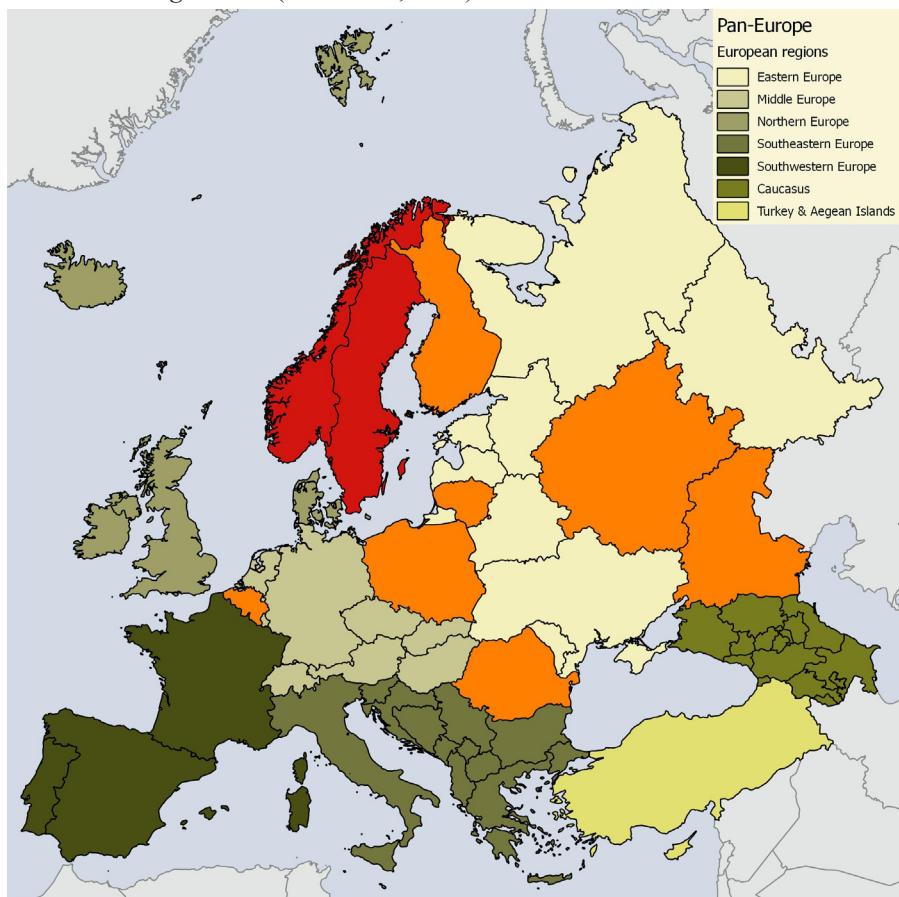
*Neria femoralis* (Meigen, 1826)

Arnold A. (2004); Beuk P. (2002); Biurrun I, Capelo J, Dengler J, Gigante D, Molnar Z, et al. (2016); Chvála M. (1997); Czerny L. (1930); Drake CM. (2003); Grootaert P, De Bruyn L, De Meyer M. (1991); JNCC. (2007); Lee JA. (1975); Merz B. (1997); Muchowski V, Zatwarnicki T. (2001); Papp L. (2004); Papp L. (2009); Petrašiūnas A, Lutovinovas E. (2015); Roháček J, Barták M. (1990); Schacht W. (2010); Séguay E. (1934); Stuke JH. (2006); Sumner DP. (2004); Sumner DP. (2017);

*Neria longiceps* (Loew, 1870)

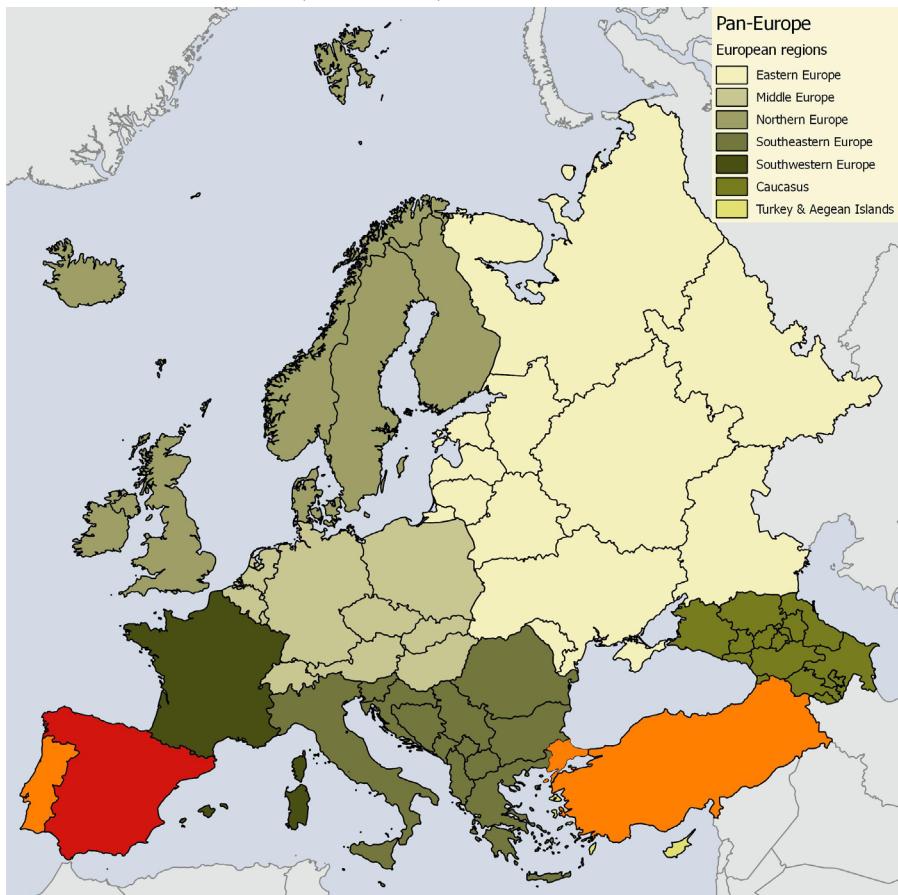


Arnold A. (2004); Chvála M. (1997); Roháček J, Barták M. (1990); Séguy E. (1934);

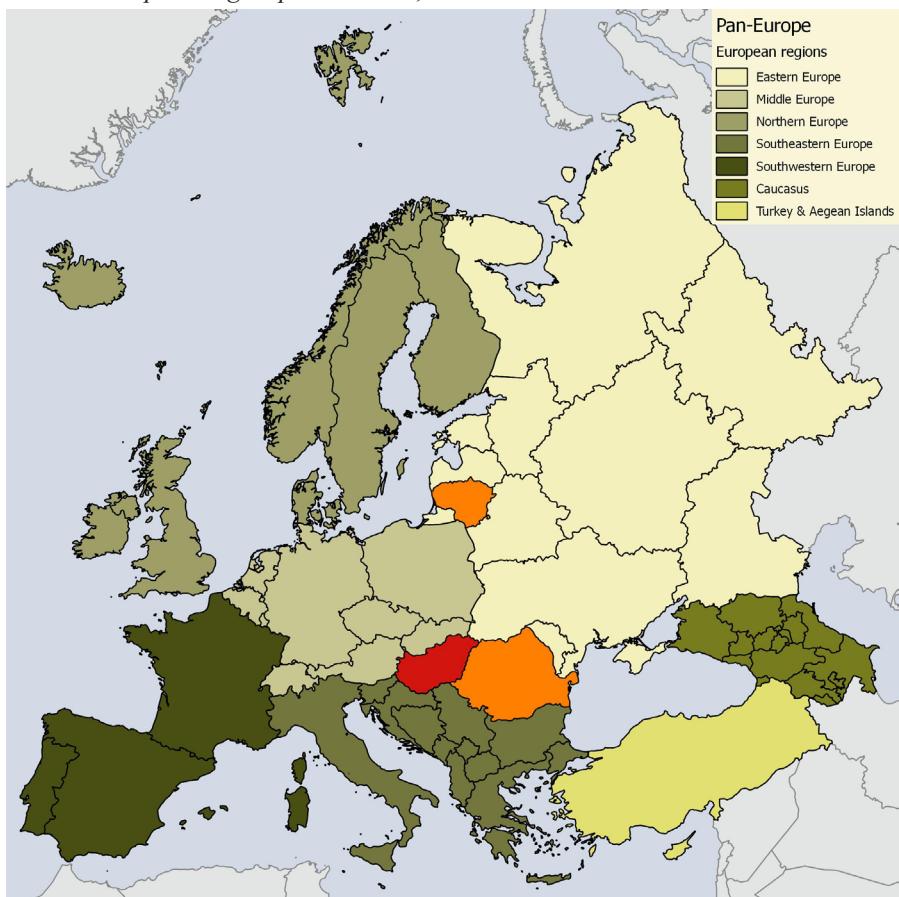
*Neria nigricornis* (Zetterstedt, 1838)

Andersson H. (1989); Bernotiene R. (2006); Czerny L. (1930); Greve L, Nielsen TR. (1991); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Kahanpää J. (2011); Muchowski V, Zatwarnicki T. (2001); Ozerov AL. (1987); Petrašiūnas A, Lutovinovas E. (2015); Weinberg M. (1994);

*Neria octoannulata* (Strobl, 1899)

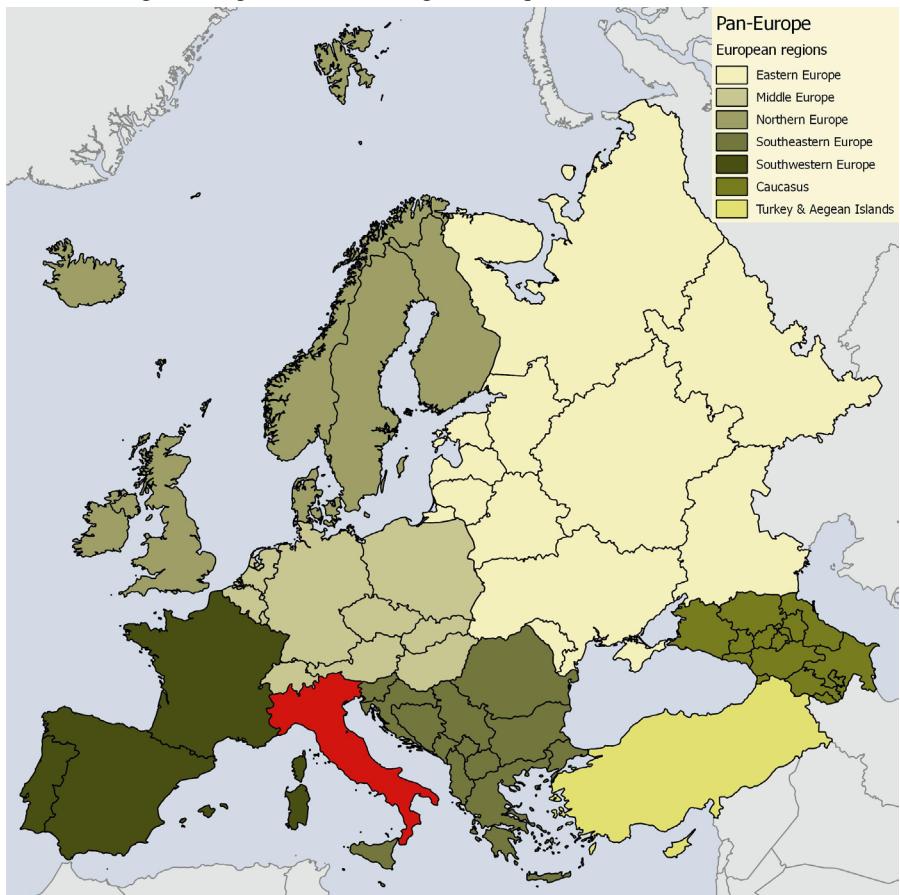


Carles-Tolrá M. (2002); Czerny L. (1930); Koçak AÖ, Kemal M. (2013); Koçak AÖ, Kemal M. (2014); Lyneborg L. (1969); Ozerov AL. (1991); Roháček J, Andrade R, Gonçalves AR, Almeida JM. (2016);

**MICROPEZINAE***Micropeza angustipennis* Loew, 1868

Bernotiene R. (2006); Ceianu I. (1989); Czerny L. (1930); Ozerov AL. (2008); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Soós Á. (1975); Weinberg M. (1994);

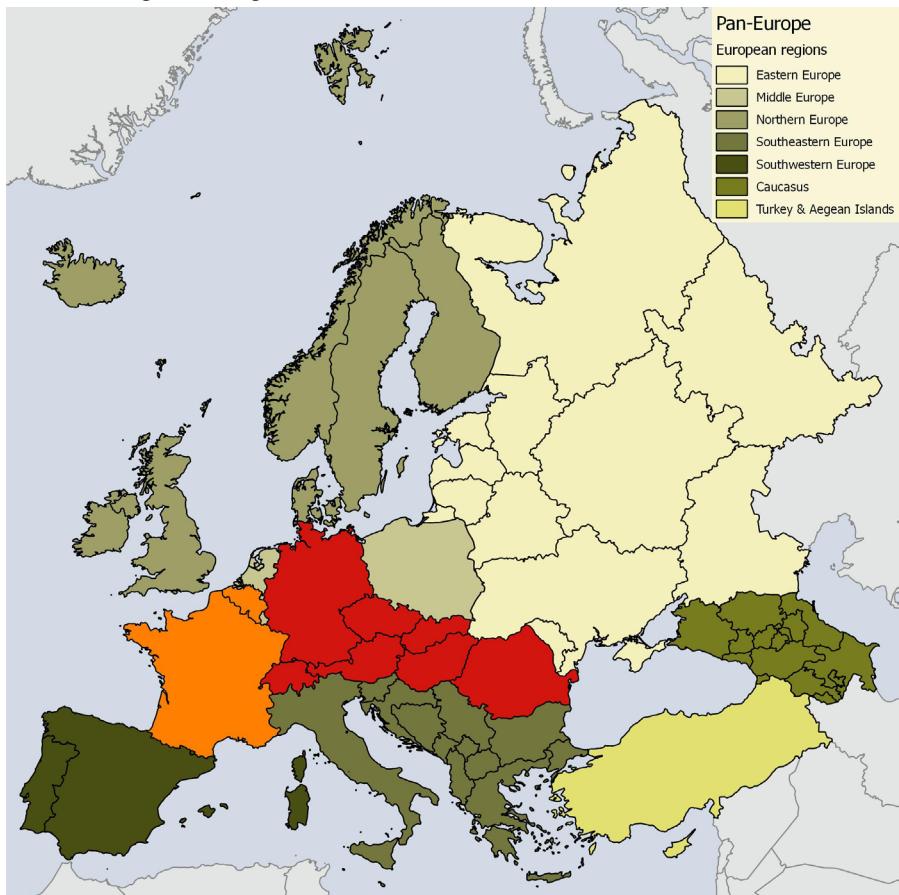
*Micropeza atripes* Bezz, 1895 species inquirenda



Cunze H. (2018); Czerny L. (1930); Bezz, M. (1895)

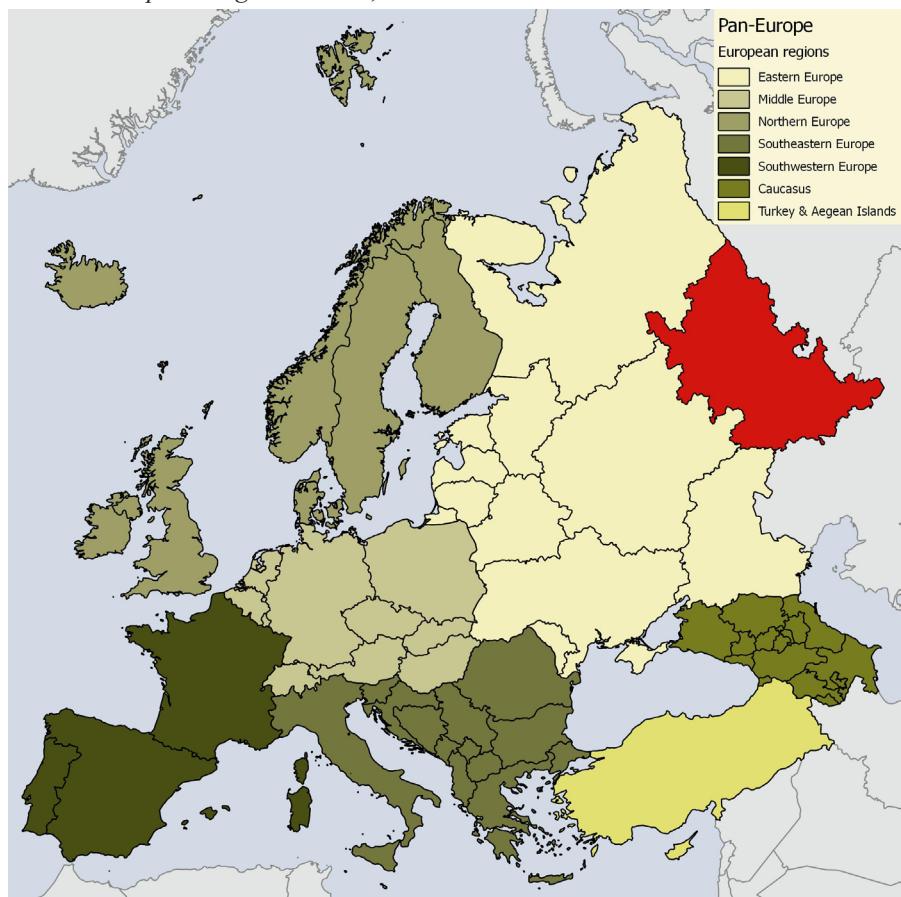
High probability that this is a dark-legged colour form of *M. corrugata* (see Bezz, 1895)

*species inquirenda*

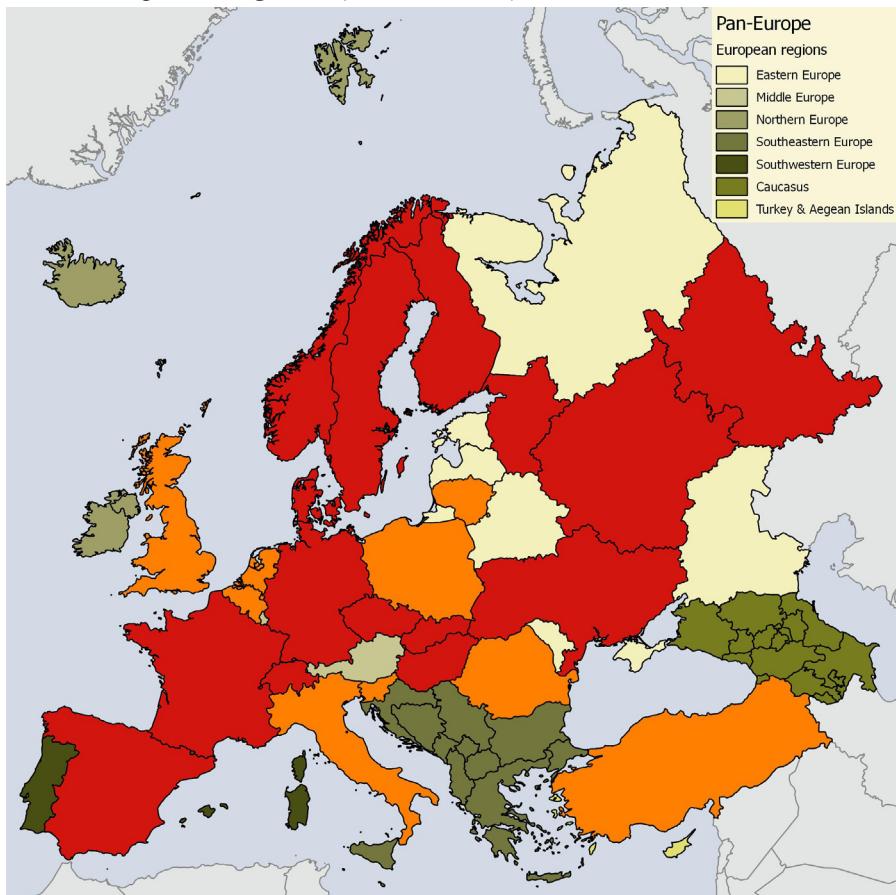
*Micropoza brevipennis* von Roser, 1840

Chvála M. (1997); Czerny L. (1930); Grootaert P, De Bruyn L, De Meyer M. (1991); Merz B. (1997); Miroir J. (2013); Ozerov AL. (2008); Roháček J. (2012); Roháček J., Barták M. (1990); Séguy E. (1934); Stuke JH. (2006); Weinberg M. (1994);

*Micropeza cingulata* Loew, 1868

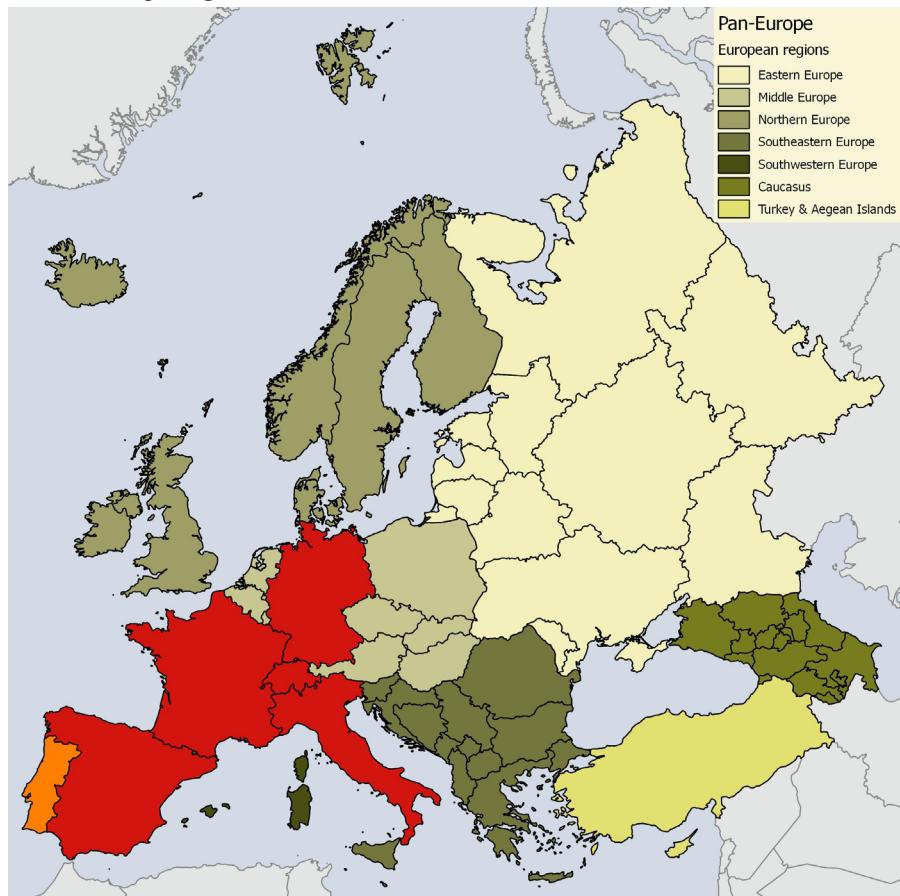


Ozerov AL. (2008); Roháček J, Barták M. (1990); Soós Á. (1975);

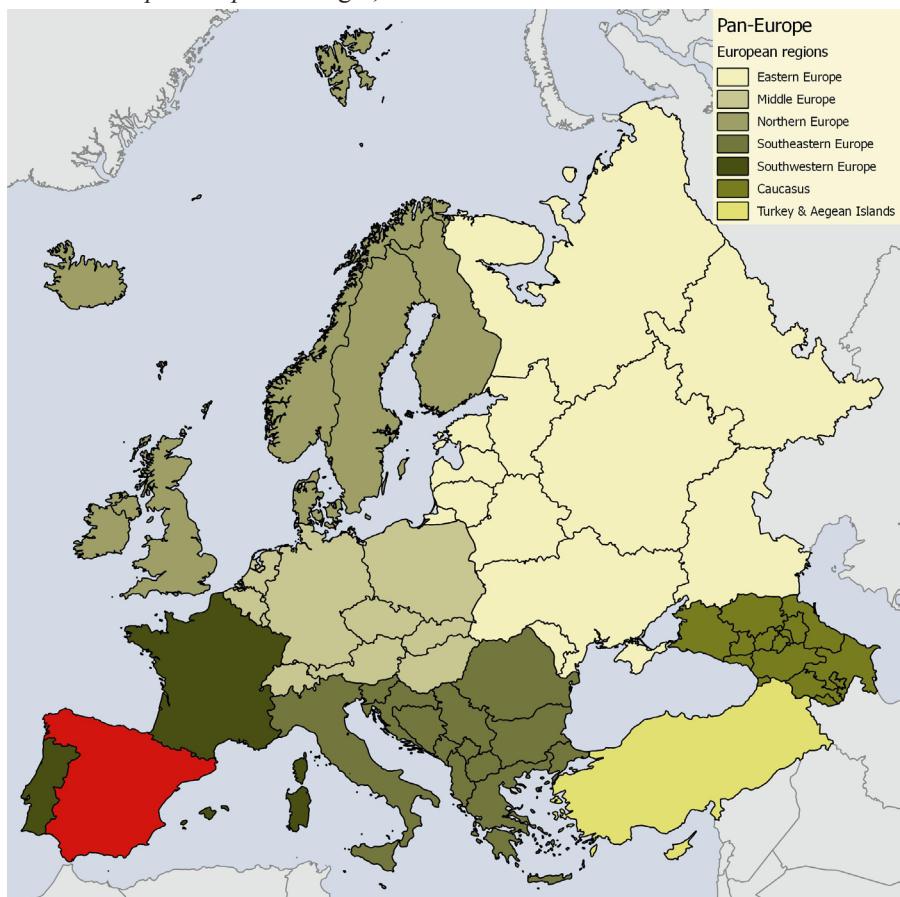
*Micropeza corrugolata* (Linnaeus, 1767)

Barták M. (2009); Bernotiene R. (2006); Beuk P. (2002); Carles-Tolrá M. (2002); Ceianu I. (1989); Chvála M. (1997); Cunze H. (2018); Czerny L. (1930); Greve L, Nielsen TR. (1991); Grootaert P, De Bruyn L, De Meyer M. (1991); Humala AE, Polevo KV. (2009); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Kahanpaa J. (2011); Koçak AÖ, Kemal M. (2014); Merz B. (1997); Muchowski V, Zatwarnicki T. (2001); Ozerov AL. (2008); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Pendleton T, Pendleton D. (2011); Roháček J, Barták M. (1990); Roháček J, Ševčík J. (2009); Roháček J. (2012); Roháček J. (2013); Séguy E. (1934); Smith KGV. (1989); Stuke JH. (2006); Sumner DP. (2004); Sumner DP. (2017); von Tschirnhaus M. (2008); Weinberg M. (1994);

*Micropeza grallatrix* Loew, 1868

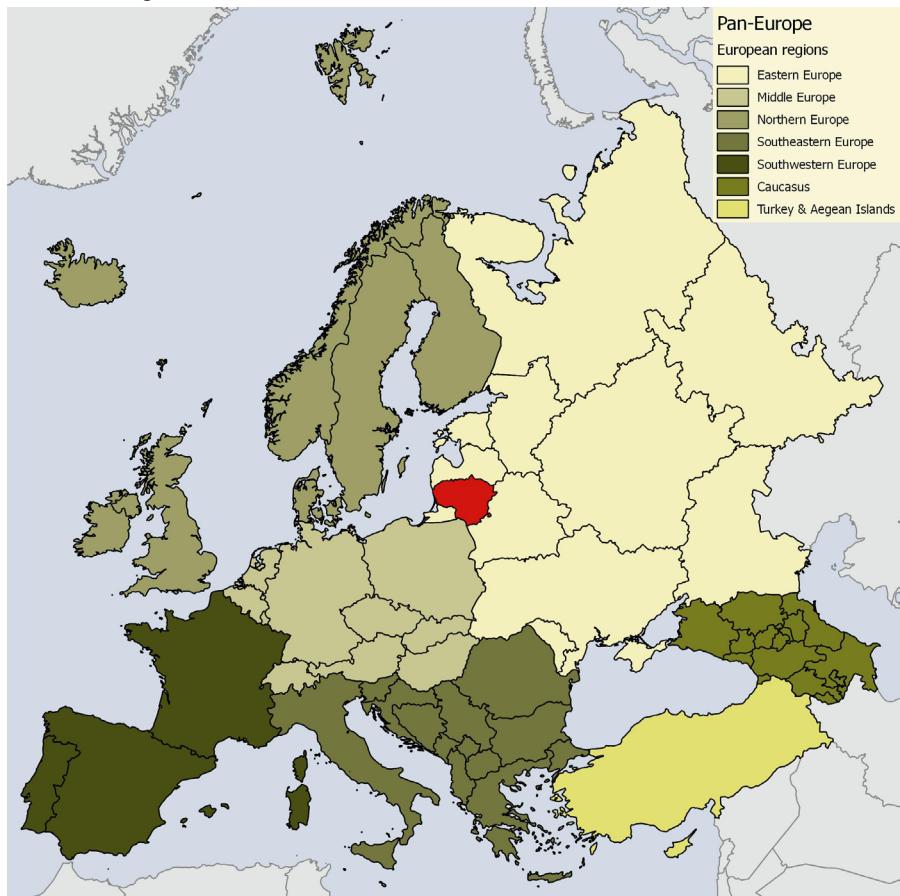


Carles-Tolrá M. (2002); Cunze H. (2018); Czerny L. (1930); Freidberg (1984); Merz B. (1997); Roháček J, Andrade R, Gonçalves AR, Almeida JM. (2016);

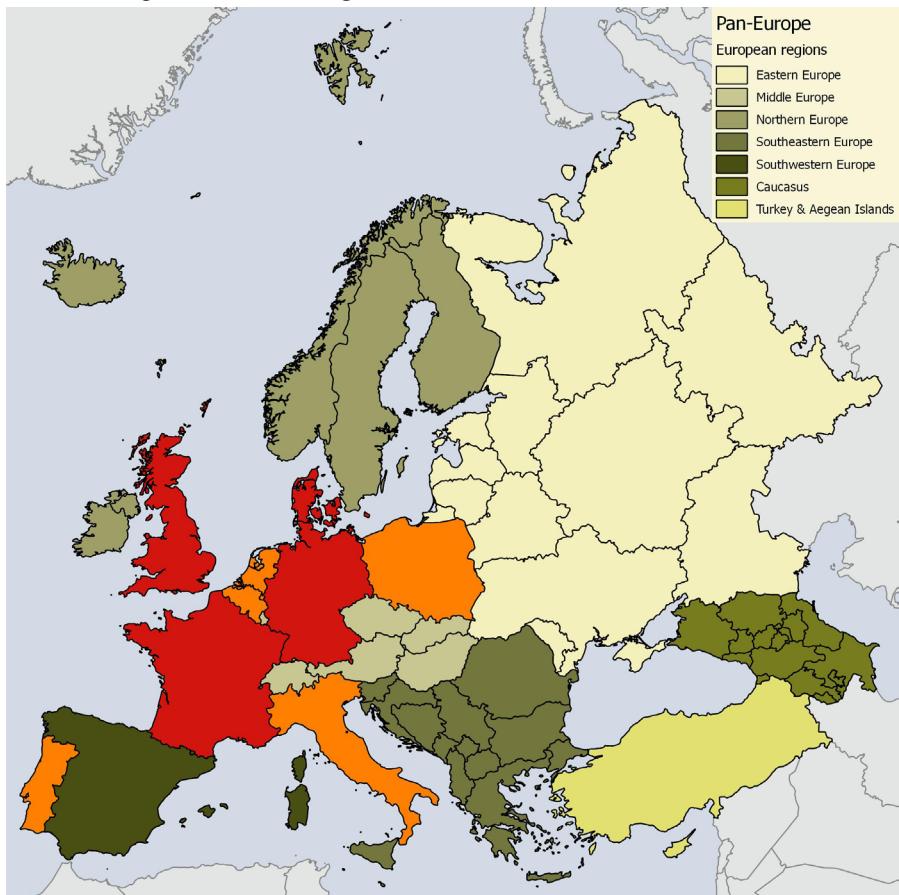
*Micropeza hispanica* Bigot, 1886

Carles-Tolrá M. (2002); Czerny L. (1930); Roháček J, Andrade R, Gonçalves AR, Almeida JM. (2016);

*Micropeza kawalii* Gimmerthal, 1847

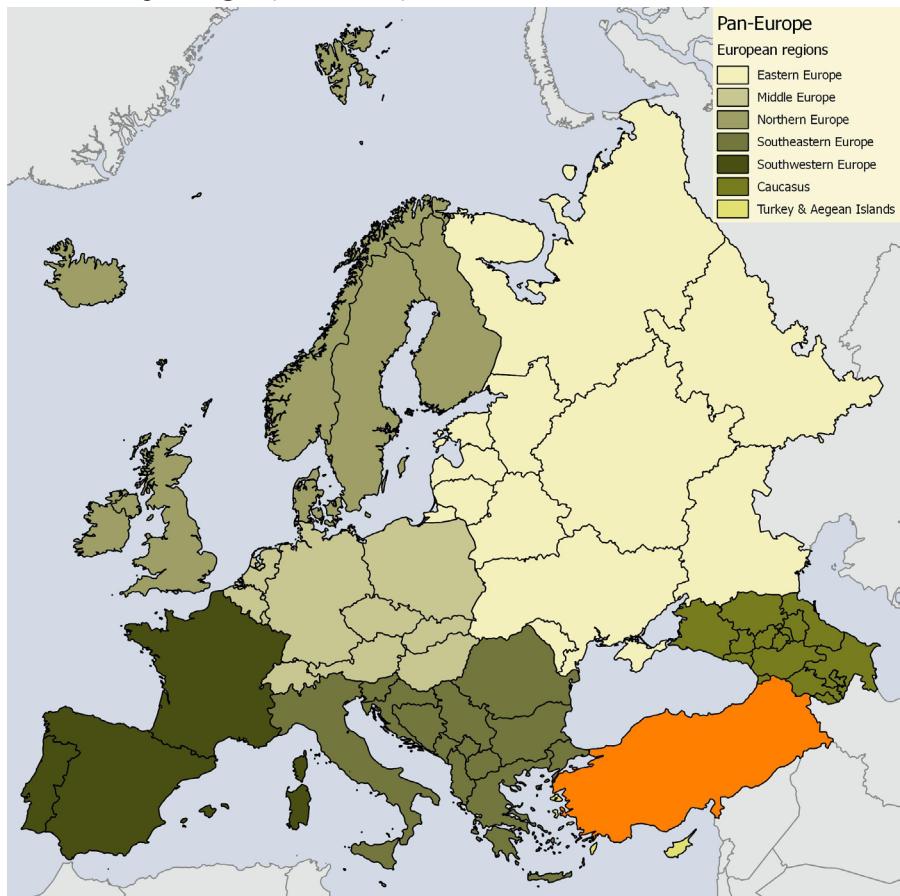


Bernotiene R. (2006);

*Micropoza lateralis* Meigen 1826

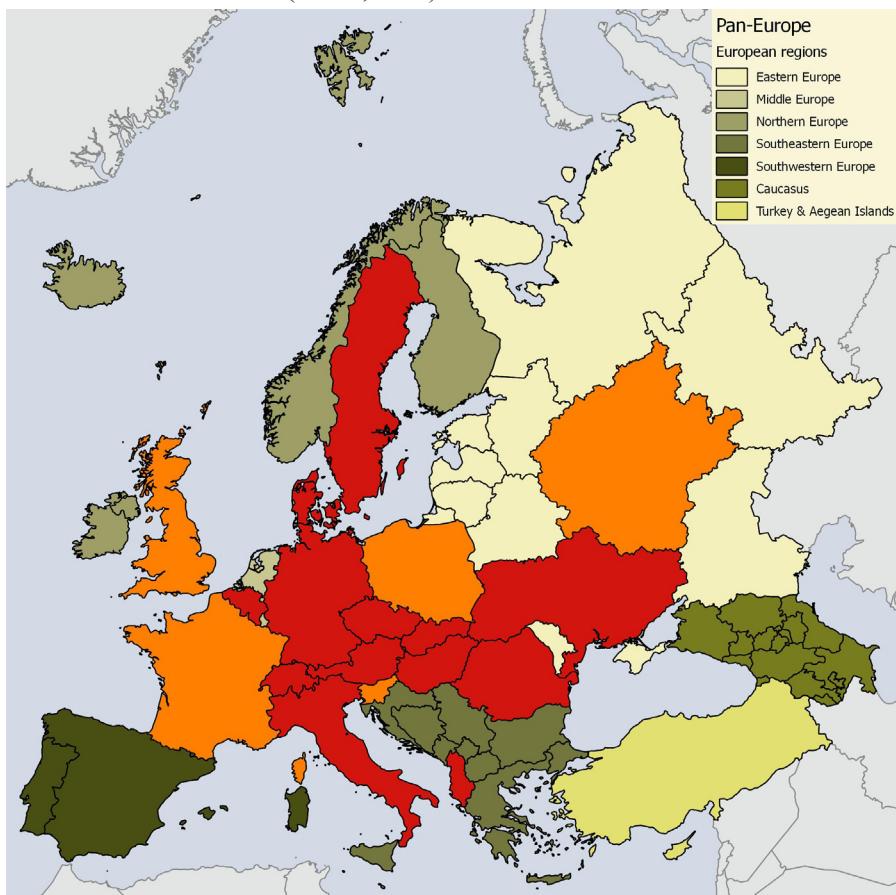
Beuk P. (2002); Carles-Tolrá M. (2002); Cunze H. (2018); Czerny L. (1930); Falk SJ, Ismay JW, Chandler PJ. (2016); Greve L, Nielsen TR. (1991); Grootaert P, De Bruyn L, De Meyer M. (1991); Hoebelke ER, Wheeler AG. (2016); Miroir J. (2013); Muchowski V, Zatwarnicki T. (2001); Roháček J, Andrade R, Gonçalves AR, Almeida JM. (2016); Séguay E. (1934); Smith KGV. (1989); Strobl PG. (1904); Stuke JH. (2006); Sumner DP. (2017); Sumner DP. (2004);

*Micropeza nigra* (Loew, 1873)



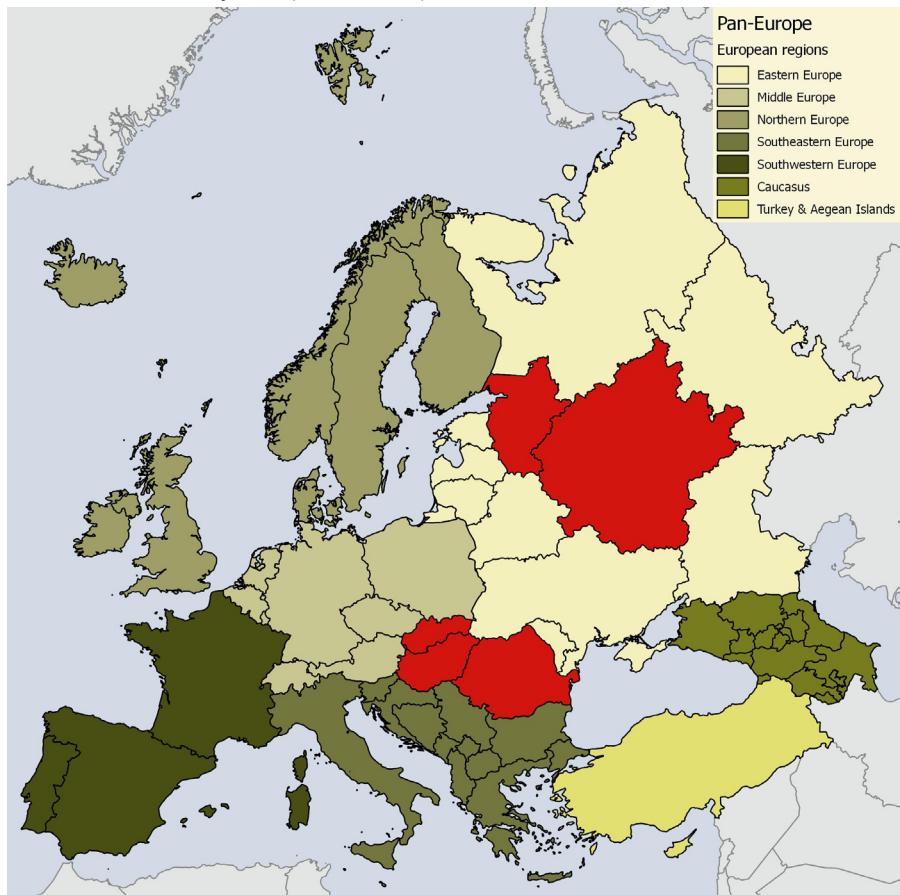
Freidberg (1984); Koçak AÖ, Kemal M. (2014); Koçak AÖ, Kemal M. (2013); Kemal M, Kocak AÖ. (2015)

## TAENIAPTERINAE

*Rainieria calceata* (Fallén, 1820)

Andersson H. (1989); Brindle A. (1965); Ceianu I. (1989); Chandler P. (1975); Chandler PJ. (2015); Chvála M. (1997); Colyer CN, Hammond CO. (1968); Cunze H. (2018); Czerny L. (1930); Denton J. (2001); Donisthorpe HSJ. (1930); Donisthorpe HSJ. (1930); Dorn K. (1928); Falk SJ, Ismay JW, Chandler PJ. (2016); Grootaert P, De Bruyn L, De Meyer M. (1991); Jezek J. (1987); Krivosheina MG, Krivosheina NP. (1996); Kuntze A. (1913); Matthew. (2016); Merz B. (1997); Muchowski V, Zatwarnicki T. (2001); Ring-dahl O. (1957); Roháček J, Barták M. (1990); Roháček J, Ševčík J. (2009); Roháček J. (1995); Roháček J. (2012); Roháček J. (2013); Schacht W. (2010); Séguin E. (1934); Smith KGV. (1989); Strobl PG. (1904); Stubbs AE. (2015); Sumner DP. (2004); Sumner DP. (2016); Sumner DP. (2017); van der Weele R. (1998); von Tschirnhaus M. (2008);

*Rainieria latifrons* (Loew, 1870)

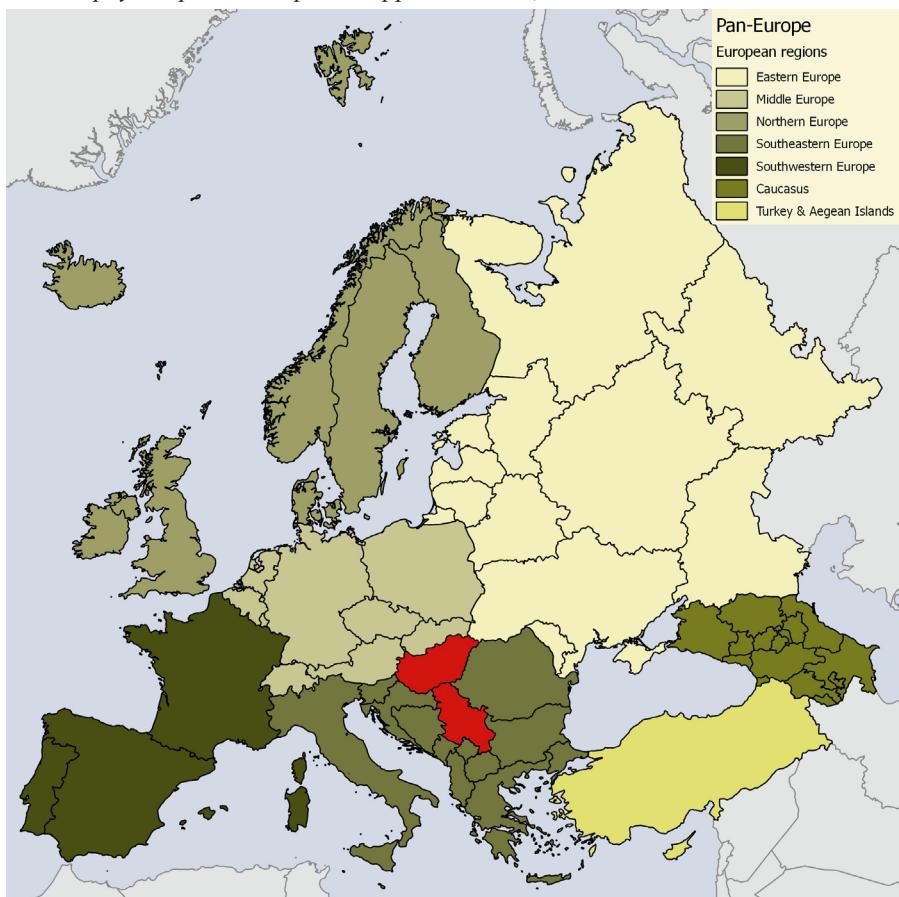


Chvála M. (1997); Czerny L. (1930); Krivosheina MG, Krivosheina NP. (1996); Kurina O. (2004); Matthew. (2016); Papp L. (2004); Roháček J, Barták M. (1990); van der Weele R. (1998); Weinberg M. (1994);

## Diopsoidea (Tanypezids)

### Diopsidae

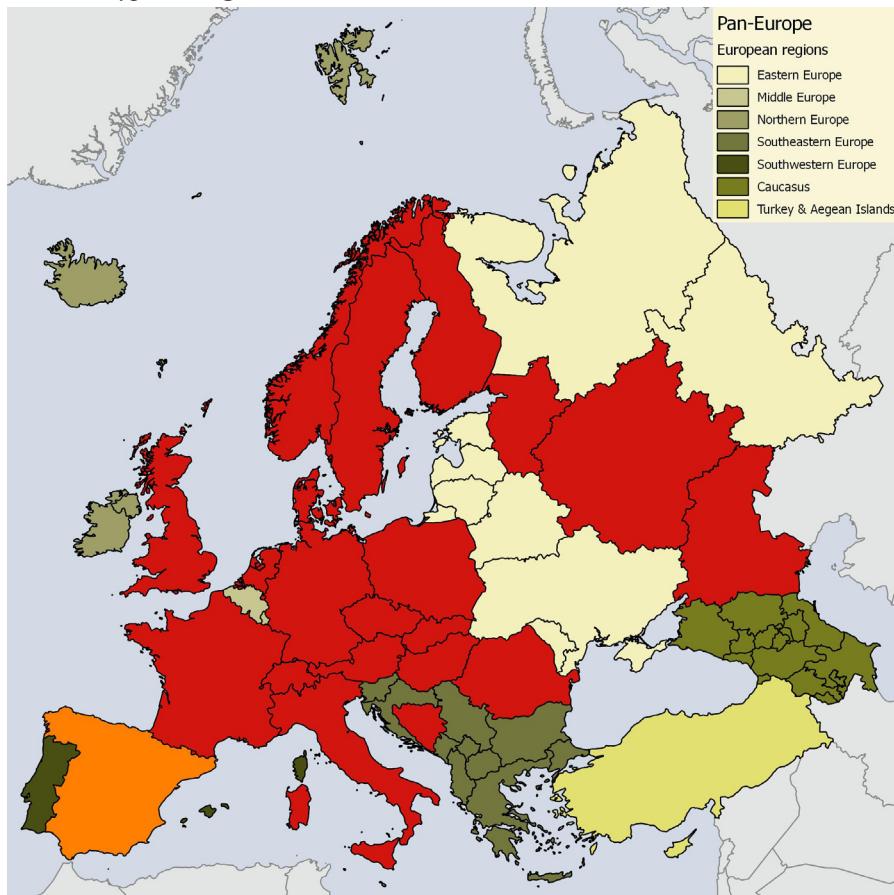
*Sphyracephala europaea* Papp & Foldvari, 1997



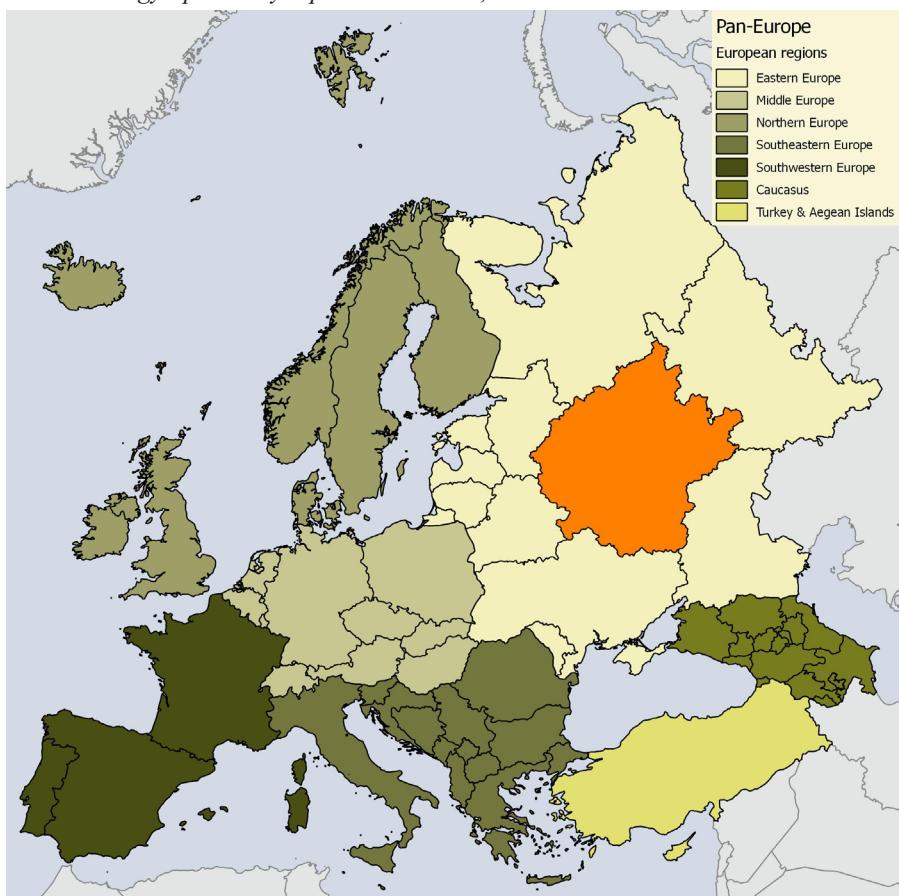
Papp L, Földvári M, Paulovics P. (1997); Simova-Tosic D, Stojanovic A. 1999

## Tanypezidae

*Tanypeza longimana* Fallén, 1820

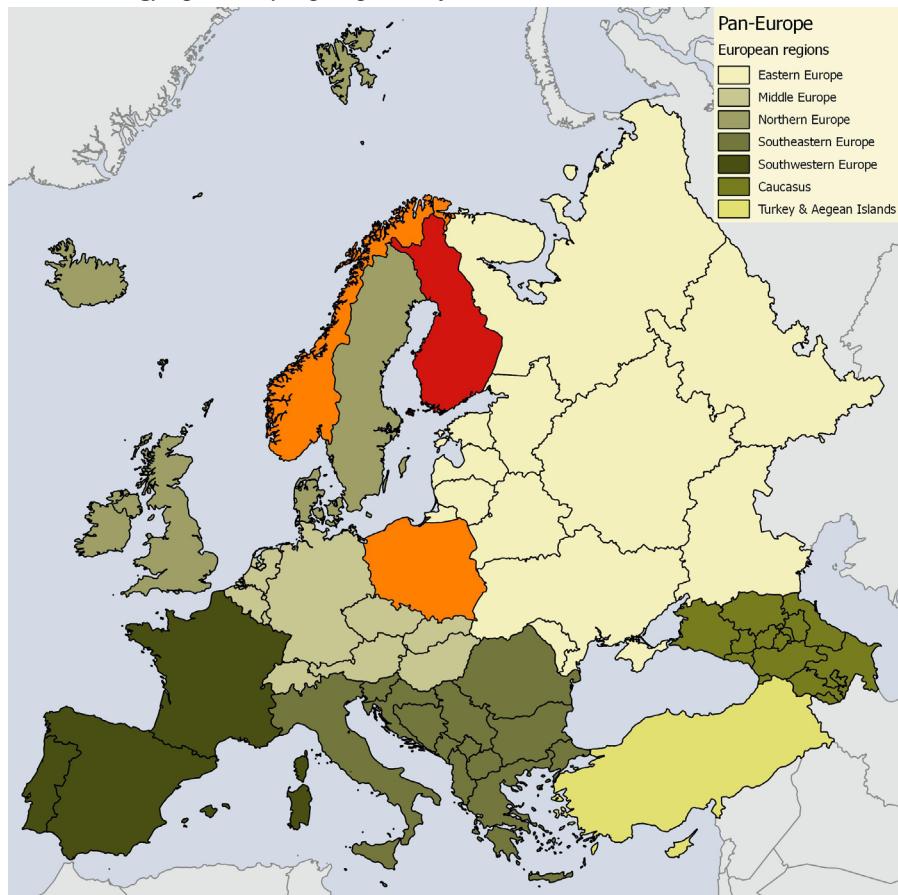


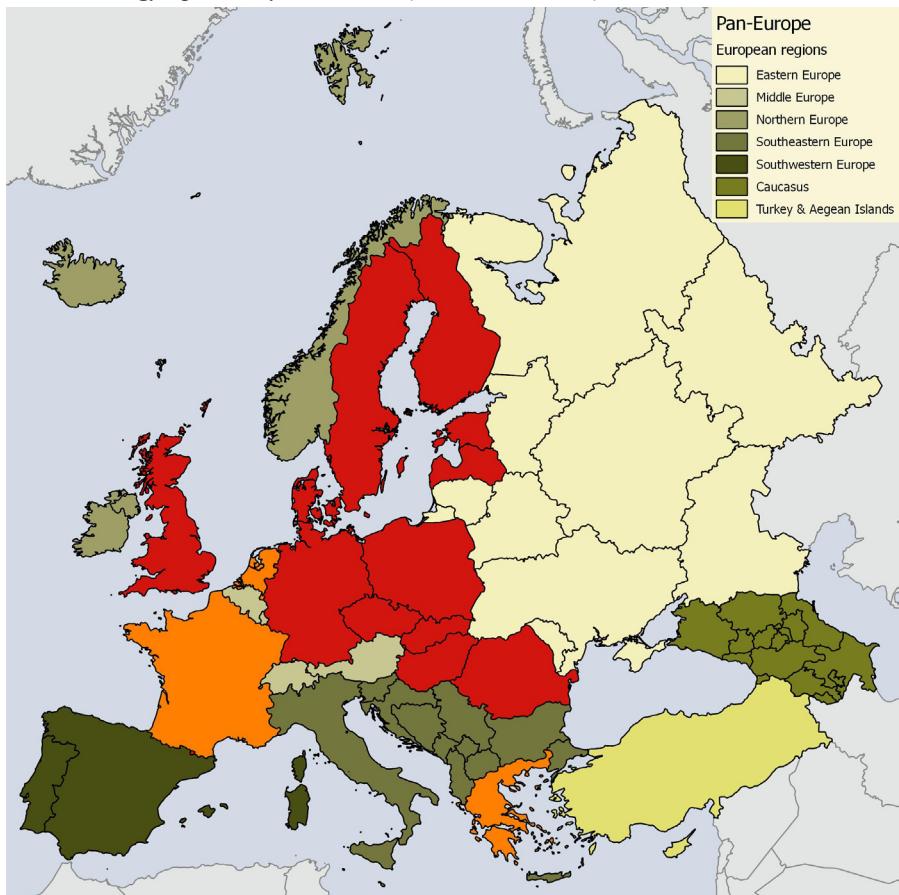
Beuk P. (2002); Bloomfield EN. (1904); Carles-Tolrá M. (2002); Ceianu I. (1989); Chandler P. (1975); Chandler PJ. (1977); Chvála M. (1997); Colyer CN, Hammond CO. (1968); Enderlein G. (1913); Enderlein G. (1936); Falk SJ, Ismay JW, Chandler PJ. (2016); Greve L, Simonsen A. (1985); Griffiths GCD. (1972); Grootaert P, De Bruyn L, De Meyer M. (1991); Hendel F. (1903); Hennig W. (1936); Hennig W. (1973); Humala AE, Polevo KV. (2009); Jezek J. (1987); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Kahanpää J. (2011); Lindstrom M. (2012); McAlpine DK. (1997); Muchowski V, Zatwarnicki T. (2001); Roháček J. (1998); Roháček J. (2016); Rondani C. (1856); Séguy E. (1934); Smith KGV. (1989); Steyskal GC. (1965); Steyskal GC. (1967); Steyskal GC. (1987); Stuke JH. (2006); Sumner DP. (2017); Thompson FC, Evenhuis NL. Bibliography of the Family-Group Names of Diptera. MYIA. (10:3); von Tschirnhaus M. (2008); Withers P. (2004);

**Strongylophthalmyiidae***Strongylophthalmyia paula* Shatalkin, 1993

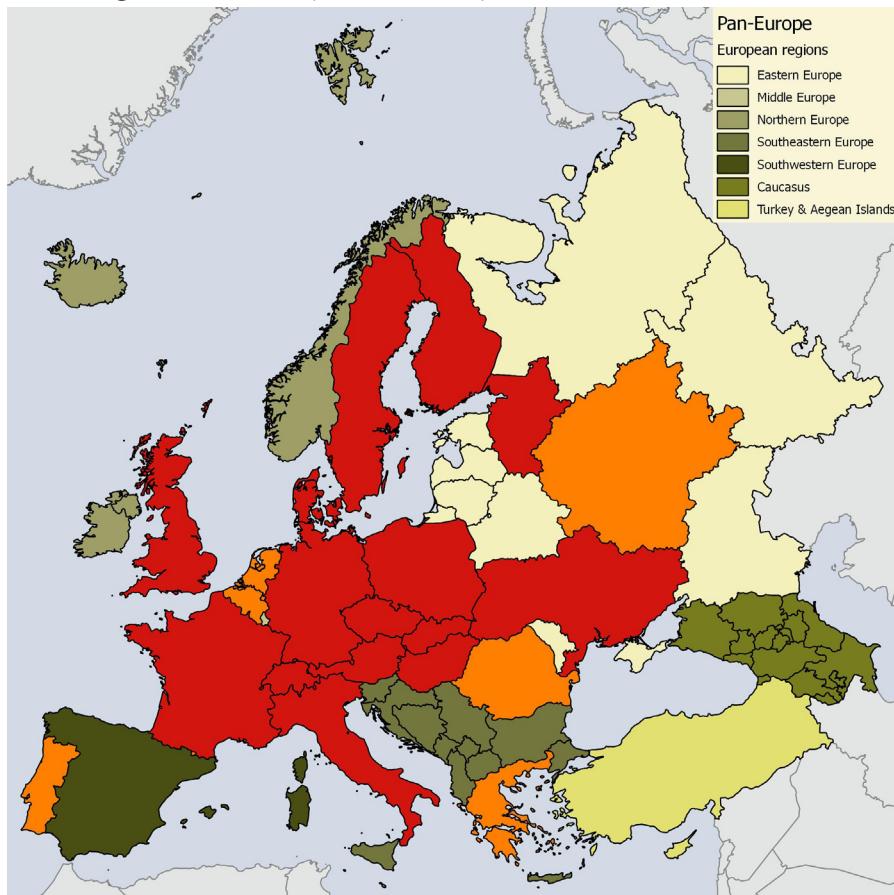
Palaczyk A, Klasa A, Slowinska-Krysiak I. (2013); Shatalkin AI. (1993); Galinskaya T V., Shatalkin AI. (2016)

*Strongylophthalmyia pictipes* Frey, 1935



*Strongylophthalmyia ustulata* (Zetterstedt, 1847)

Ceanau I. (1989); Chvála M. (1997); Cole JH. (1981); De Bree E. (2017); Falk SJ, Ismay JW, Chandler PJ. (2016); Greve L, Simonsen A. (1985); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Klasa A, Palaczek A. (2011); Krivosheina NP. (1982); Muchowski V, Zatwarnicki T. (2001); Palaczek A, Klasa A, Slowinska-Krysiak I. (2013); Papp L. (2009); Ramel G. (2009); Roháček J. (2016); Roháček J, Ševčík J. (2009); Rotheray GE. (1998); Rotheray GE. (2015); Séguay E. (1934); Sumner DP. (2017);

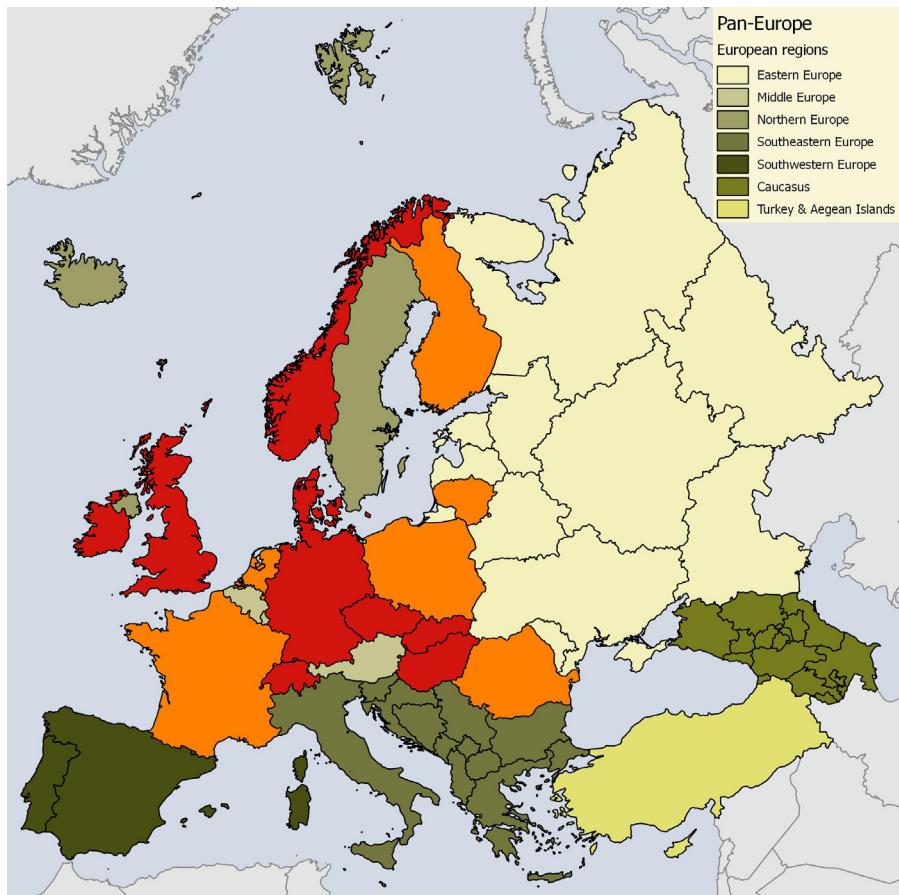
**Megamerinidae Rondani, 1861***Megamerina dolium* (Fabricius, 1805)

Andrade R. (2011); Bernotiene R. (2006); Beuk P. (2002); Brindle A. (1965); Carles-Tolrá M. (2002); Ceianu I. (1989); Chandler P (Ed. . (2010); Chandler PJ. (1975); Chandler PJ. (1977); Chvála M. (1997); De Bree E. (2018); Denton J. (2009); Falk SJ, Ismay JW, Chandler PJ. (2016); Głowiński Z. (2002); Grootaert P, De Bruyn L, De Meyer M. (1991); Hewitt S. (2014); Jezek J. (1987); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Kahanpaa J. (2011); Kidd LN (Ed.). (1963); Krivosheina NP, Krivosheina MG, Nartchuk EP. (1996); Krivosheina NP, Krivosheina MG. (1997); Marshall SA, Buck M, Skevington JH, Grimaldi D. (2009); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Pendleton T, Pendleton D. (2011); Ramel G. (2009); Ramel G. (2009); Roháček J, Ševčík J. (2009); Roháček J. (2012); Roháček J. (2016); Schacht W. (2010); Séguy E. (1934); Smith KGV. (1989); Stuke JH. (2006); Sumner DP. (2017); Thompson FC, Evenhuis NL. (1999); Van der Goot VS, Van Veen M. (1996); Whitmore D. (2004); Withers P. (2007);

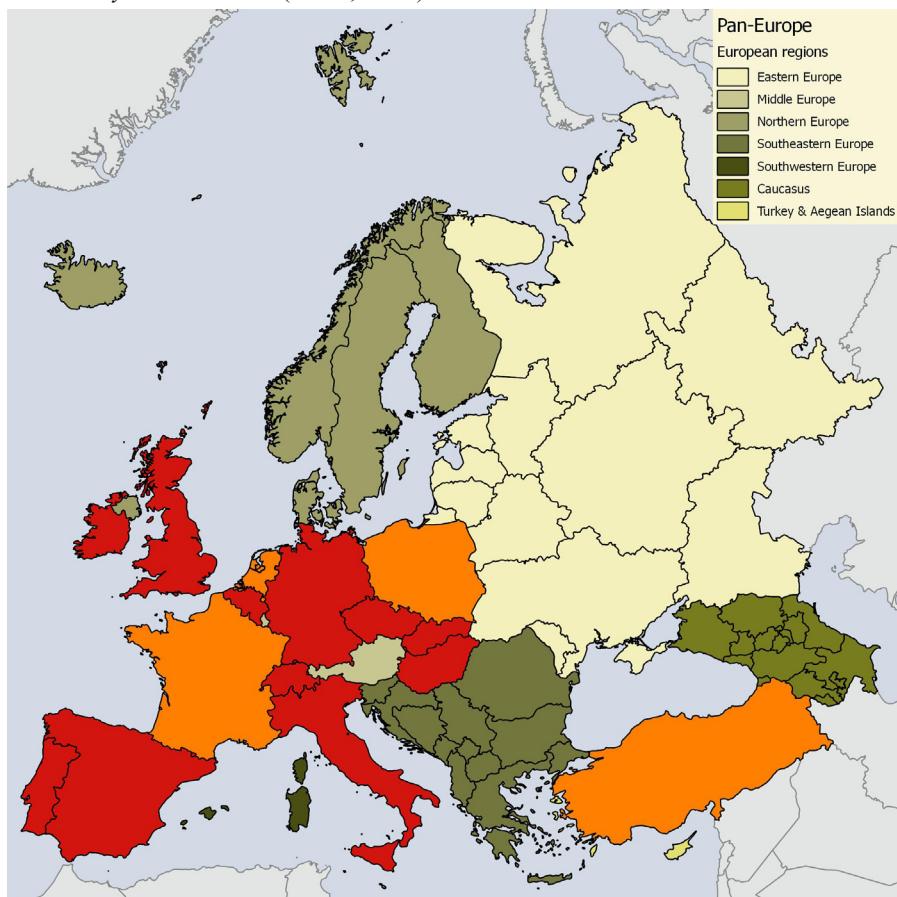
## Psilidae

### CHYLIZINAE

*Chyliza annulipes* Macquart, 1835

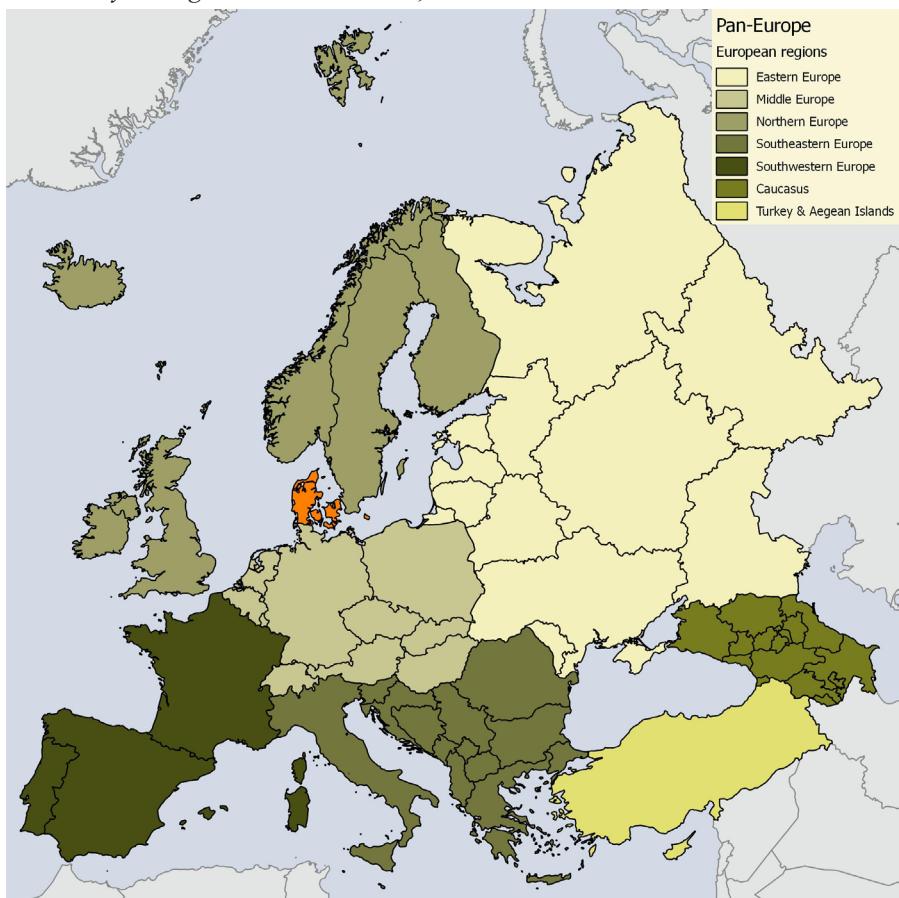


Bernotiene R. (2006); Beuk P. (2002); Ceianu I. (1989); Cogan BH., Dear JP. (1975); By-gebjerg, R., Munk, T., & Elnif, J. (2011); Chvála M. (1997); Falk SJ, Ismay JW, Chandler PJ. (2016); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Séguy E. (1934); Shatalkin AI, Merz (2010); Stuke JH. (2006); Sumner DP. (2017); Winter TG. (1988)

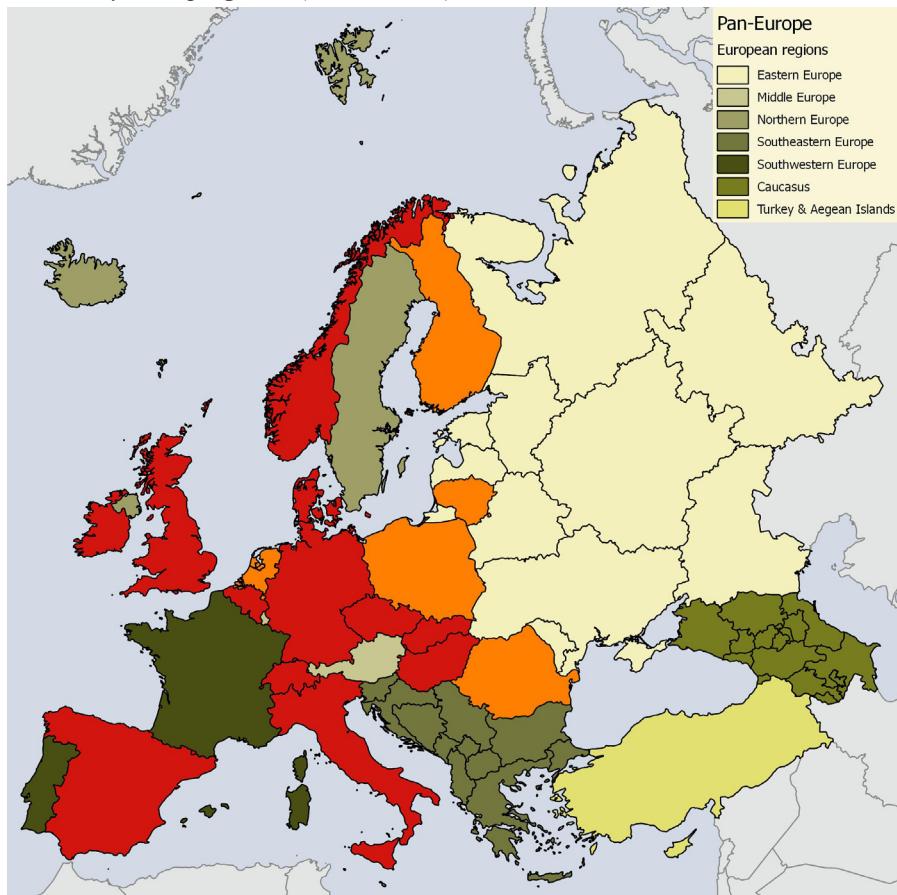
*Chyliza extenuata* (Rossi, 1790)

Beuk P. (2002); Bygebjerg, R., Munk, T., & Elnif, J. (2011); Chandler PJ. (1975); Chvála M. (1997); Falk SJ, Ismay JW, Chandler PJ. (2016); Goot VS van der. (1988); Grootaert P, De Bruyn L, De Meyer M. (1991); Jacinto V. (2012); Jimenez S. (2013); Koçak AÖ, Kemal M. (2014); Koçak AÖ, Kemal M. (2013); Muchowski V, Zatwarnicki T. (2001); Shatalkin AI, Merz B, (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Strobl PG. (1904); Sumner DP. (2017); Sumner DP. (2018); Withers P. (2014);

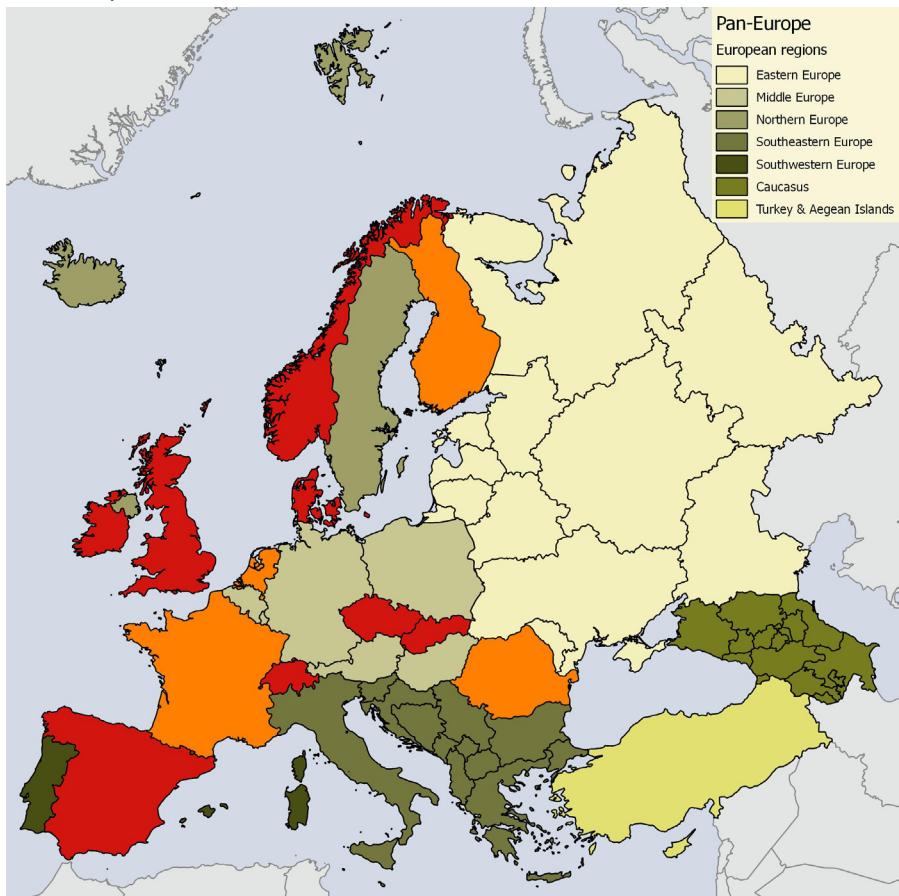
*Chyliza leguminicola* Melander, 1920



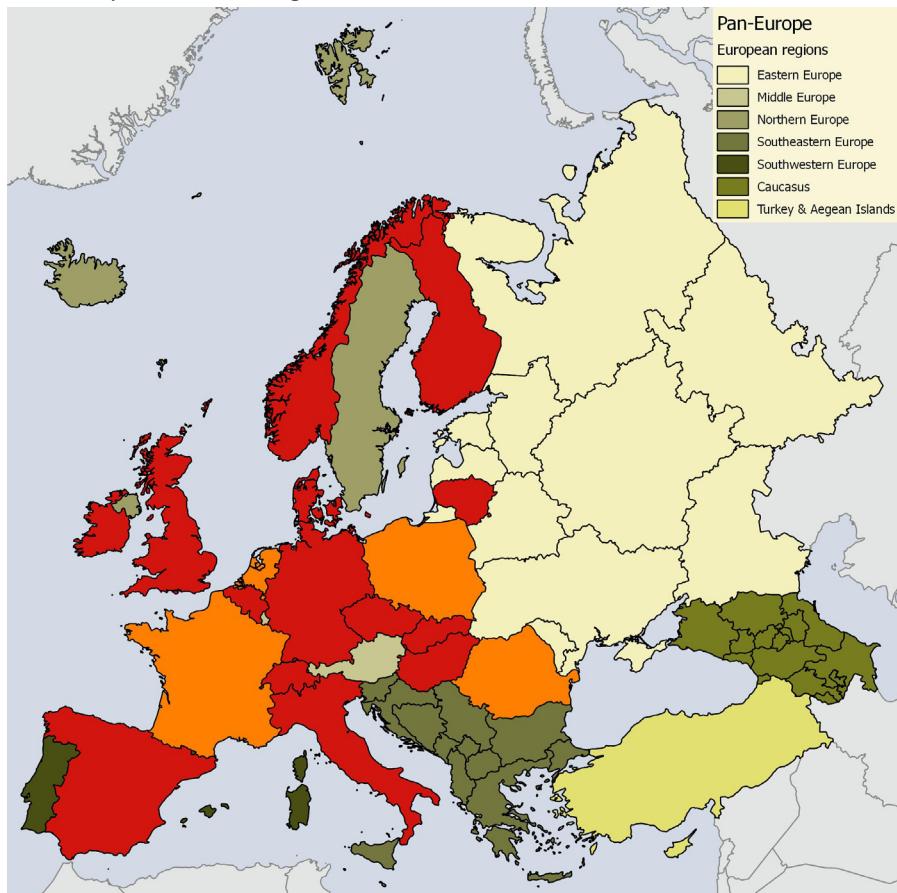
Bygebjerg, R., Munk, T., & Elnif, J. (2011)

*Chyliza leptogaster* (Panzer, 1798)

Bernotiene R. (2006); Beuk P. (2002); Bygebjerg, R., Munk, T., & Elnif, J. (2011); Carles-Tolrá M. (2002); Ceianu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Shatalkin AI. (1986); Shatalkin AI. (2007); Shatalkin AI, Merz B, (2010); Stuke JH. (2006); Sumner DP. (2017);

*Chyliza nova* Collin, 1944

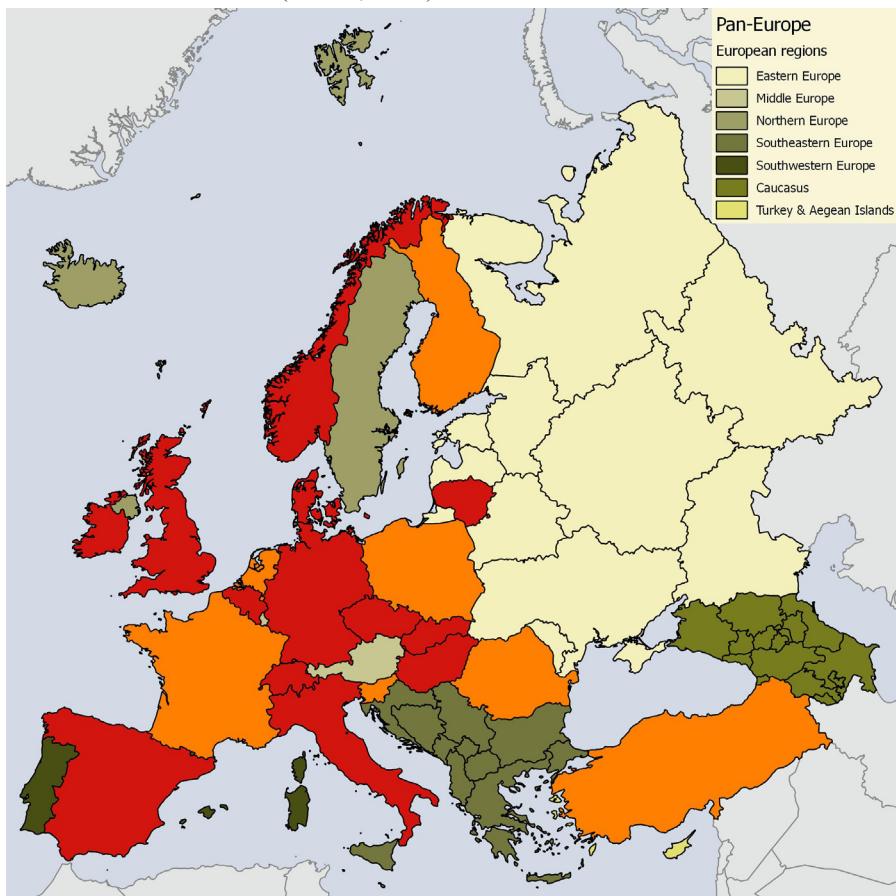
Beuk P. (2002); Byggebjerg, R., Munk, T., & Elnif, J. (2011); Carles-Tolrá M. (2002); Ceianu I. (1989); Chvála M. (1997); Falk SJ, Ismay JW, Chandler PJ. (2016); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Roháček J. (2013); Shatalkin AI, Merz B,(2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Sumner DP. (2017); Withers P. (2004);

*Chyliza vittata* Meigen, 1826

Bernotiene R. (2006); Beuk P. (2002); Bloomfield EN. (1904); Bygebjerg, R., Munk, T., & Elnif, J. (2011); Carles-Tolrá M. (2002); Ceianu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Falk SJ, Ismay JW, Chandler PJ. (2016); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Klasa A, Palaczyk A. (2011); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Roháček J. (2013); Séguay E. (1934); Shatalkin AI. (1986); Shatalkin AI. (2007); Shatalkin AI, Merz B, (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006);

**PSILINAE**

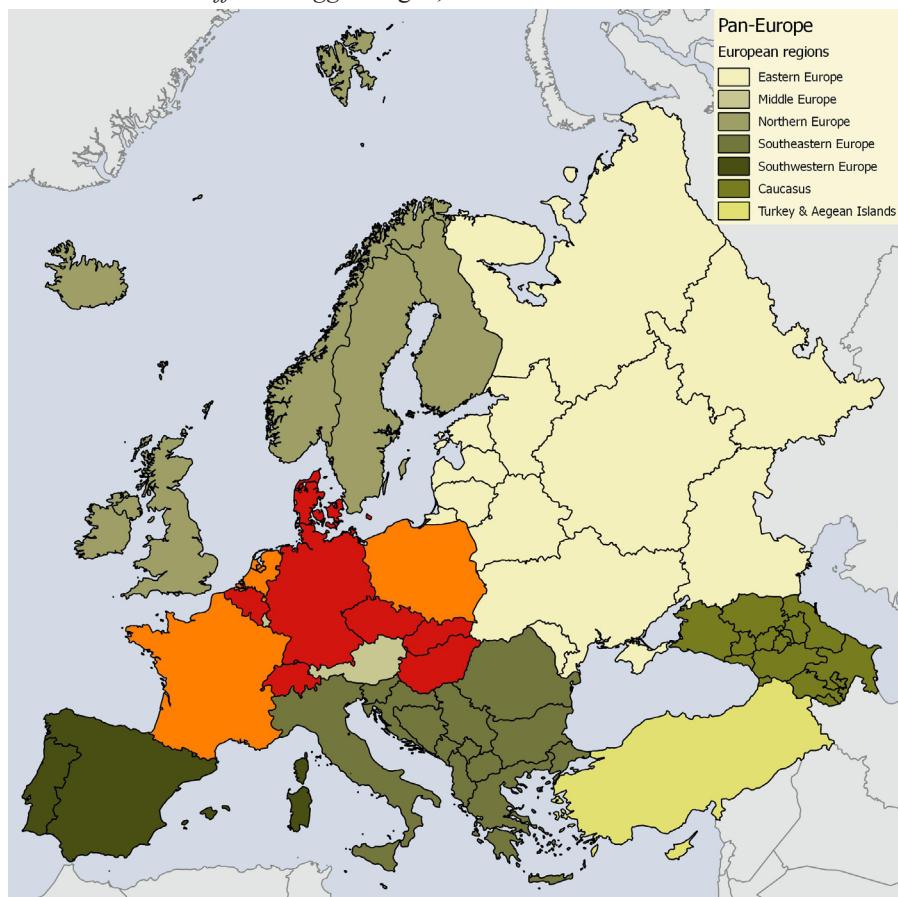
## LOXOCERINI

*Loxocera aristata* (Panzer, 1801)

Bernotiene R. (2006); Ceianu I. (1989); Greve L., Skartveit J. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Shatalkin AI, Merz B, Museum Z, Nikitskaja B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006); Withers P. (2014); Withers P. (2007);

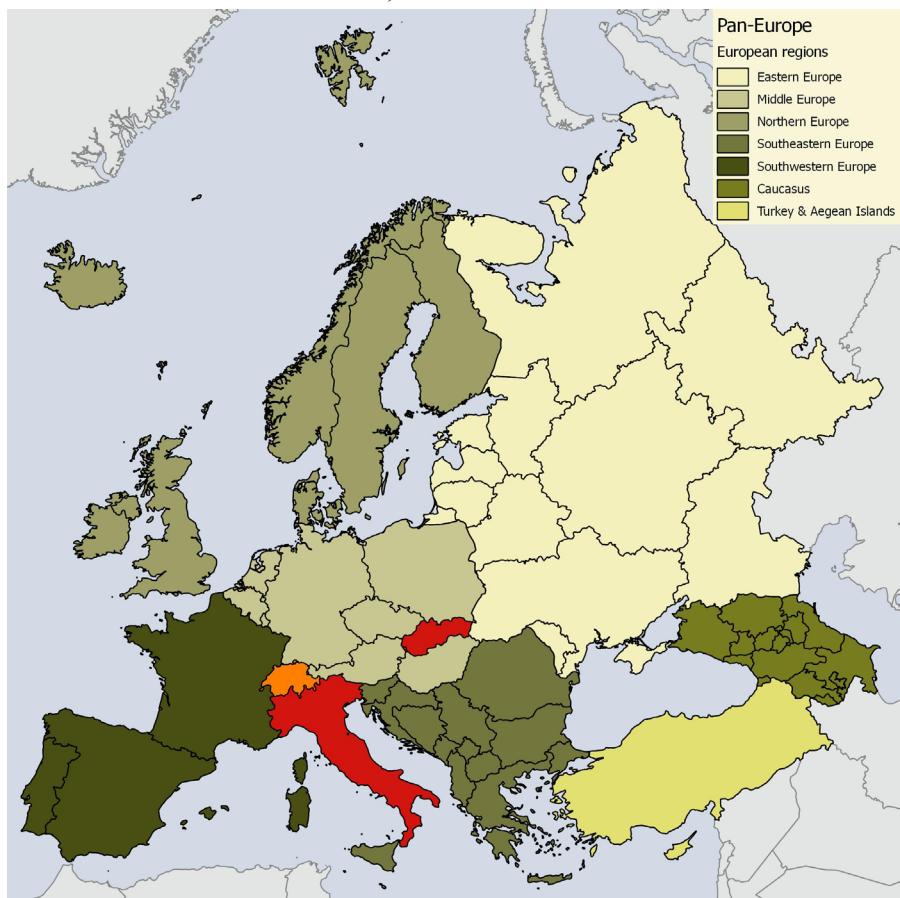
Collections: Slovenija, Schmidt collection 1819 to 1878 from photo of collection boxes.  
Igor Nekrep & Tomi Trilar (pers comm.)

*Loxocera hoffmannseggi* Meigen, 1826

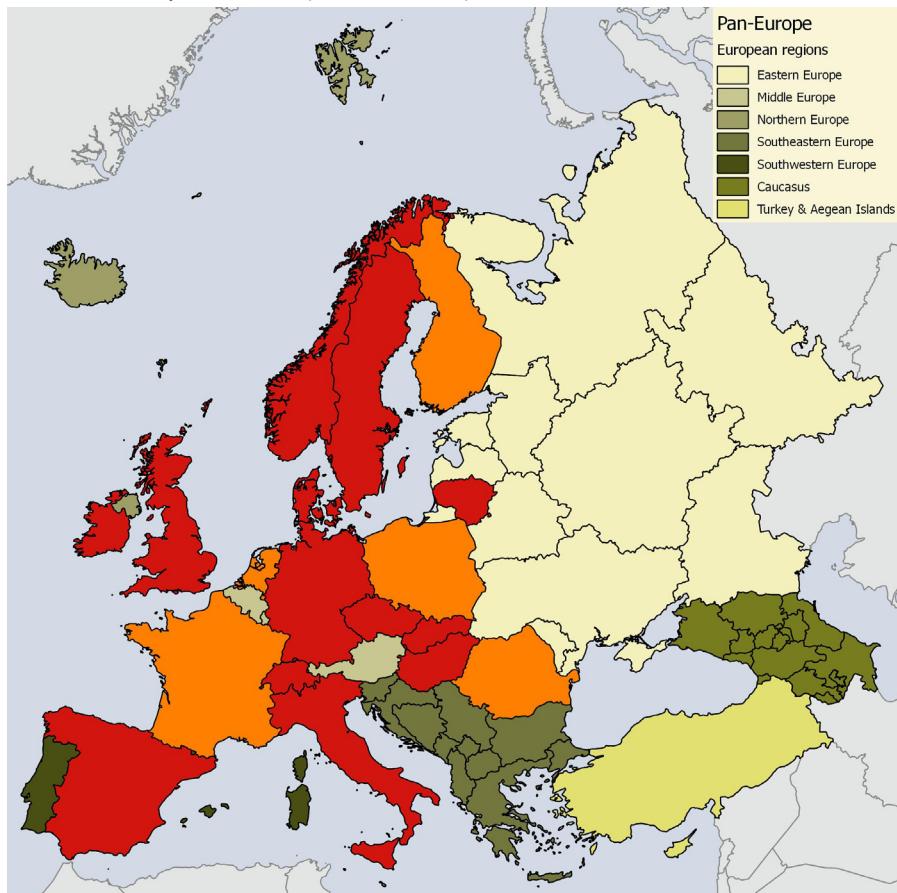


Beuk P. (2002); Chvála M. (1997); Greve L., Skartveit J. (2001); Grootaert P., De Bruyn L., De Meyer M. (1991); Muchowski V., Zatwarnicki T. (2001); Séguy E. (1934); Shatalkin AI, Merz B. (2010);

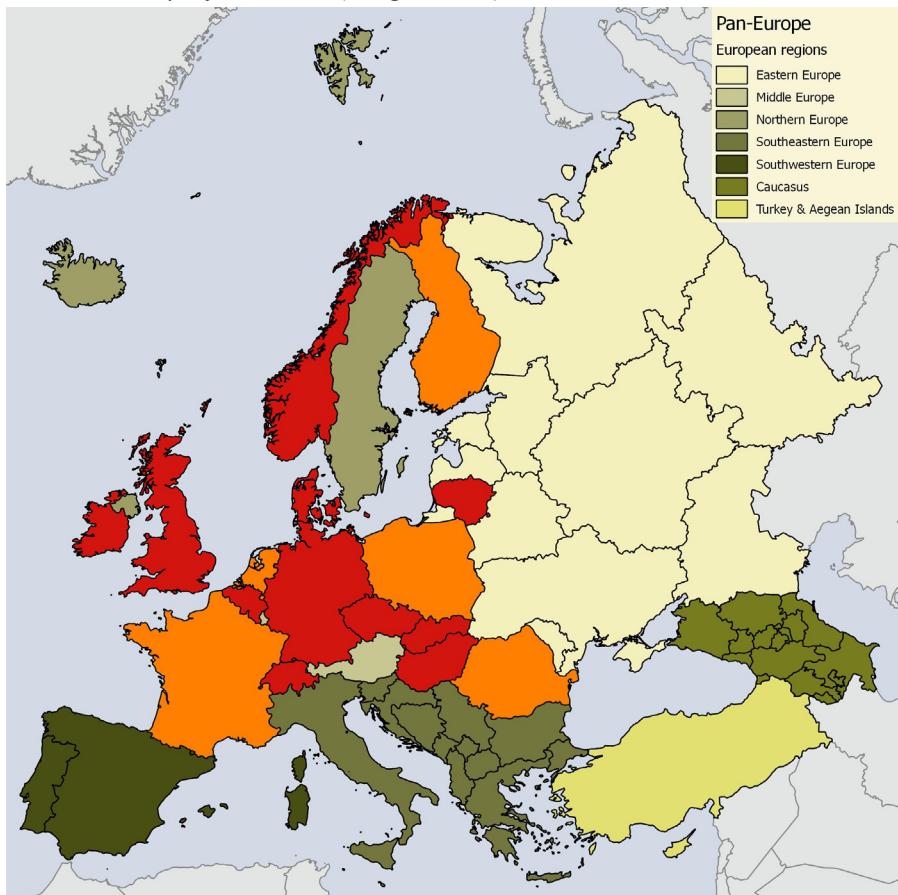
*Loxocera maculata* Rondani, 1876



Chvála M. (1997); Shatalkin AI, Merz B. (2010);

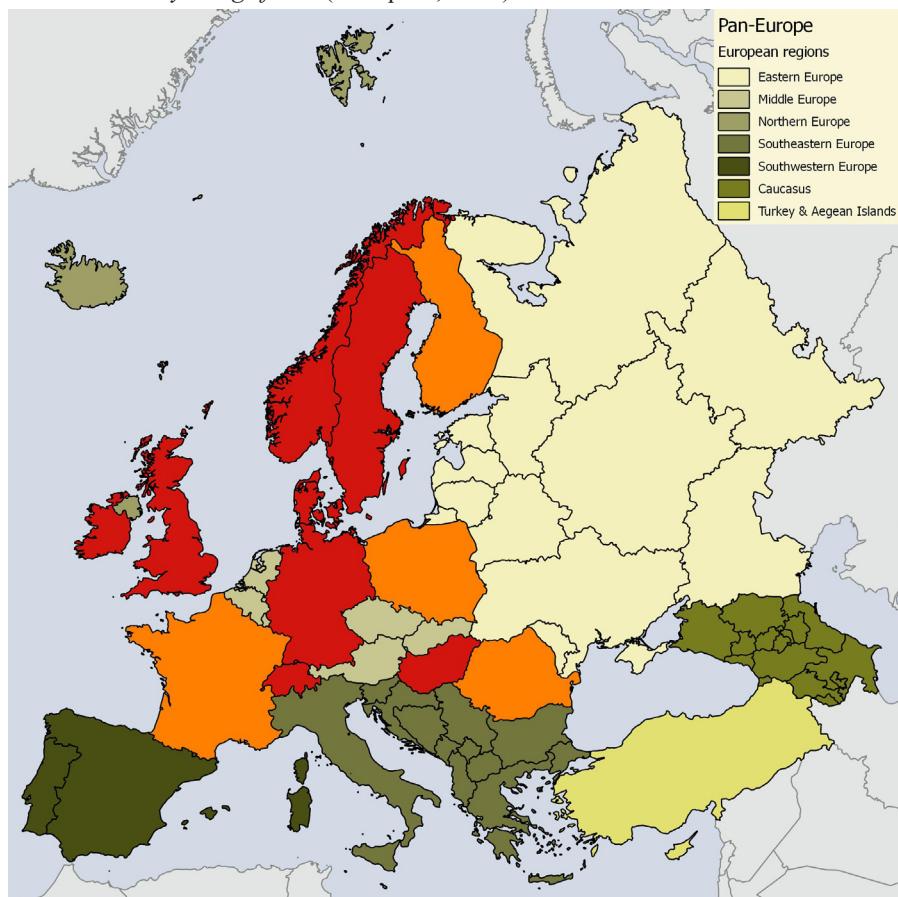
*Imantomyia albiseta* (Schrank, 1803)

Bernotiene R. (2006); Beuk P. (2002); Carles-Tolrá M. (2002); Ceanu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Greve L., Skartveit J. (2001); Kahanpää J. (2011); Kahanpää J., Salmela J. (2014); Kahanpää J., Stuke JH. (2014); Muchowski V., Zatwarnicki T. (2001); Pakalniškis S., Rimšaitė J., Sprangauskaitė-Bernotienė R., Butautaitė R., Podėnas S. (2000); Rotheray GE et. al (2013); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006); Sumner DP. (2017); Withers P. (2014); Withers P. (2007);

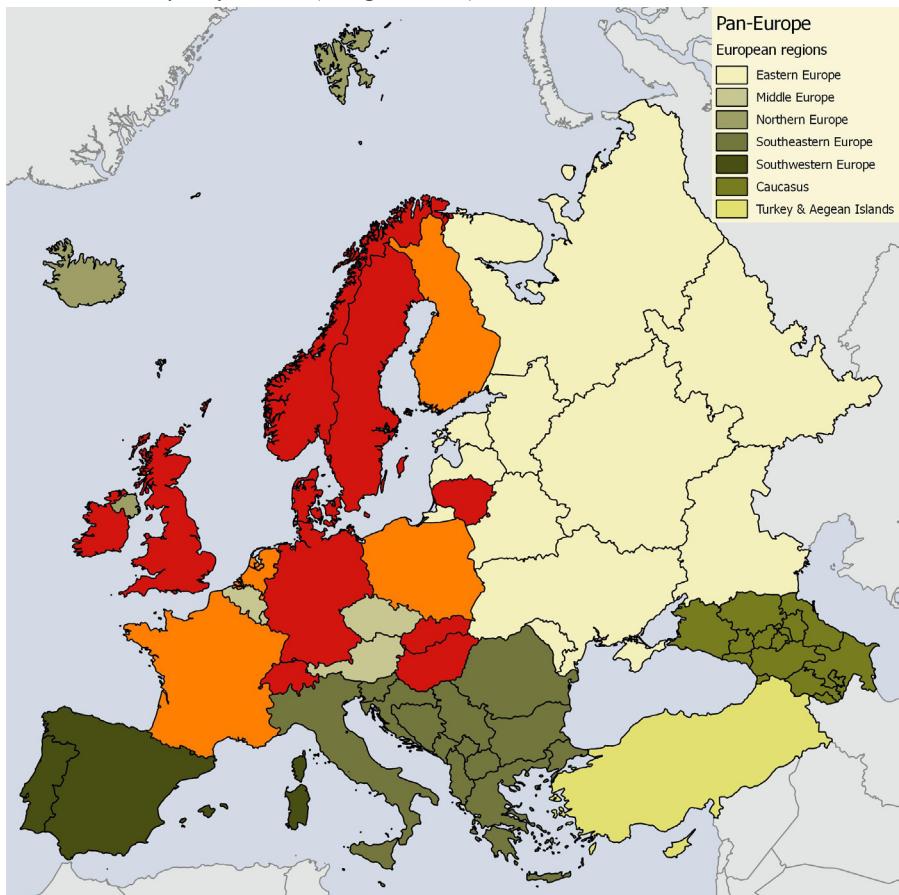
*Imantomyia fulviventris* (Meigen, 1826)

Bernotiene R. (2006); Beuk P. (2002); Ceianu I. (1989); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Greve L., Skartveit J. (2001); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Ségu E. (1934); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Sumner DP. (2017); Withers P. (2007);

*Imantomyia nigrifrons* (Macquart, 1835)



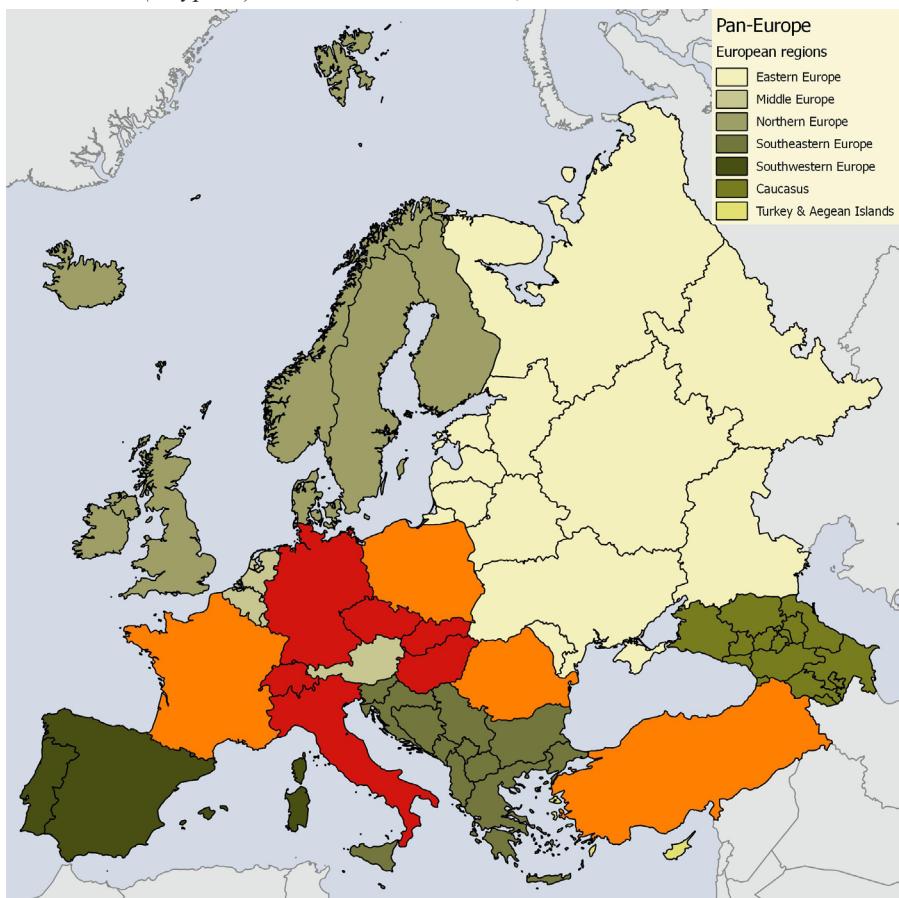
Ceanu I. (1989); Falk SJ, Ismay JW, Chandler PJ. (2016); Greve L., Skartveit J. (2001); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muhowski V, Zatwarnicki T. (2001); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Sumner DP. (2017);

*Imantomyia sylvatica* (Meigen, 1826)

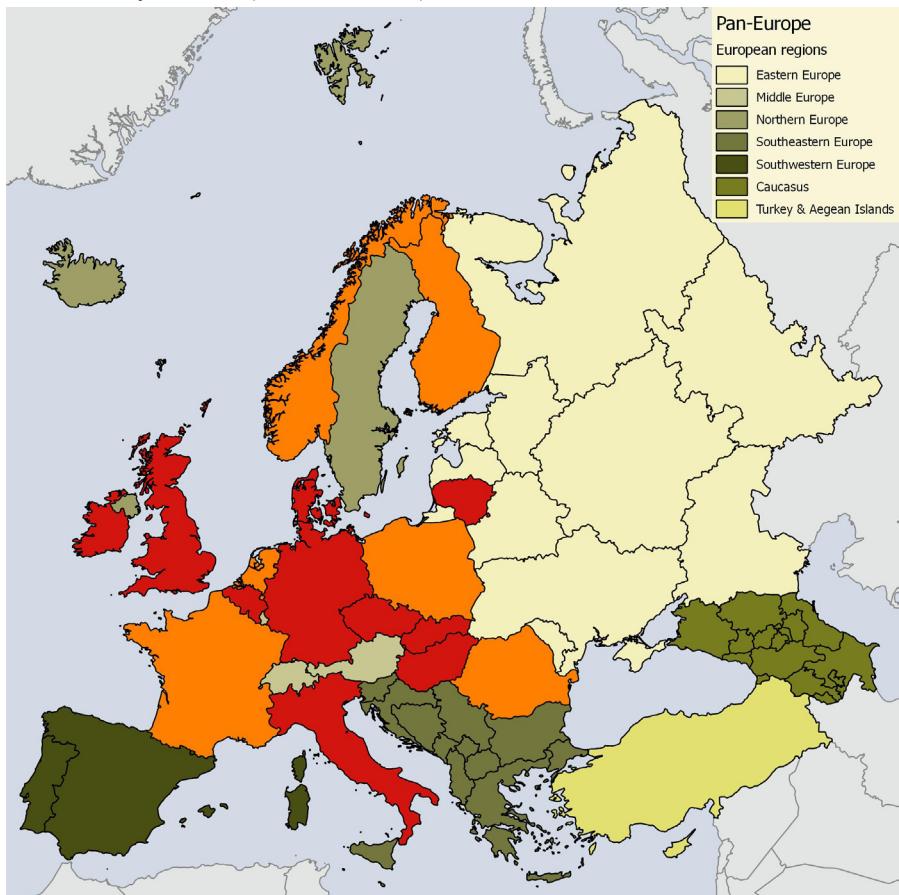
Barták M. (1998); Bernotiene R. (2006); Beuk P. (2002); Bland KP, Rotheray GE. (2002); Chandler PJ. (1975); Chvála M. (1997); Greve L., Skartveit J. (2001); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006); Sumner DP. (2017);

PSILINI

*Psila (Oxypsila) abdominalis* Schummel, 1844

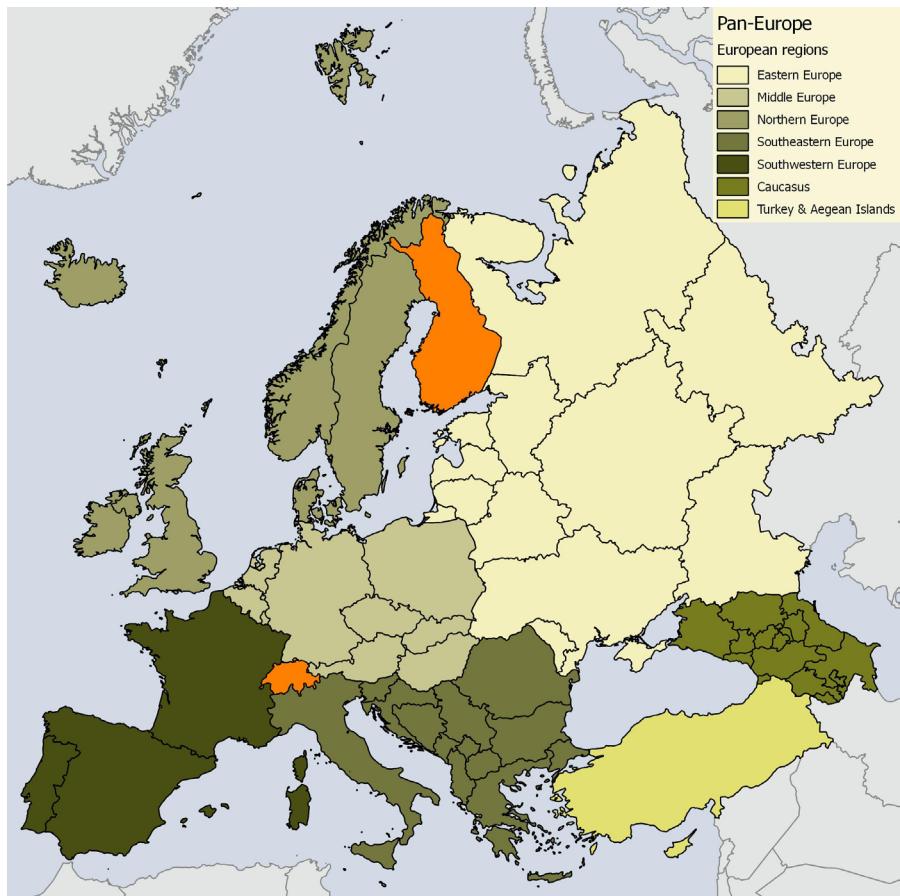


Ceanau I. (1989); Chvála M. (1997); Koçak AÖ, Kemal M. (2014); Koçak AÖ, Kemal M. (2013); Muchowski V, Zatwarnicki T. (2001); Séguy E. (1934);

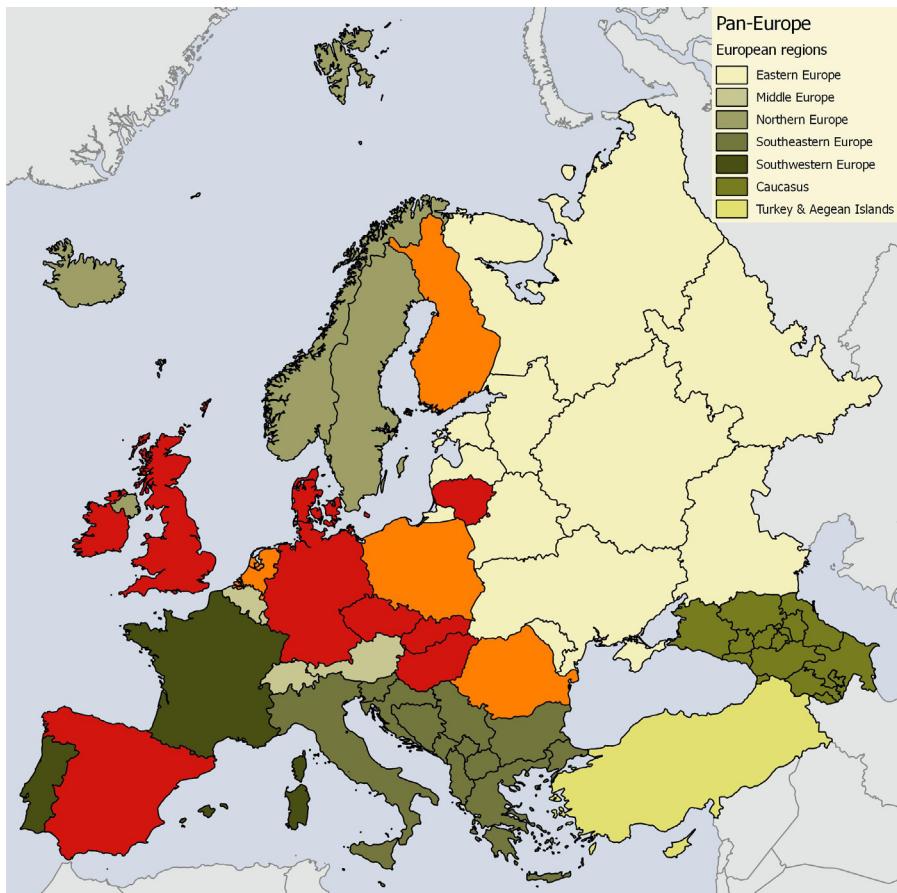
*Psila fimetaria* (Linnaeus, 1761)

Bernotiene R. (2006); Beuk P. (2002); Ceianu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Gammelmo Ø, Søli G. (2011); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Klasa A, Palaczik A. (2011); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Petrašiūnas A, Lutovinovas E. (2015); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Stuke JH. (2006); Sumner DP. (2017); Withers P. (2014); Withers P. (2007);

*Psila helvetica* Shatalkin & Merz, 2010

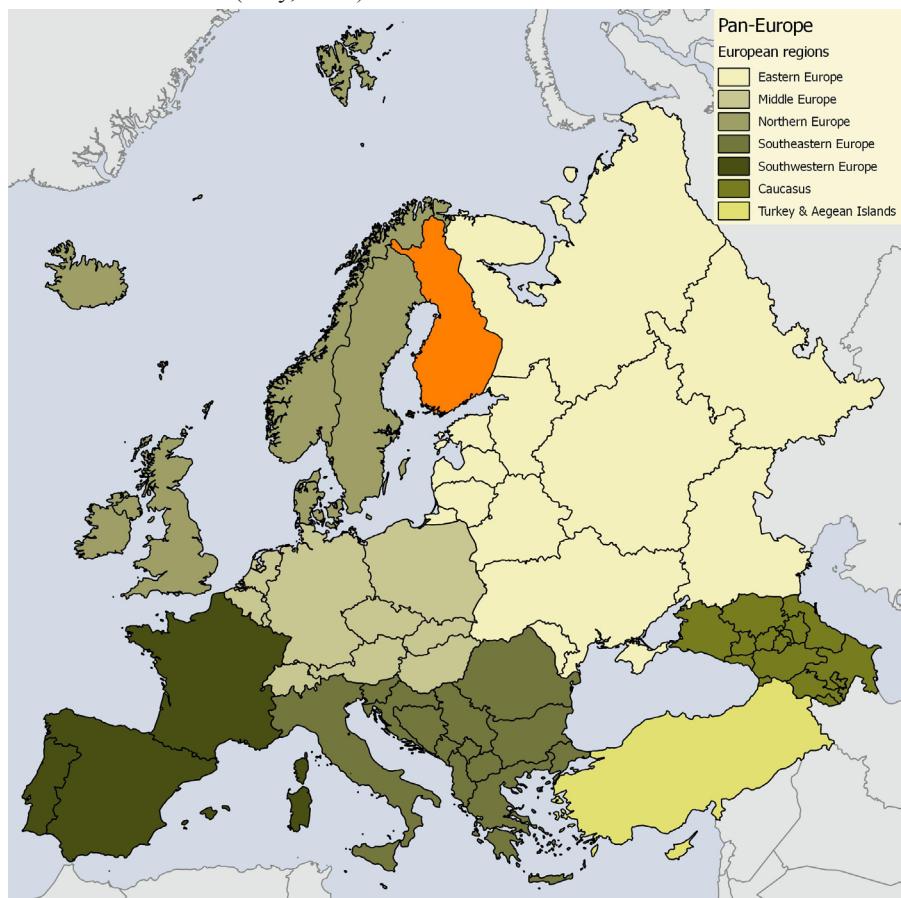


Kahanpää J, Stuke JH. (2014); Shatalkin AI, Merz B. (2010);

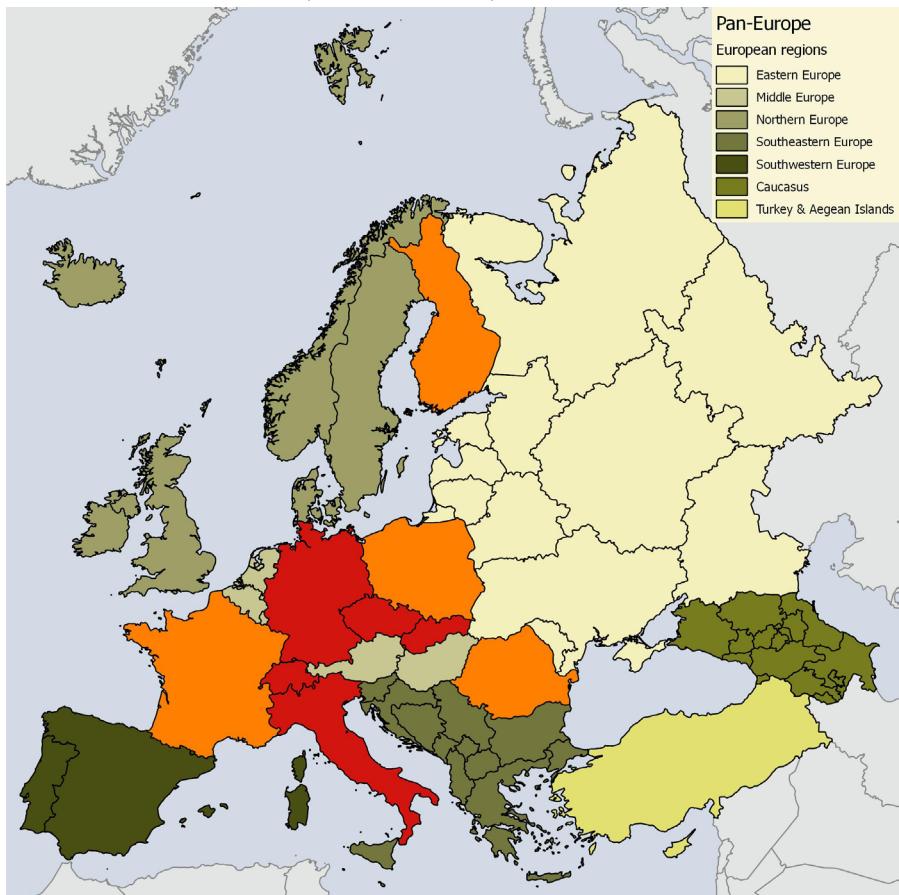
*Psila merdaria* Collin, 1944

Bernotiene R. (2006); Beuk P. (2002); Carles-Tolrá M. (2002); Ceanu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Collin JE. (1944); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Petrašiūnas A, Lutovinovas E. (2015); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006); Sumner DP. (2017);

*Psila sibirica* (Frey, 1925) *incertae sedis*

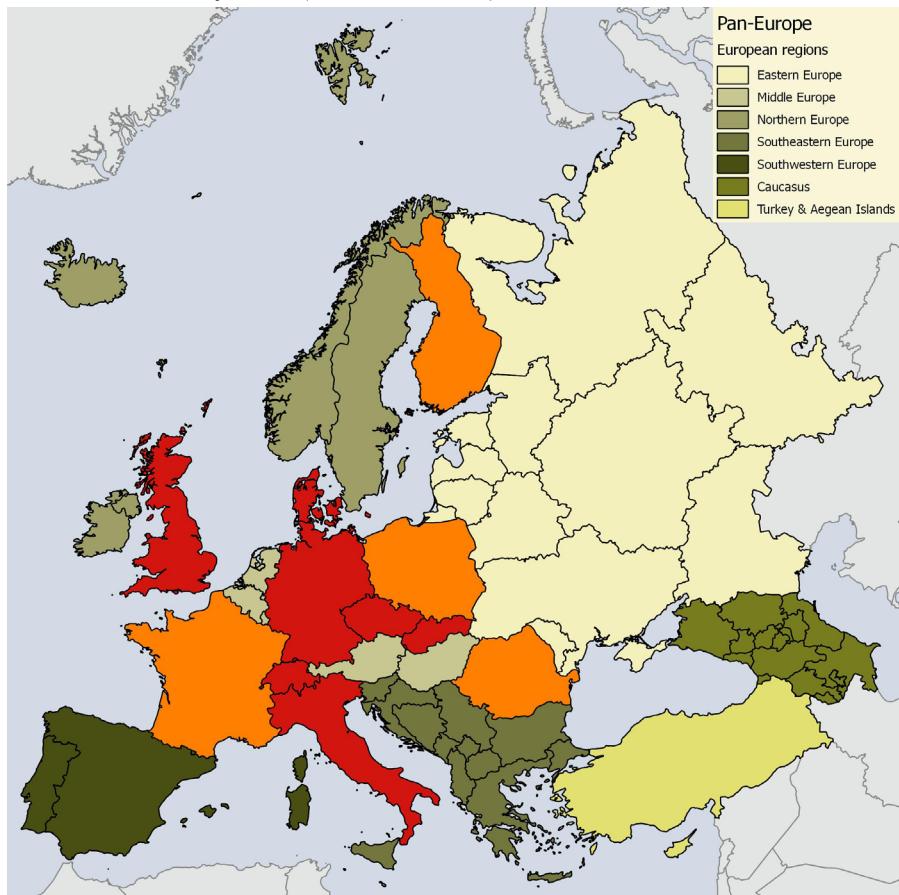


Kahanpaa J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014);

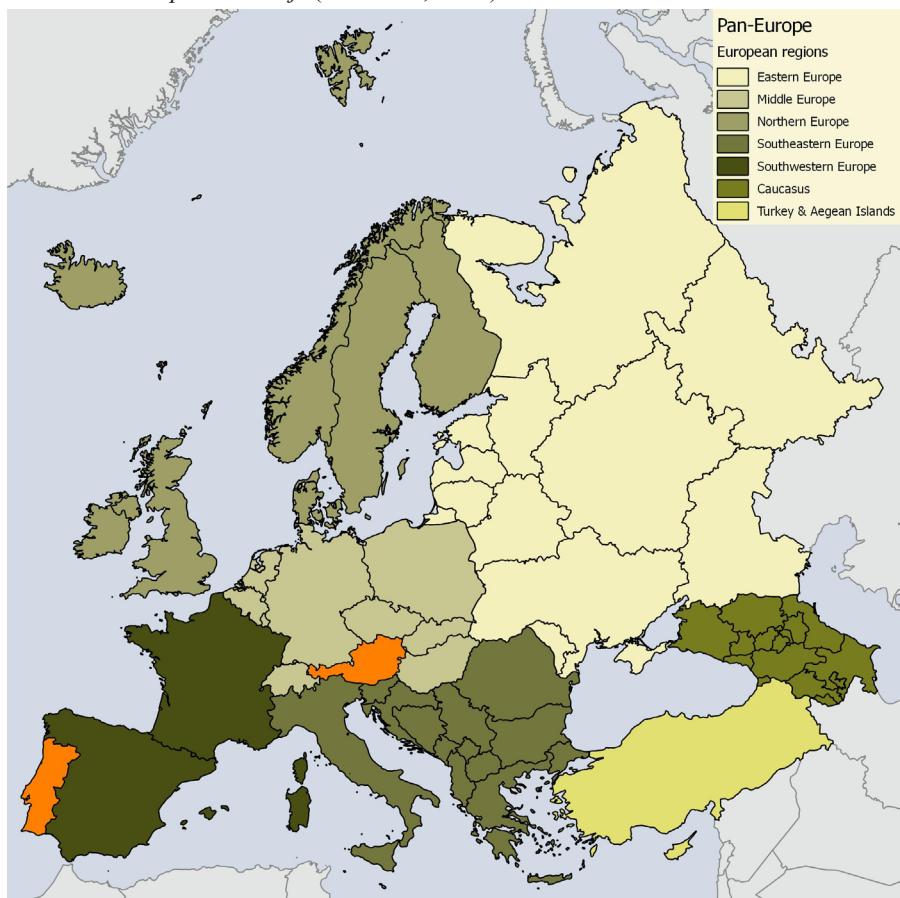
*Psilosoma audouini* (Zetterstedt, 1835)

Ceanu I. (1989); Chvála M. (1997); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014);  
Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Séguy E. (1934);  
Shatalkin AI, Merz B. (2010);

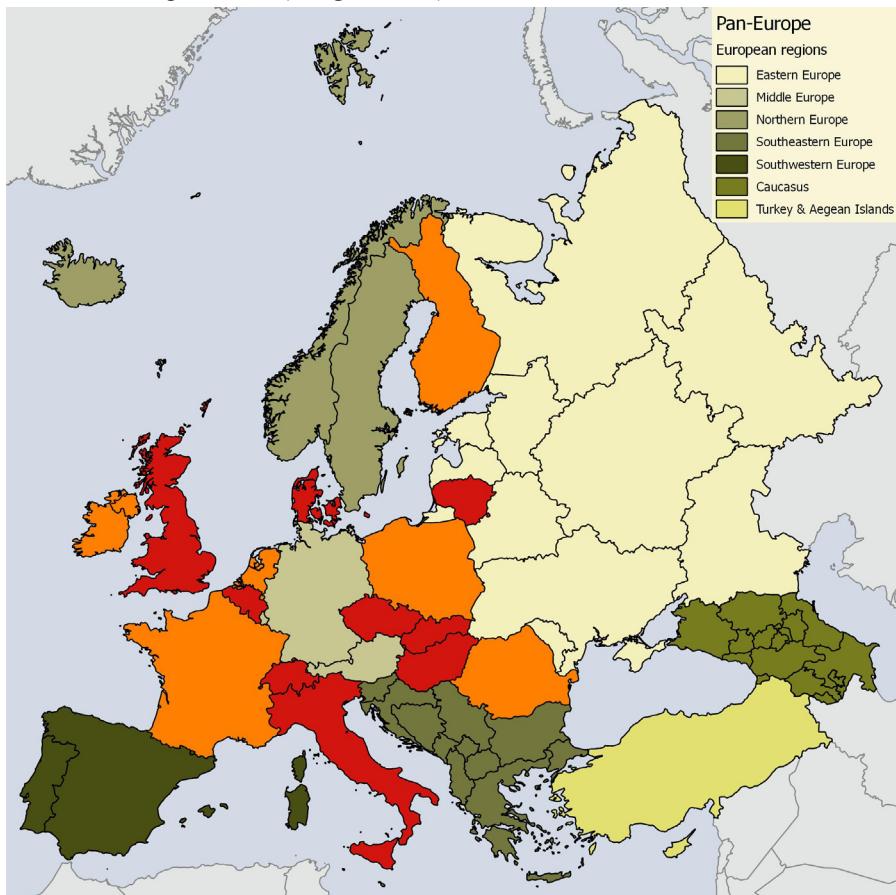
*Psilosoma lefebvrei* (Zetterstedt, 1835)



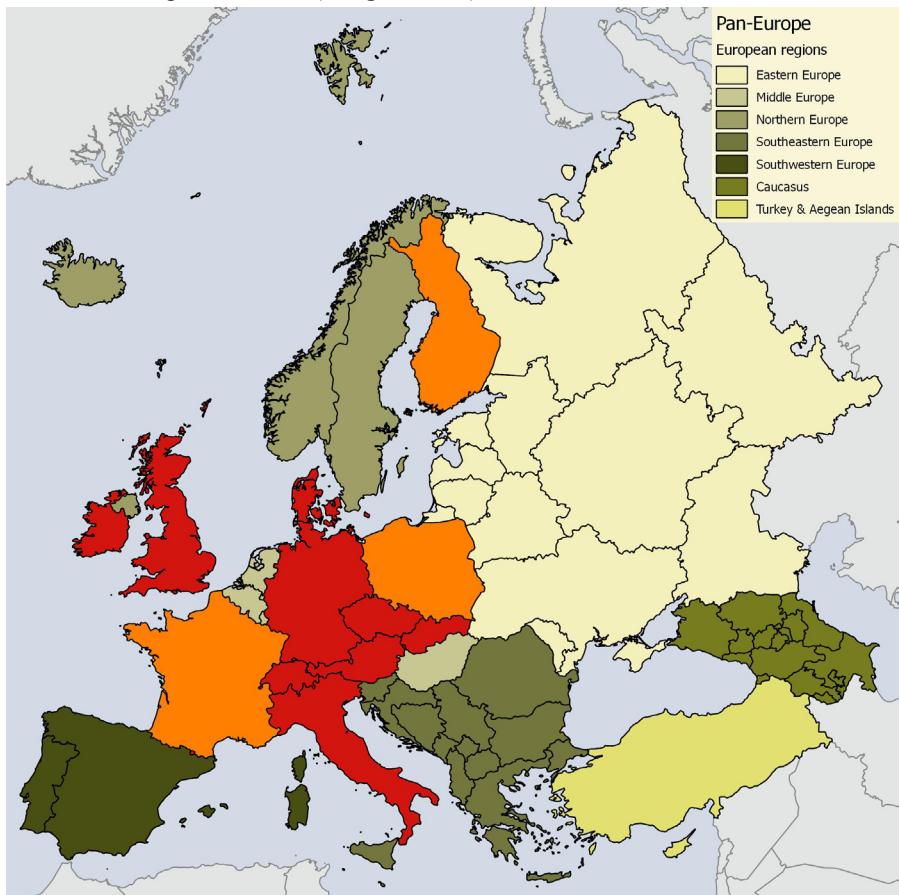
Ceanu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Séguin E. (1934); Shatalkin AI, Merz B. (2010); Sumner DP. (2017);

*Chamaepsila andreji* (Shatalkin, 1996)

Roháček J. (2013); Roháček J, Barták M, Preisler J. (2016); Shatalkin AI. (1996);

*Chamaepsila atra* (Meigen, 1826)

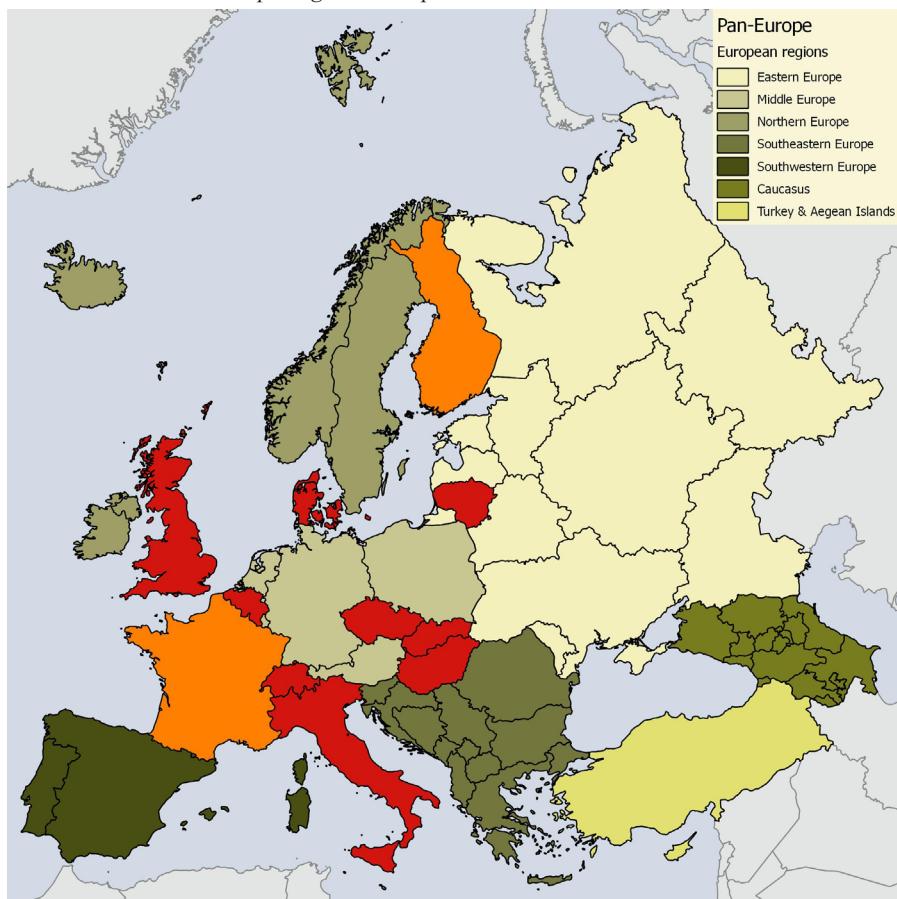
Barták M. (1998); Bernotienė R. (2006); Beuk P. (2002); Carles-Tolrá M. (2002); Ceianu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Sumner DP. (2017); Winqvist K. (2011);

*Chamaepsila bicolor* (Meigen, 1826)

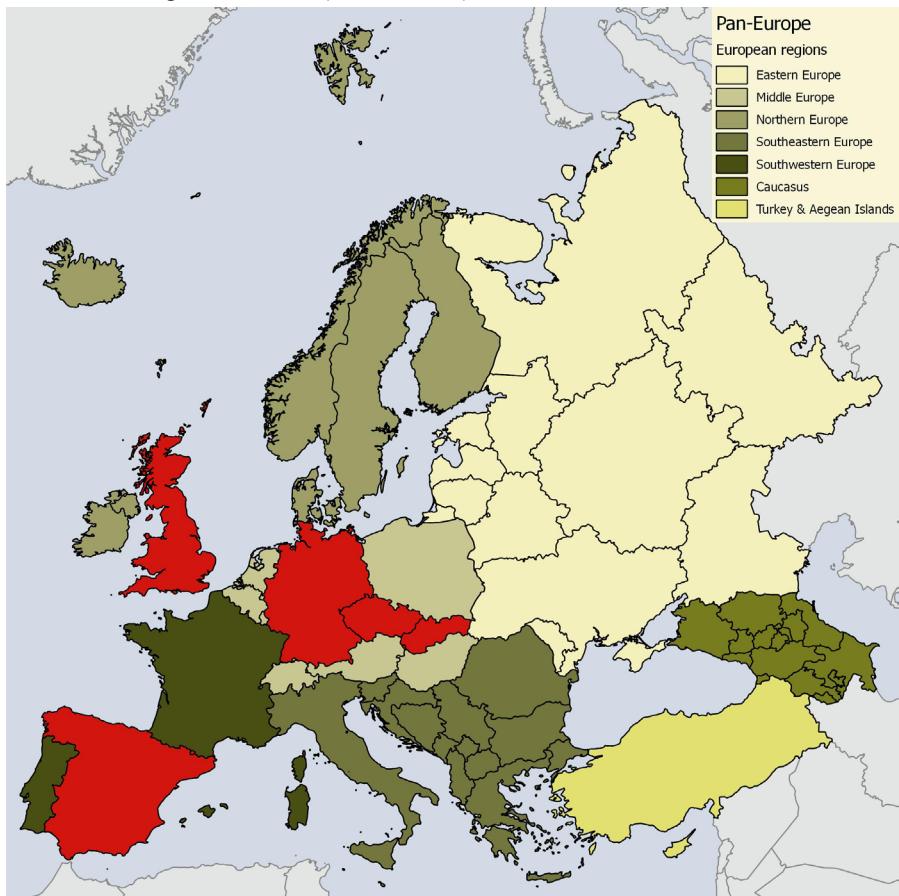
Carles-Tolrá M. (1993); Carles-Tolrá M. (2002); Chandler PJ. (1975); Chvála M. (1997); Kahanpää J. (2011); Kahanpää J., Salmela J. (2014); Kahanpää J., Stuke JH. (2014); Muchowski V., Zatwarnicki T. (2001); Séguay E. (1934); Shatalkin AI, Merz B. (2010); Sumner DP. (2017);

*Chamaepsila buccata* (Fallén, 1826)

also see *Chamaepsila gracilis* map

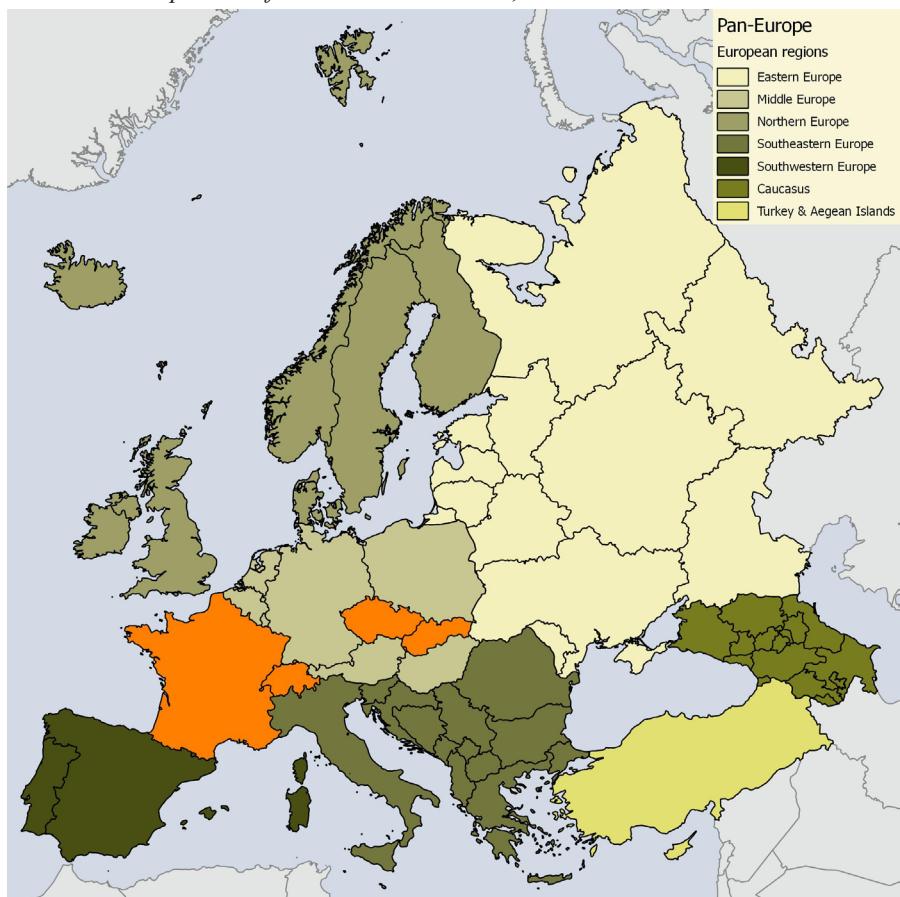


Bernotiene R. (2006); Collin JE. (1944); Freidberg, A.; Shatalkin A. (2008); Humala AE, Polevo KV. (2009); Kahanpaa J. (2011); Kahanpää J., Salmela J. (2014); Kahanpää J., Stuke JH. (2014); Meier R, MacGowan I, Petersen F. (2001); Roháček J. (2012); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Soós Á. (1985); Sumner DP. (2017);

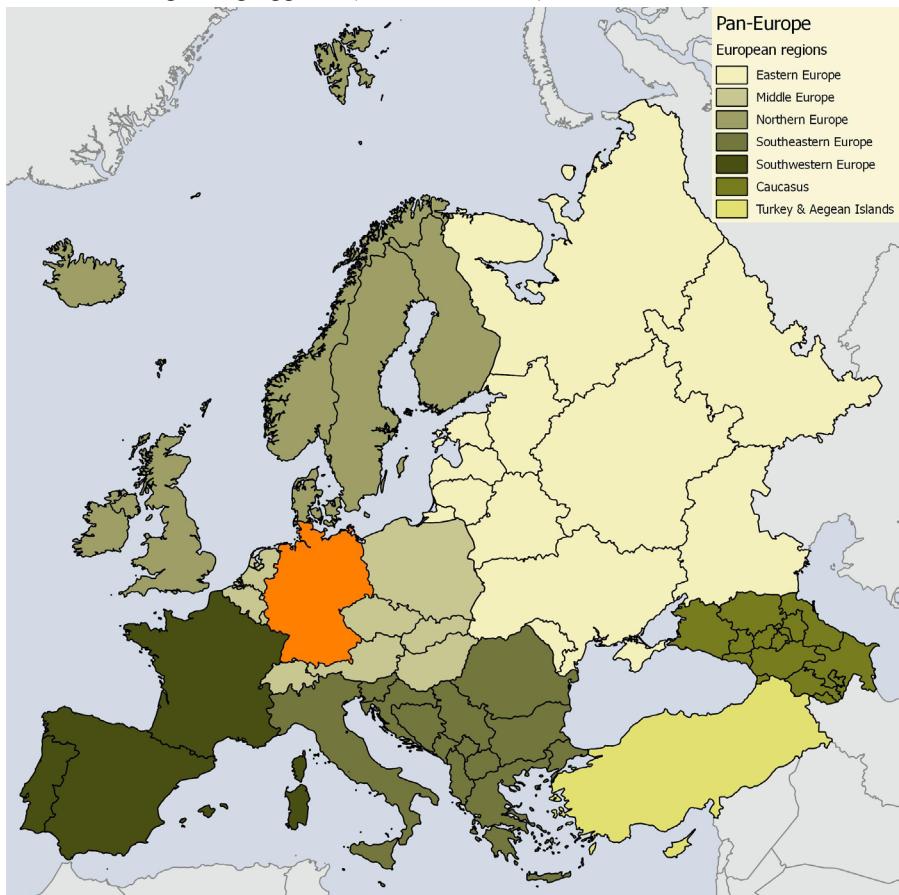
*Chamaepsila clunalis* (Collin, 1944)

Carles-Tolrá M. (2002); Chvála M. (1997); Falk SJ, Ismay JW, Chandler PJ. (2016);  
Sumner DP. (2017);

*Chamaepsila confusa* Shatalkin & Merz, 2010



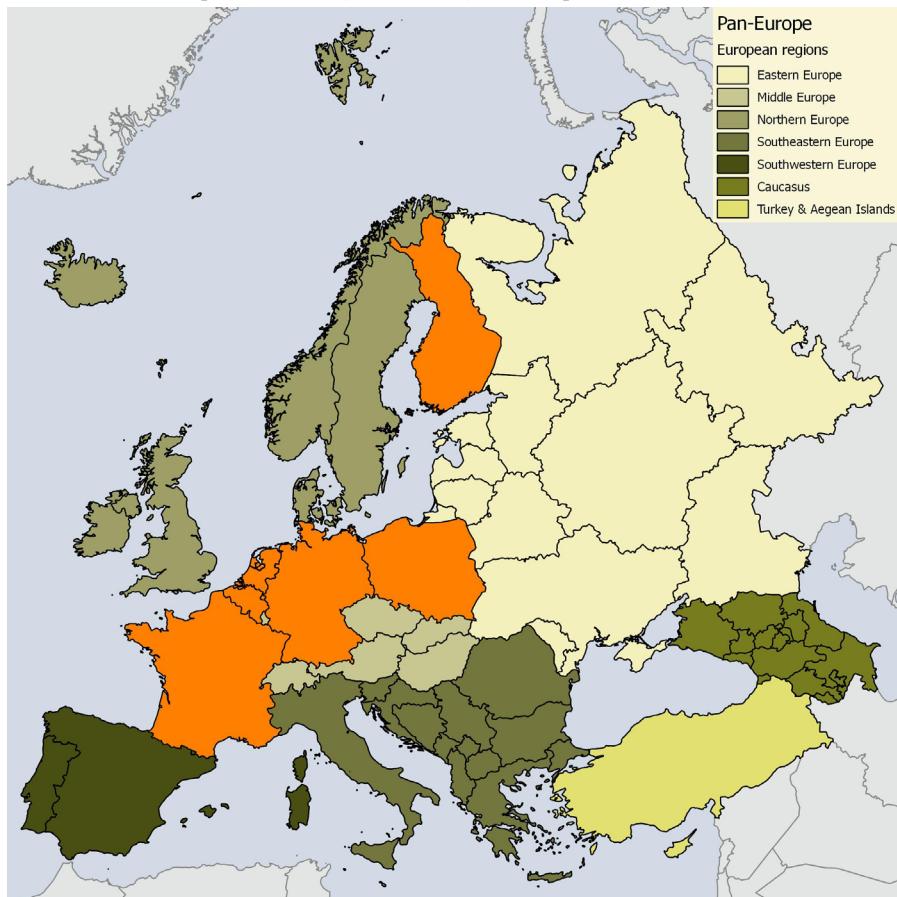
Roháček J. (2013); Roháček J, Barták M, Preisler J. (2016); Shatalkin AI, Merz B. (2010);

*Chamaepsila ephippium* (Zetterstedt, 1847)

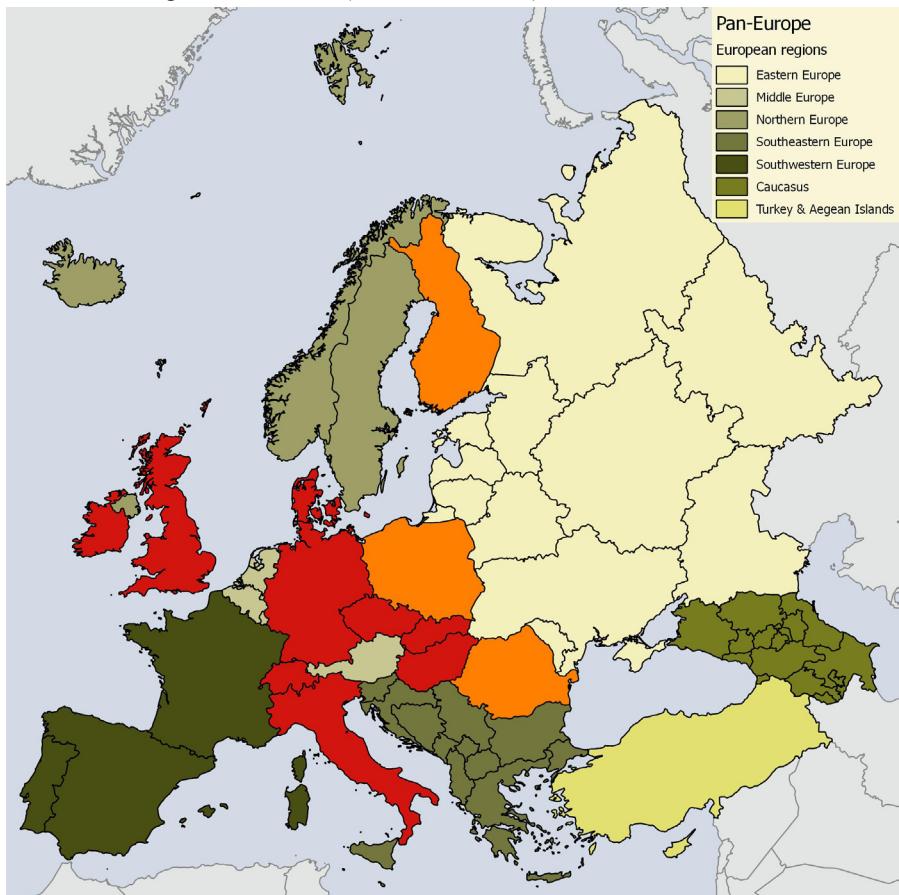
Schumann H. (2009); Soós Á. (1985); Stuke JH. (2006);

*Chamaepsila gracilis* (Meigen, 1826) *incertae sedis*

“Most workers currently accept the opinion of Soós (1985) that this is a synonym of *Chamaepsila buccata* (Fallén, 1826)” Irwin - pers comm.

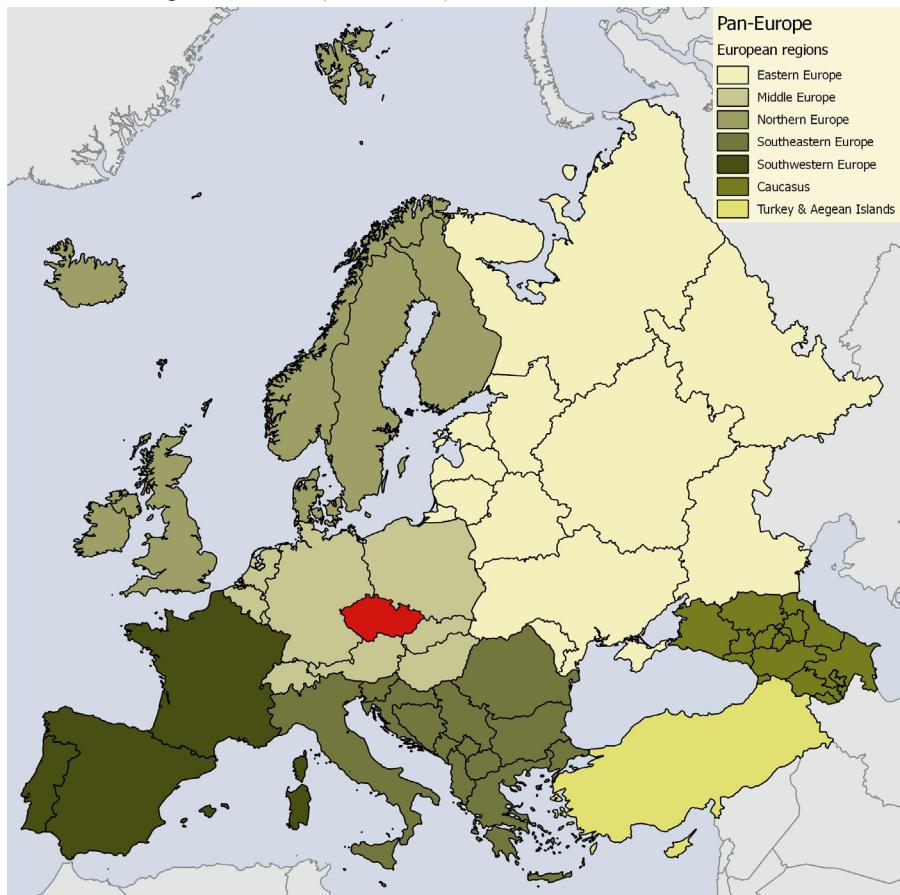


Beuk P. (2002); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Séguy E. (1934); Stuke JH. (2006);

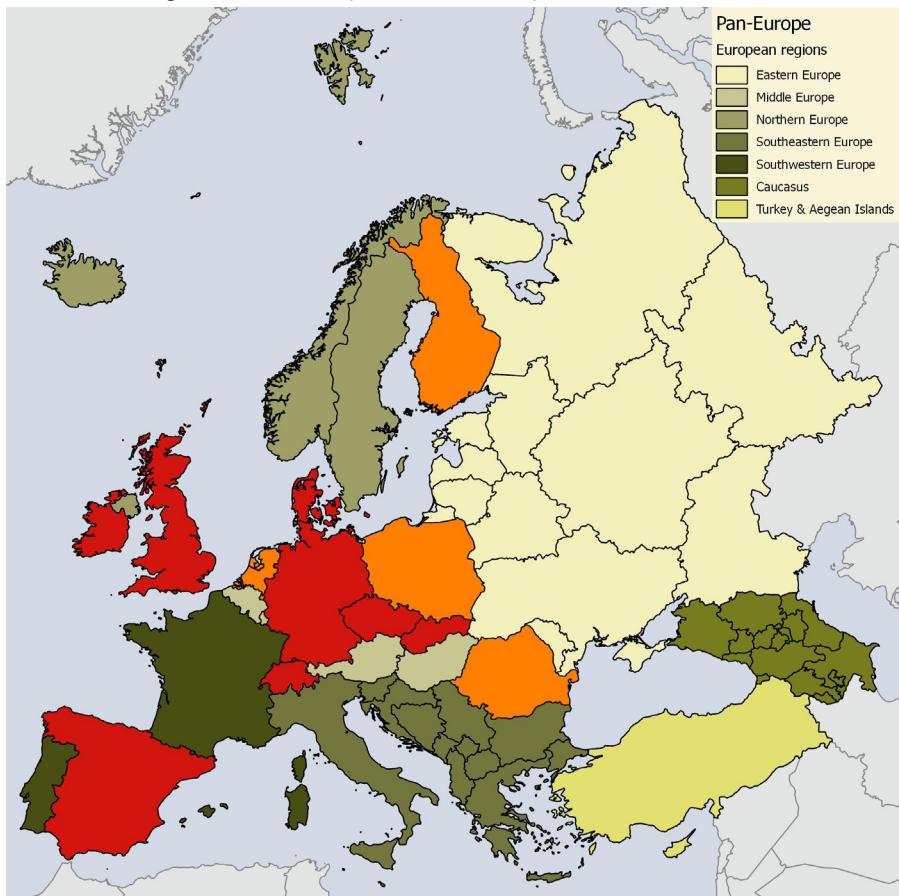
*Chamaepsila humeralis* (Zetterstedt, 1847)

Barták M. (1998); Ceianu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Shatalkin AI, Merz B. (2010); Soós Á. (1985); Stuke JH. (2006); Sumner DP. (2017);

*Chamaepsila kaszabi* (Soós, 1974)

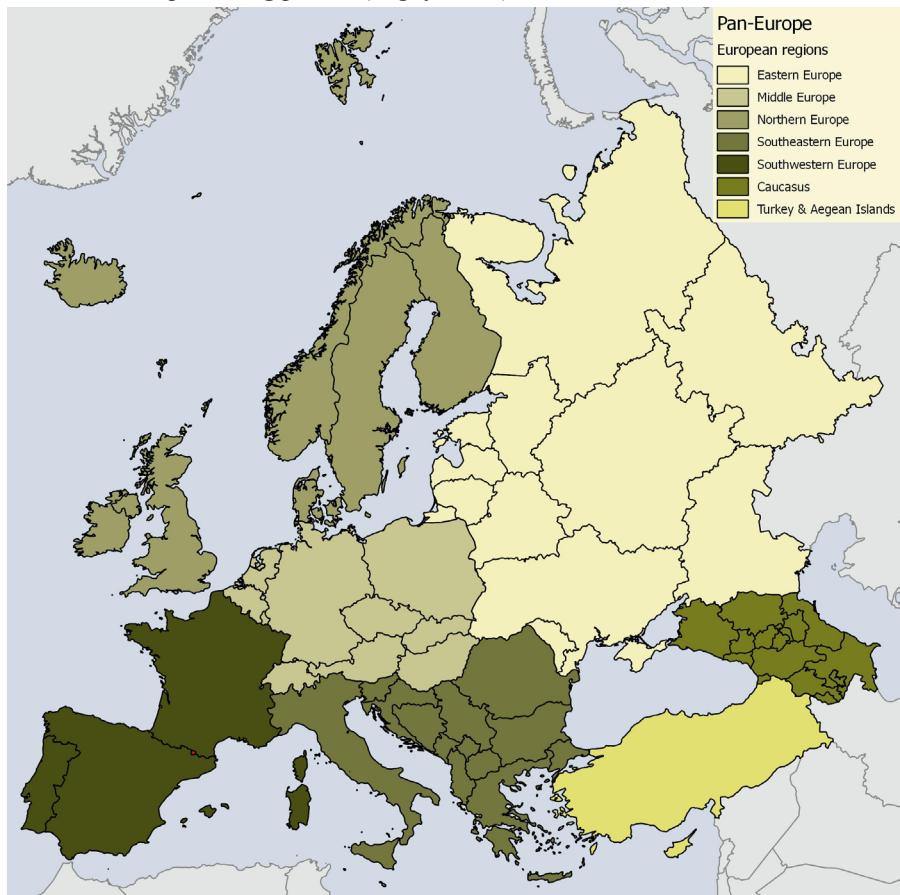


Chvála M. (1997); Freidberg, A.; Shatalkin A. (2008);

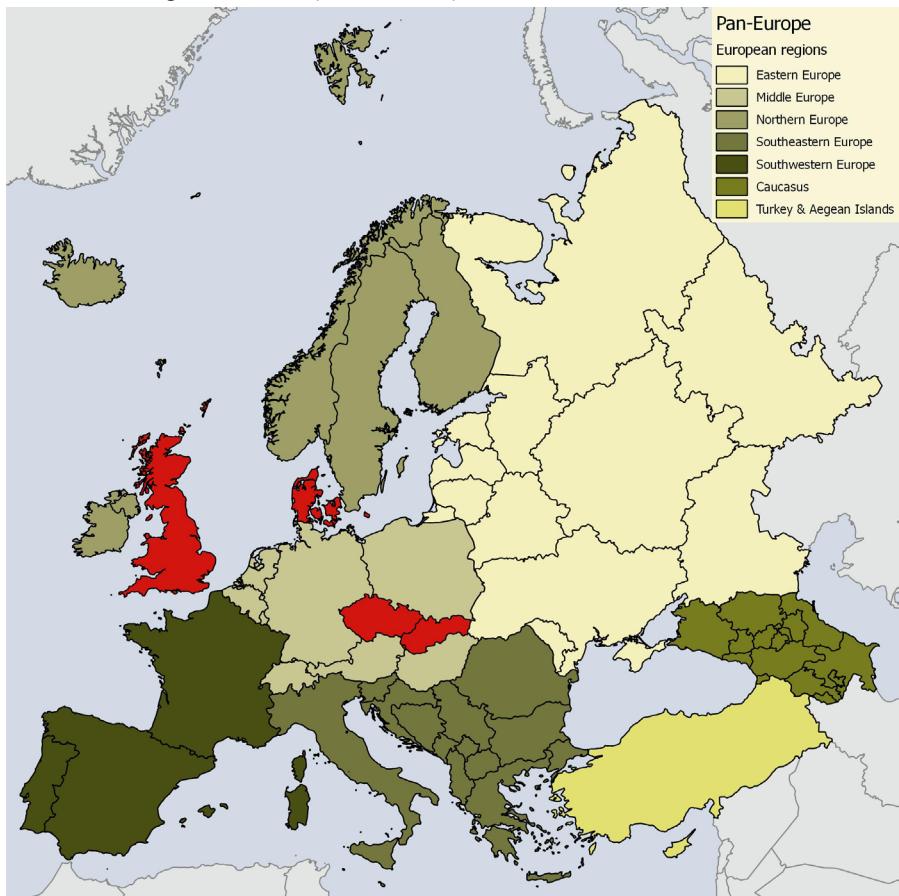
*Chamaepsila limbarella* (Zetterstedt, 1847)

Beuk P. (2002); Ceianu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Shatalkin AI, Merz B. (2010); Soós Á. (1985); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006); Sumner DP. (2017);

*Chamaepsila longipennis* (Seguy, 1936)

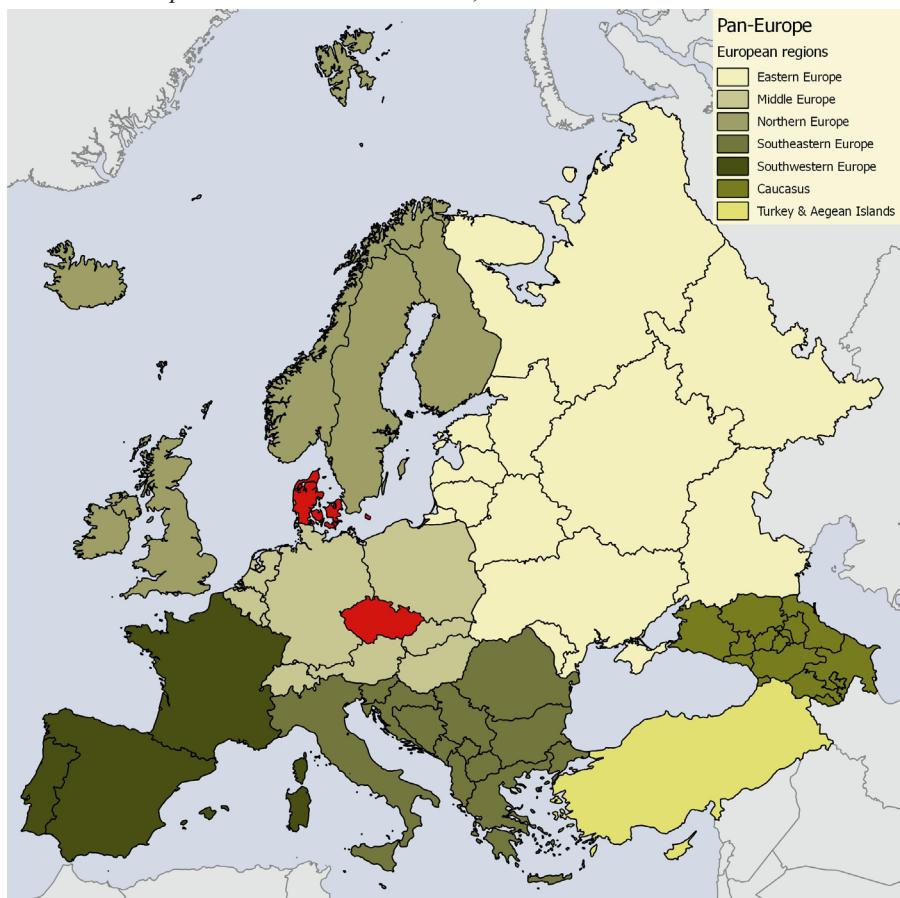


Carles-Tolrá M. (1998); Carles-Tolrá M. (2002);

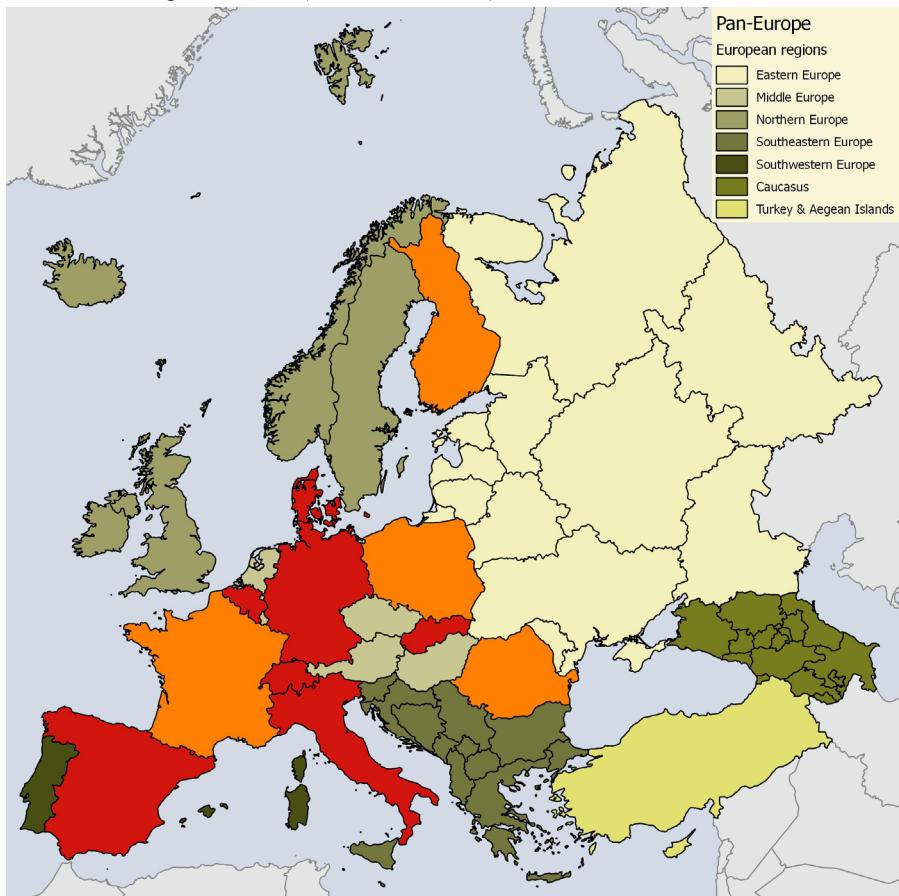
*Chamaepsila luteola* (Collin, 1944)

Chvála M. (1997); Collin JE. (1944); Falk SJ, Ismay JW, Chandler PJ. (2016); Sumner DP. (2017);

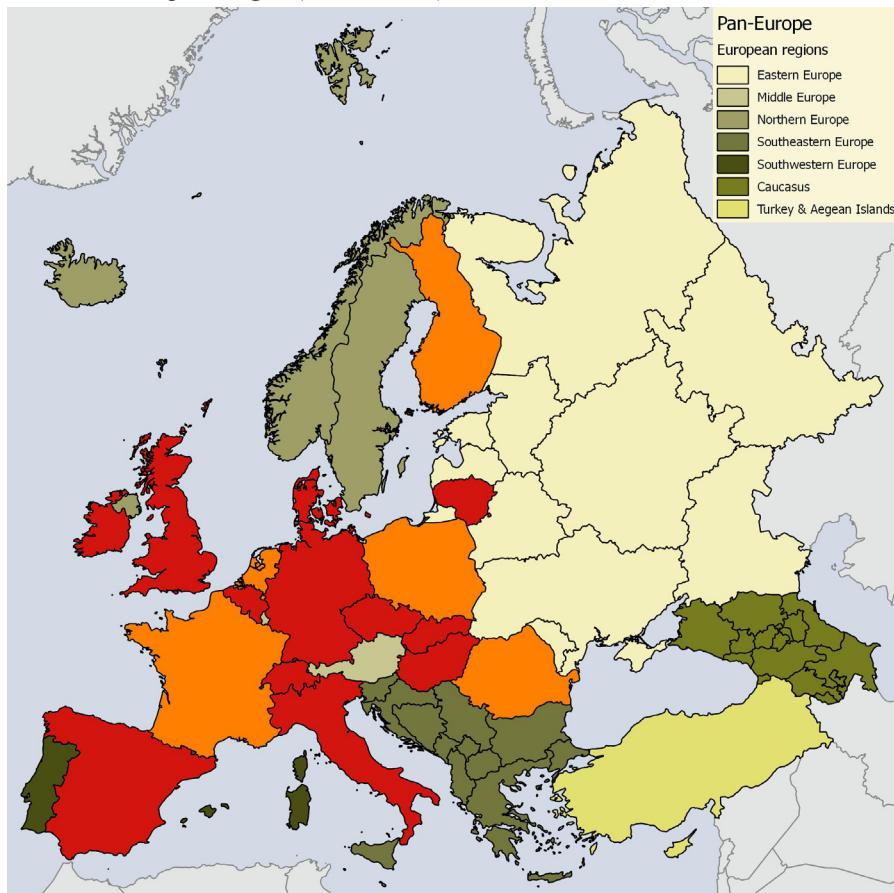
*Chamaepsila martineki* Carles-Tolra, 1993



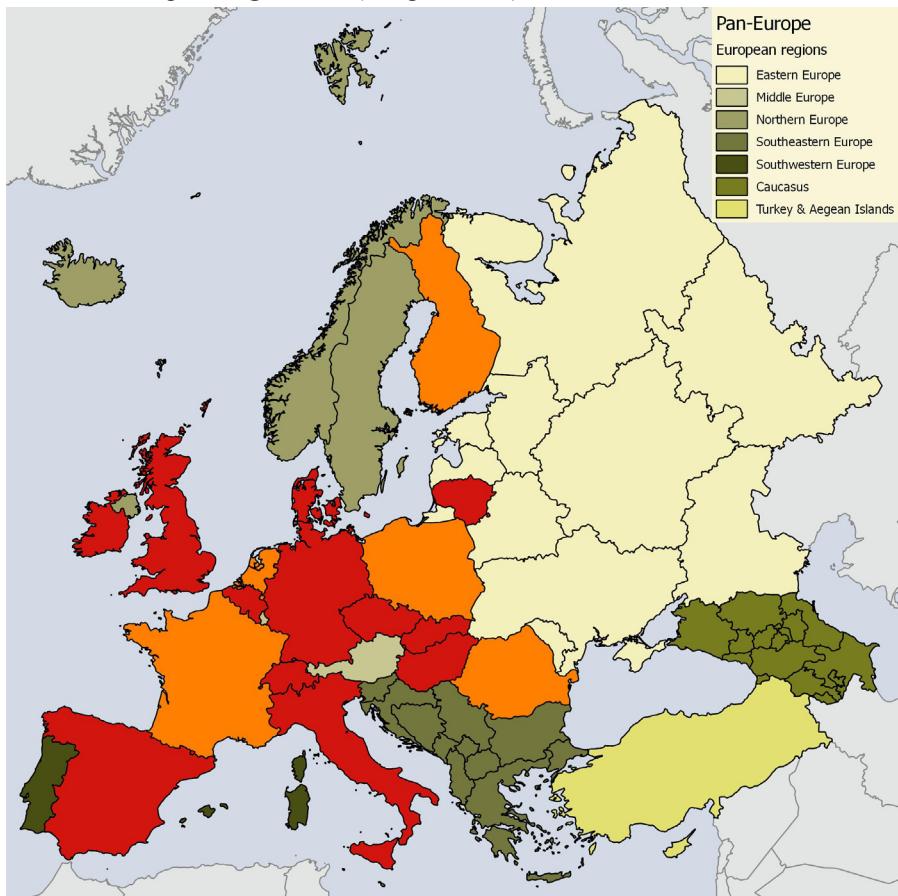
Chvála M. (1997);

*Chamaepsila morio* (Zetterstedt, 1835)

Carles-Tolrá M. (2002); Ceianu I. (1989); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Soós Á. (1985);

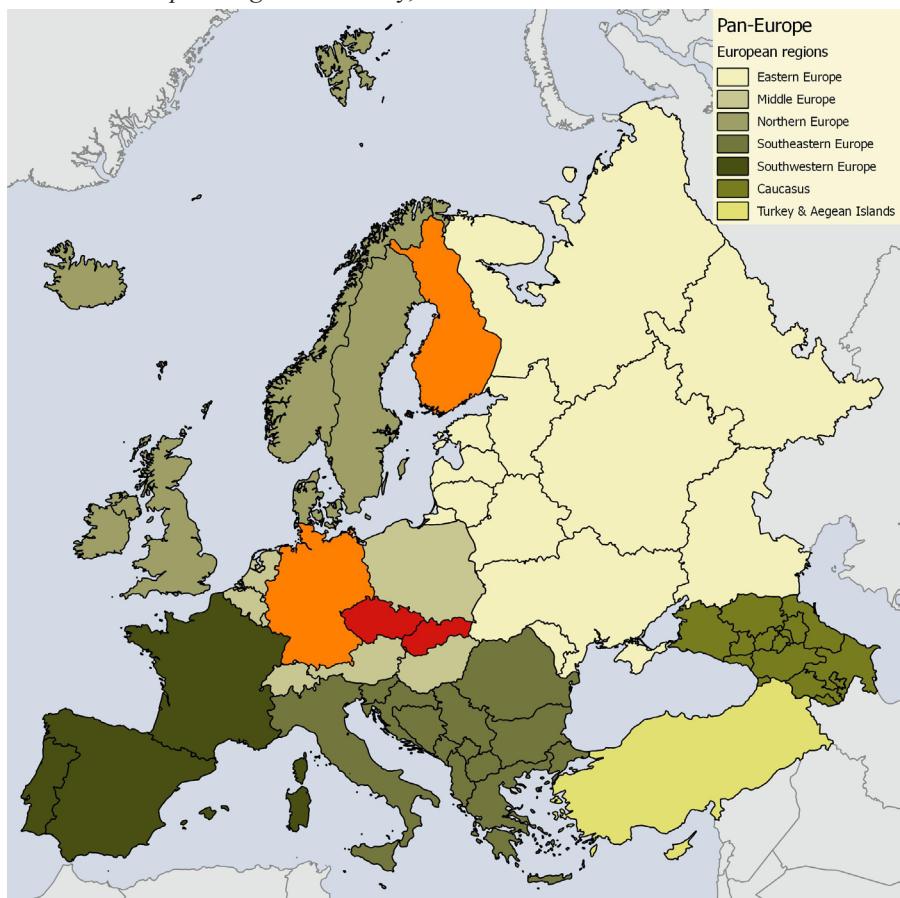
*Chamaepsila nigra* (Fallén, 1820)

Bernotiene R. (2006); Beuk P. (2002); Ceianu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006); Sumner DP. (2017); Winqvist K. (2011);

*Chamaepsila nigricornis* (Meigen, 1826)

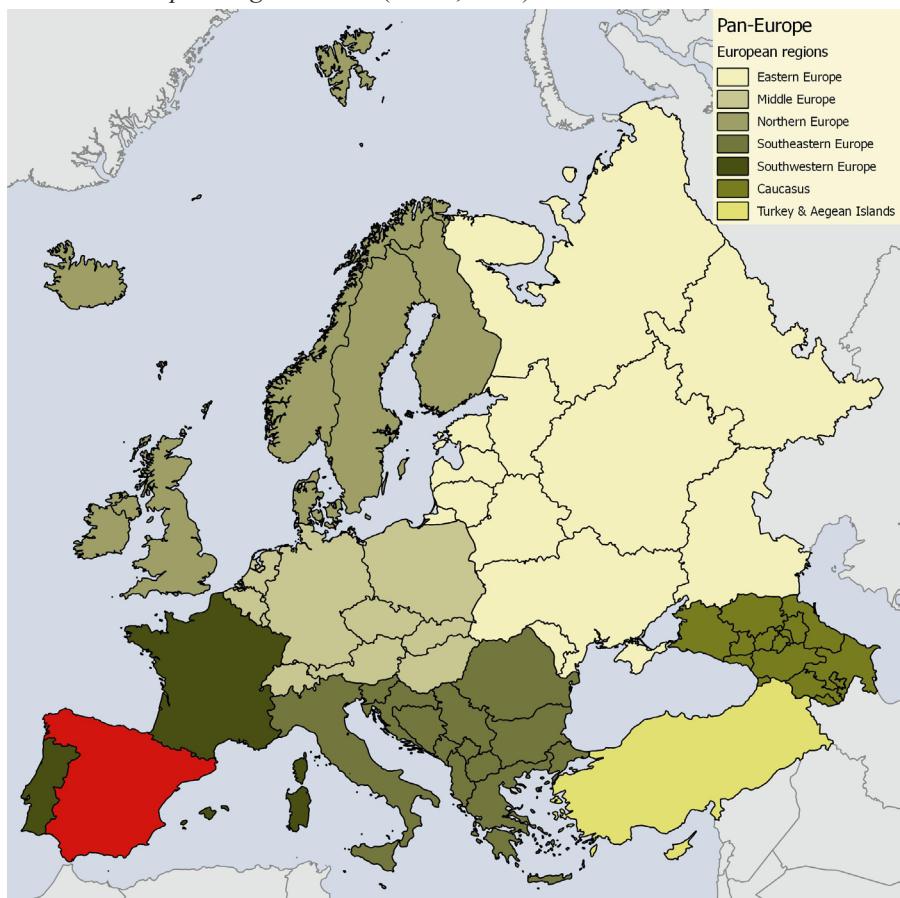
Barták M. (1998); Bernotienė R. (2006); Beuk P. (2002); Carles-Tolrá M. (2002); Ceianu I. (1989); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Lyneborg L. (1969); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Pendleton T, Pendleton D. (2011); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Strobl PG. (1904); Stuke JH. (2006); Sumner DP. (2017); Withers P. (2014); Withers P. (2007);

*Chamaepsila nigrosetosa* Frey, 1925

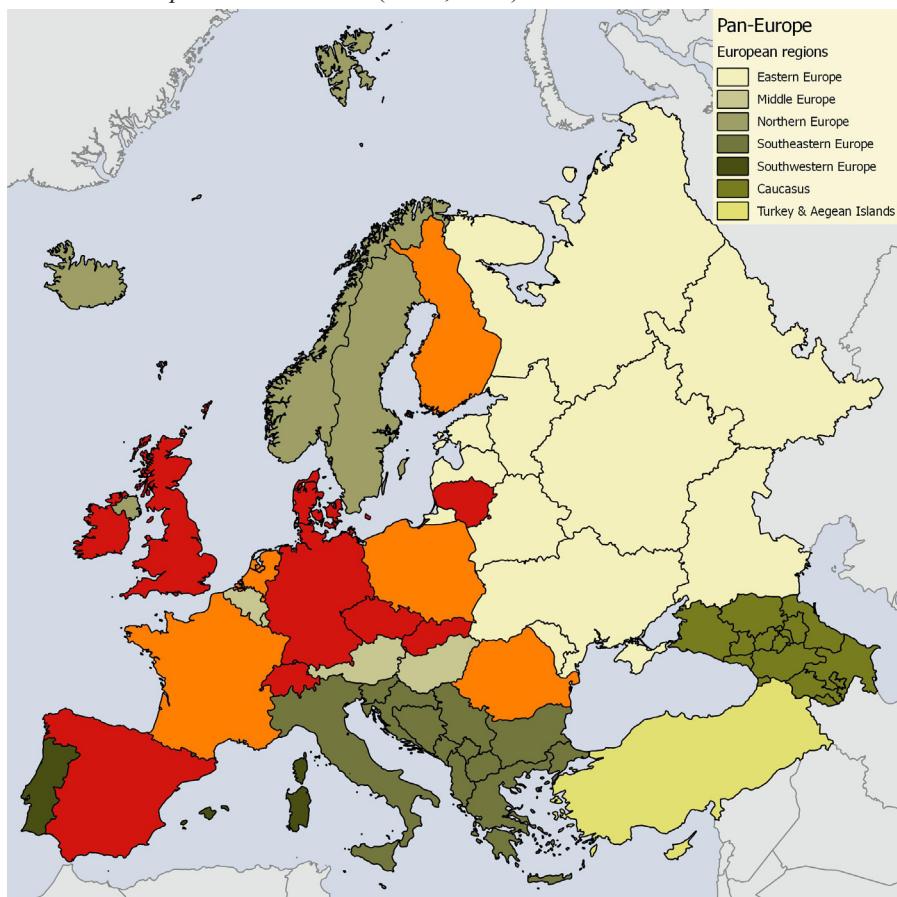


Chvála M. (1997); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Schumann H. (2009);

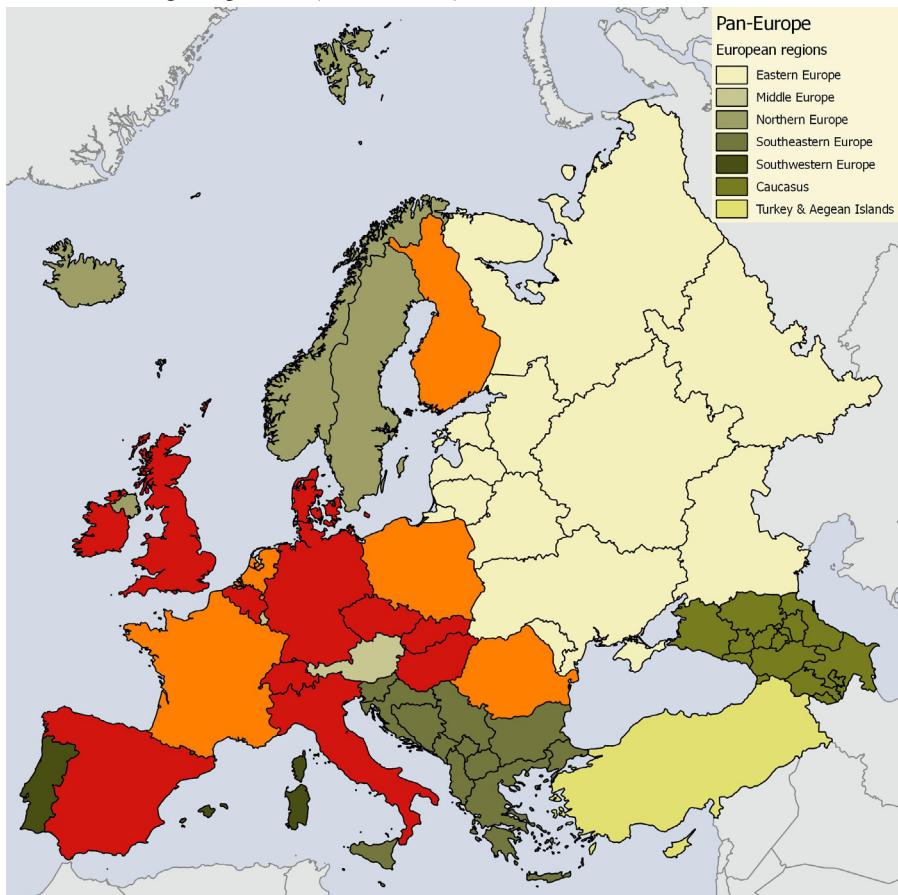
*Chamaepsila nigrotaeniata* (Strobl, 1899)



Carles-Tolrá M. (2002);

*Chamaepsila obscuritarsis* (Loew, 1856)

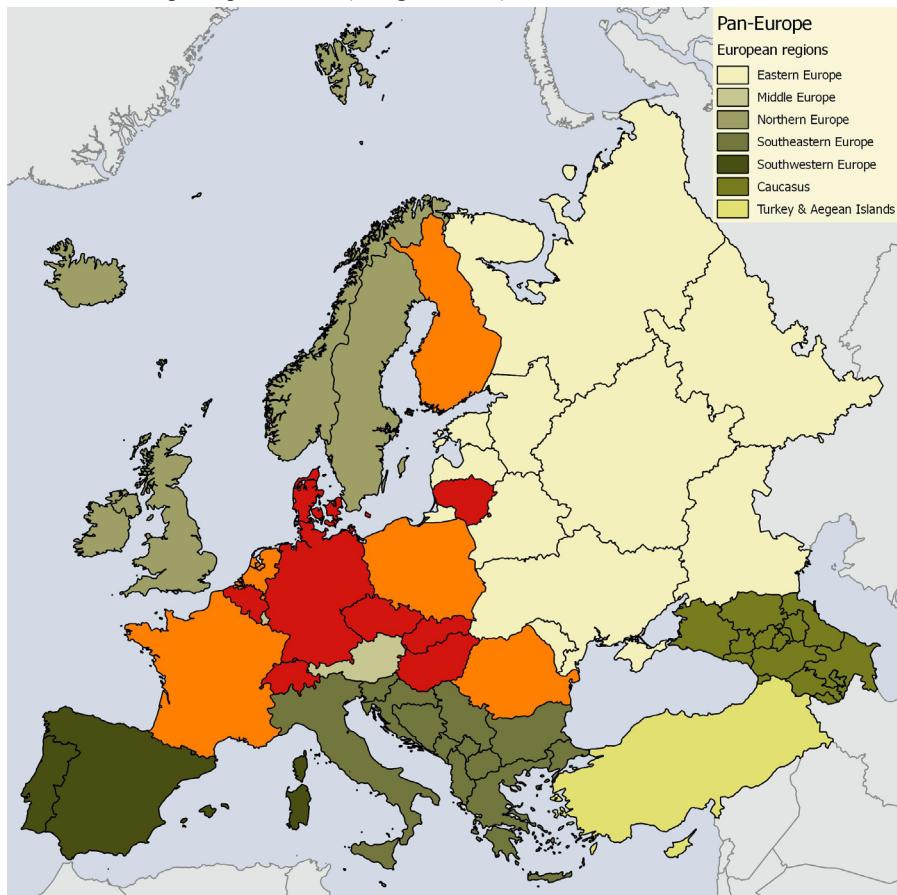
Bernotiene R. (2006); Beuk P. (2002); Carles-Tolrá M. (2002); Ceianu I. (1989); Chvála M. (1997); Kahanpää J. (2011); Kahanpää J., Salmela J. (2014); Kahanpää J., Stuke JH. (2014); Muchowski V., Zatwarnicki T. (2001); Pakalniškis S., Rimšaitė J., Sprangauskaitė-Bernotienė R., Butautaitė R., Podénas S. (2000); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006); Sumner DP. (2017); Winqvist K. (2011);

*Chamaepsila pallida* (Fallén, 1820)

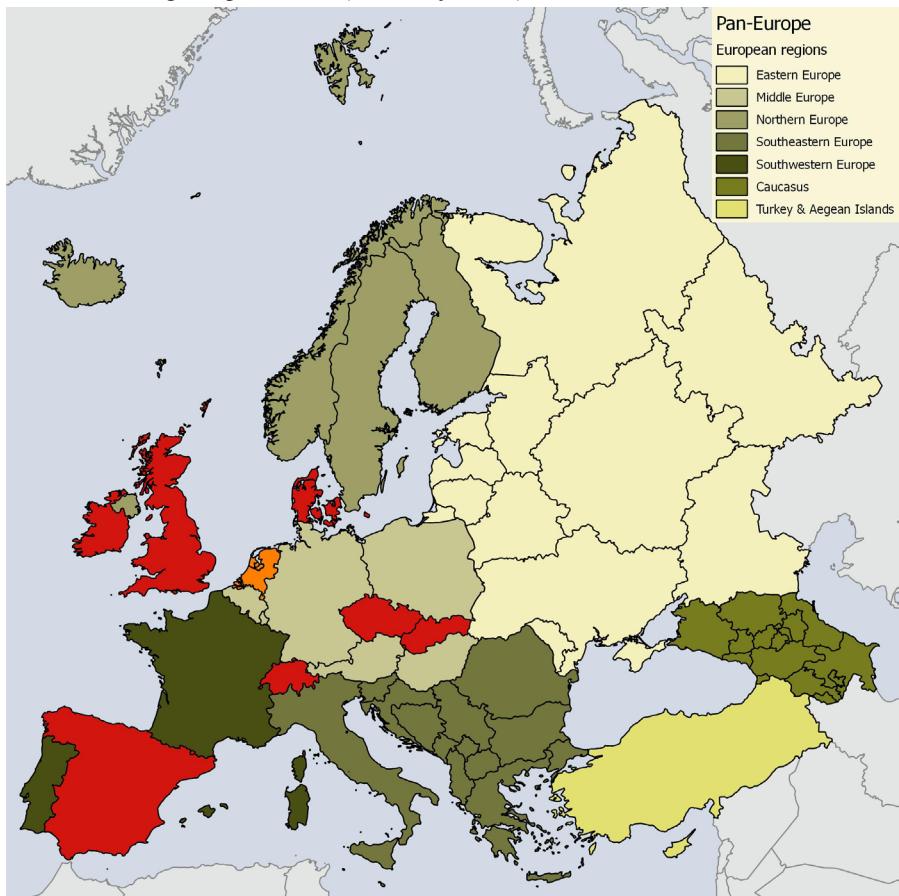
Bernotiene R. (2006); Beuk P. (2002); Carles-Tolrá M. (2002); Ceanu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Irwin T. (2016); Kahanpää J. (2011); Kahampää J, Salmela J. (2014); Kahampää J, Stuke JH. (2014); Kidd LN (Ed). (1963); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Roháček J, Ševčík J. (2009); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006); Sumner DP. (2017);

Identifications require revision, see Irwin (2016)

*Chamaepsila pectoralis* (Meigen, 1826)

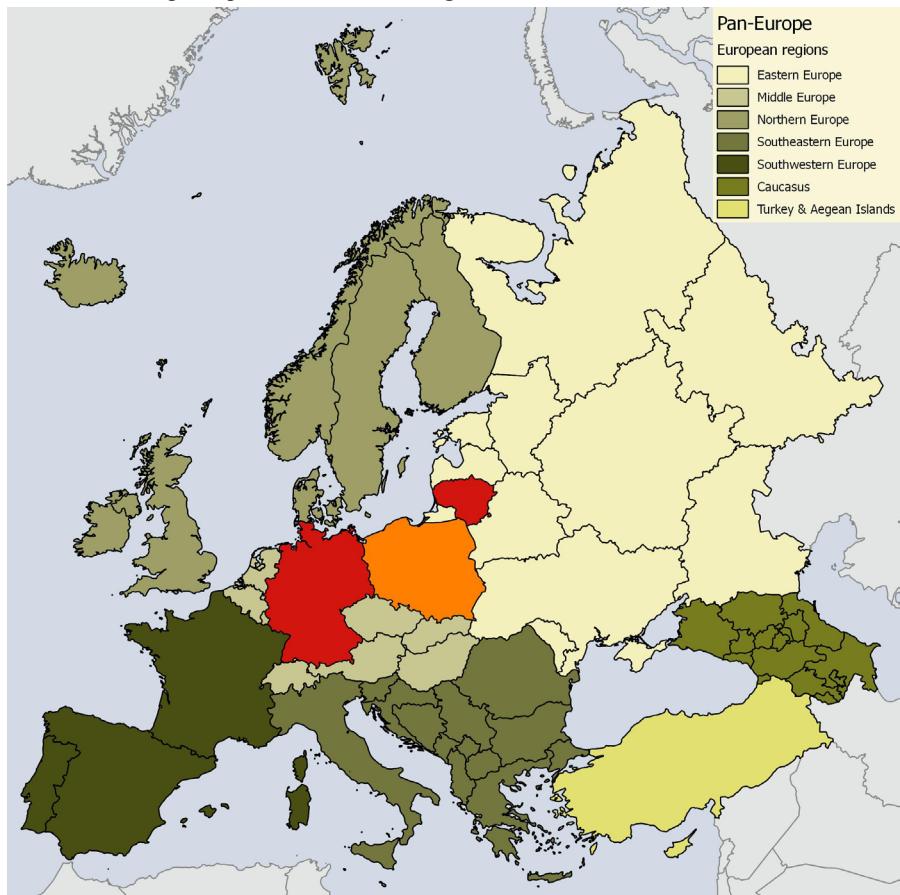


Beuk P. (2002); Ceianu I. (1989); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Stuke JH. (2006); Winquist K. (2011);

*Chamaepsila persimilis* (Wakerley, 1959)

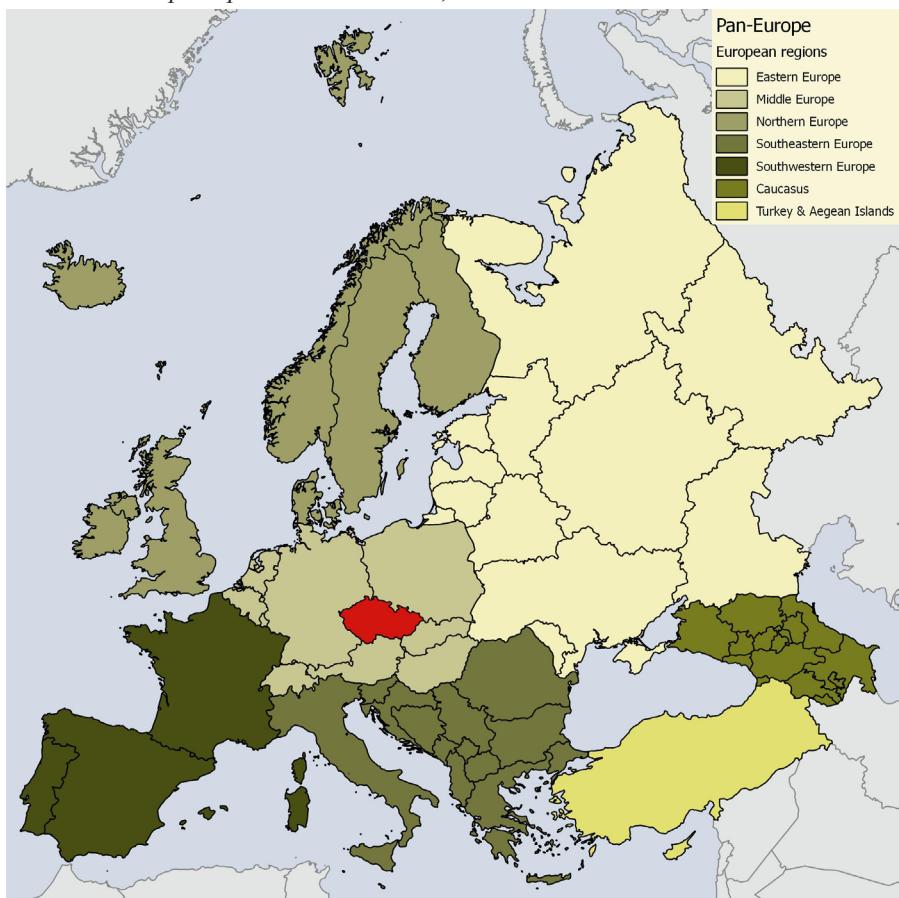
Beuk P. (2002); Carles-Tolrá M. (2002); Chandler PJ. (1975); Chvála M. (1997); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Stuke JH. (2006); Sumner DP. (2017);

*Chamaepsila problematica* Hennig, 1941



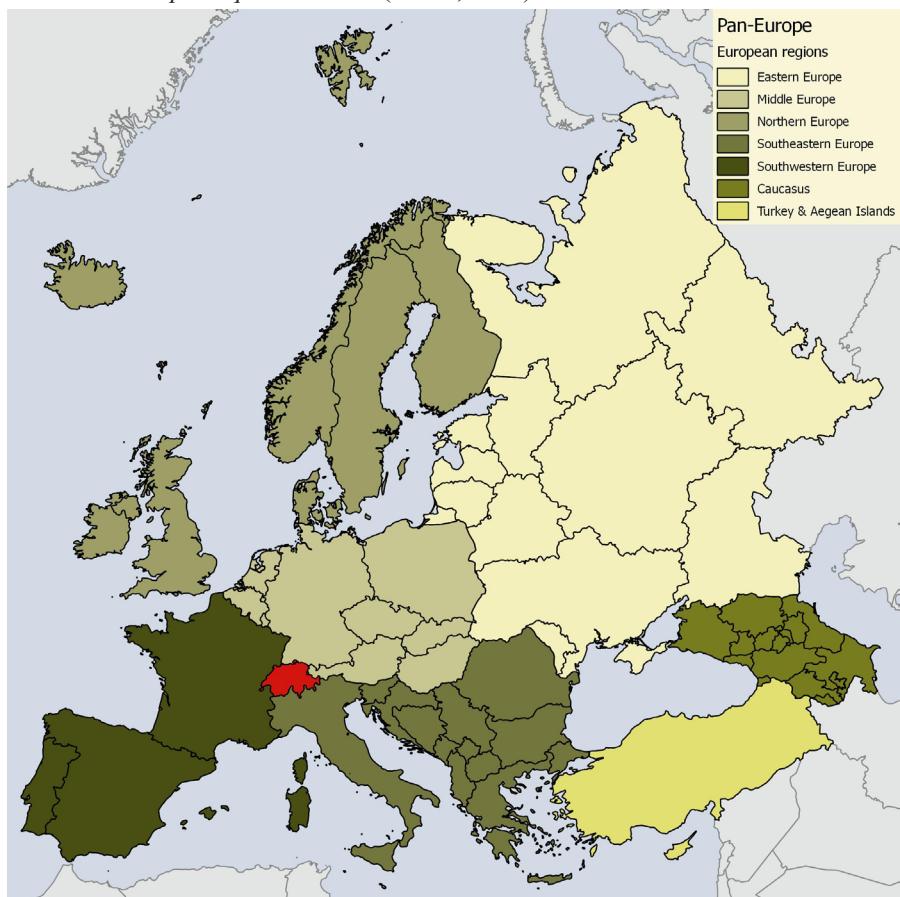
Bernotiene R. (2006); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000);

*Chamaepsila pseudobicolor* Soós, 1985

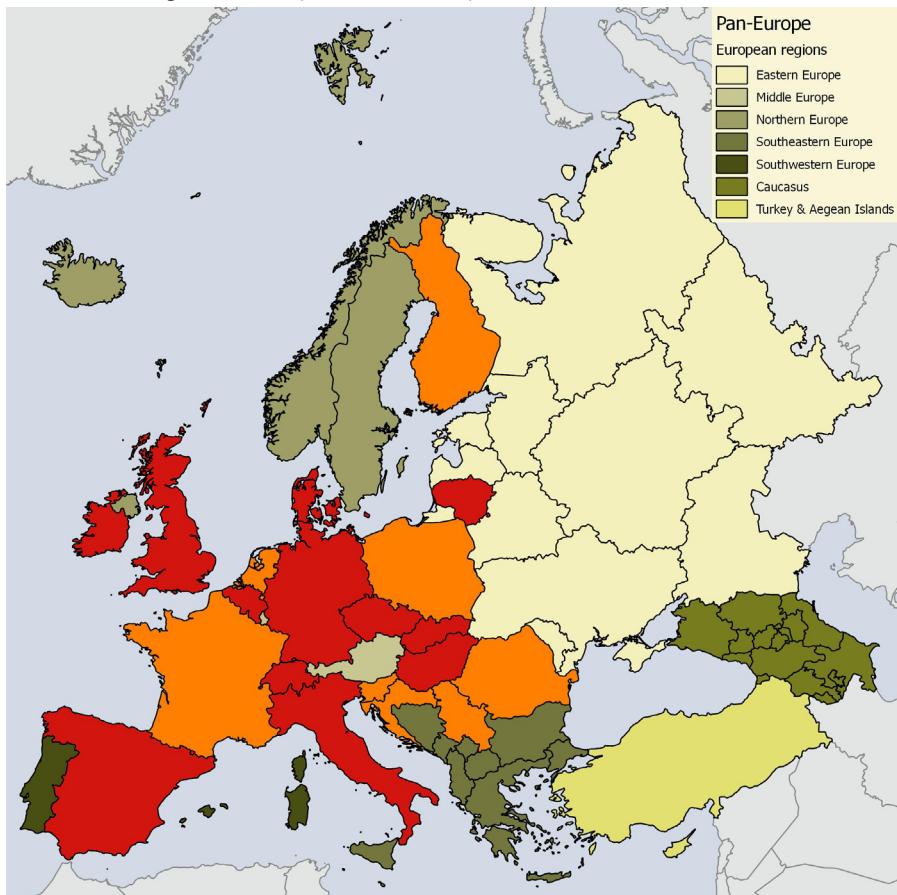


Chvála M. (1997); Soós Á. (1985);

*Chamaepsila quadrilineata* (Strobl, 1898)

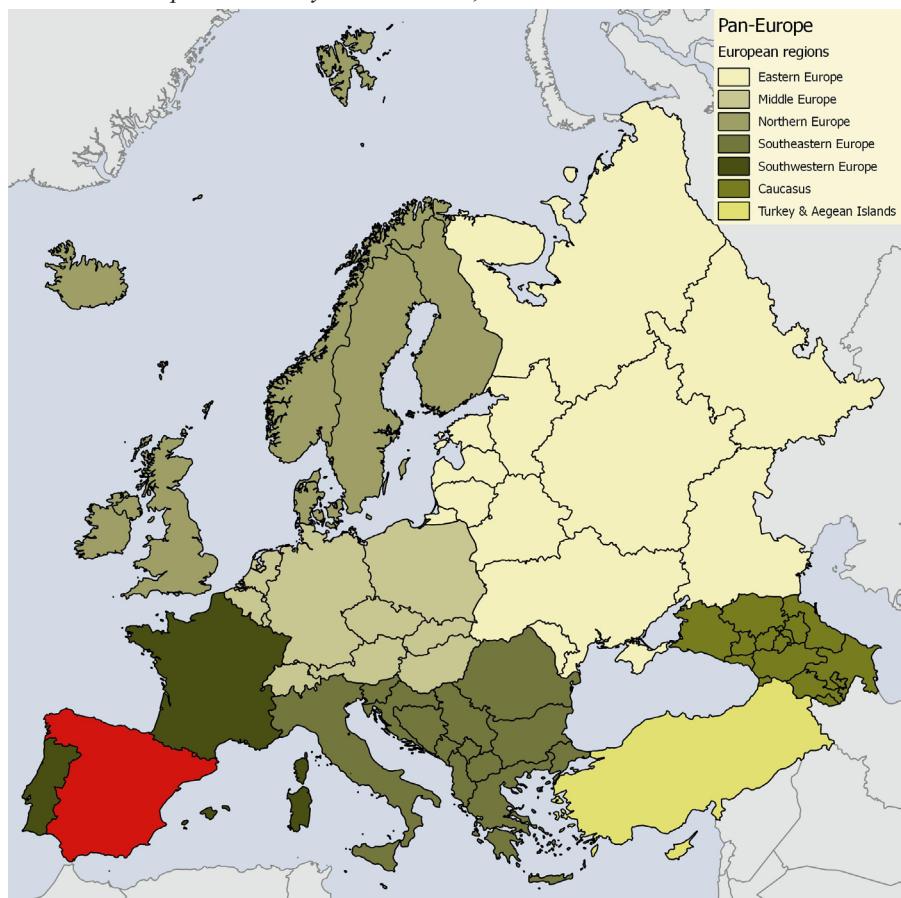


Shatalkin AI, Merz B. (2010); Stuke JH. (2006);

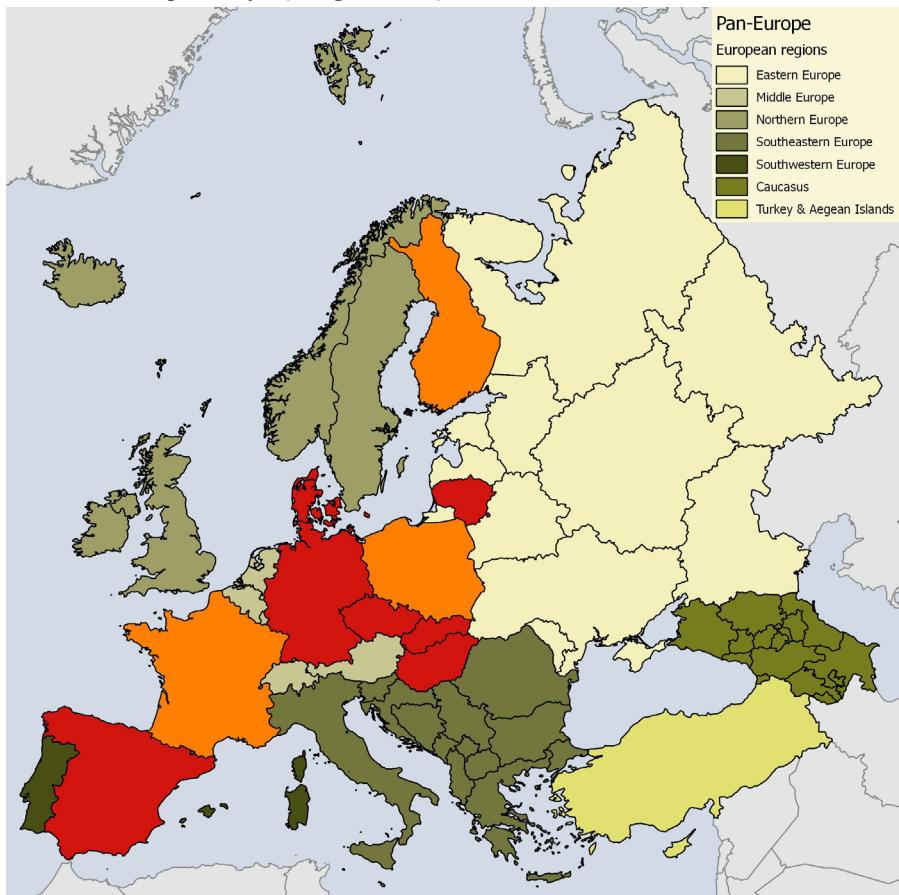
*Chamaepsila rosae* (Fabricius, 1794)

Beuk P. (2002); [Britvec B (2004)]; Carles-Tolrá M. (2002); Ceianu I. (1989); Chandler PJ. (1975); Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Jagodic A. Milevoj L. & Gomboc S. (2014); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Kere T, Sekuli R, & Popovi A. (2016); Muchowski V, Zatwarnicki T. (2001); Séguy E. (1934); Shatalkin AI, Merz B. (2010); Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. (1985); Strobl PG. (1904); Stuke JH. (2006); Sumner DP. (2017); Withers P. (2014); Withers P. (2007);

*Chamaepsila rozkoznyi* Carles-Tolra, 1993

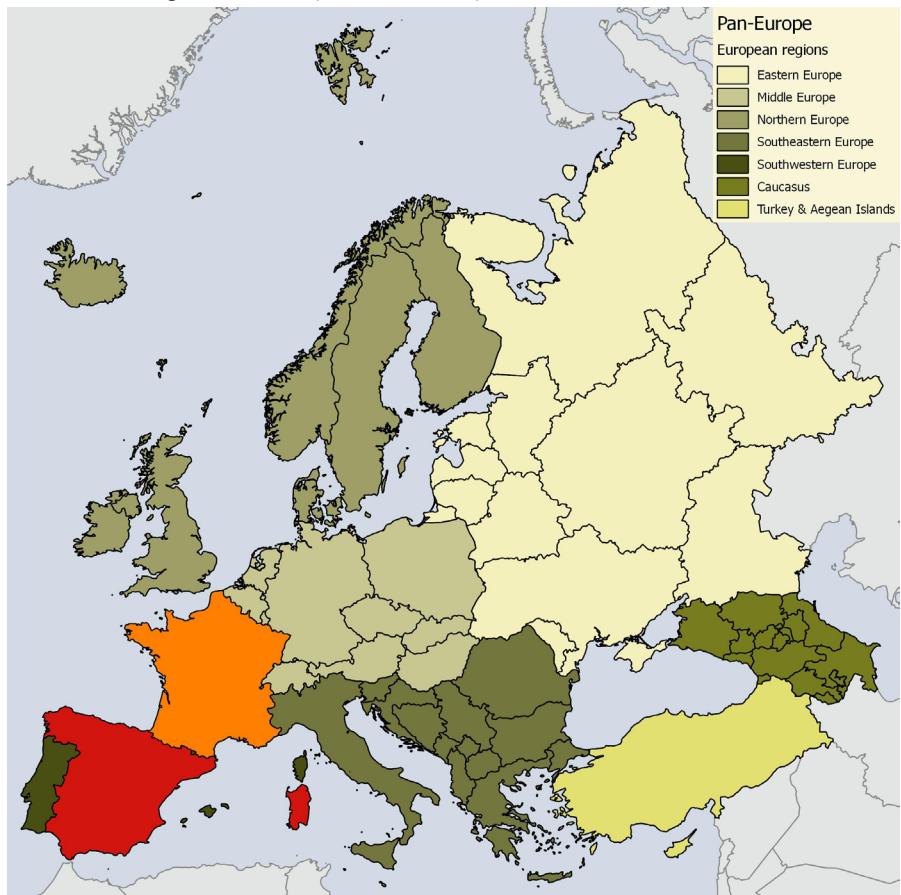


Carles-Tolrá M. (2002);

*Chamaepsila rufa* (Meigen, 1826)

Bernotiene R. (2006); Carles-Tolrá M. (2002); Chvála M. (1997); Kahanpää J. (2011); Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Muchowski V, Zatwarnicki T. (2001); Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. (2000); Séguy E. (1934);

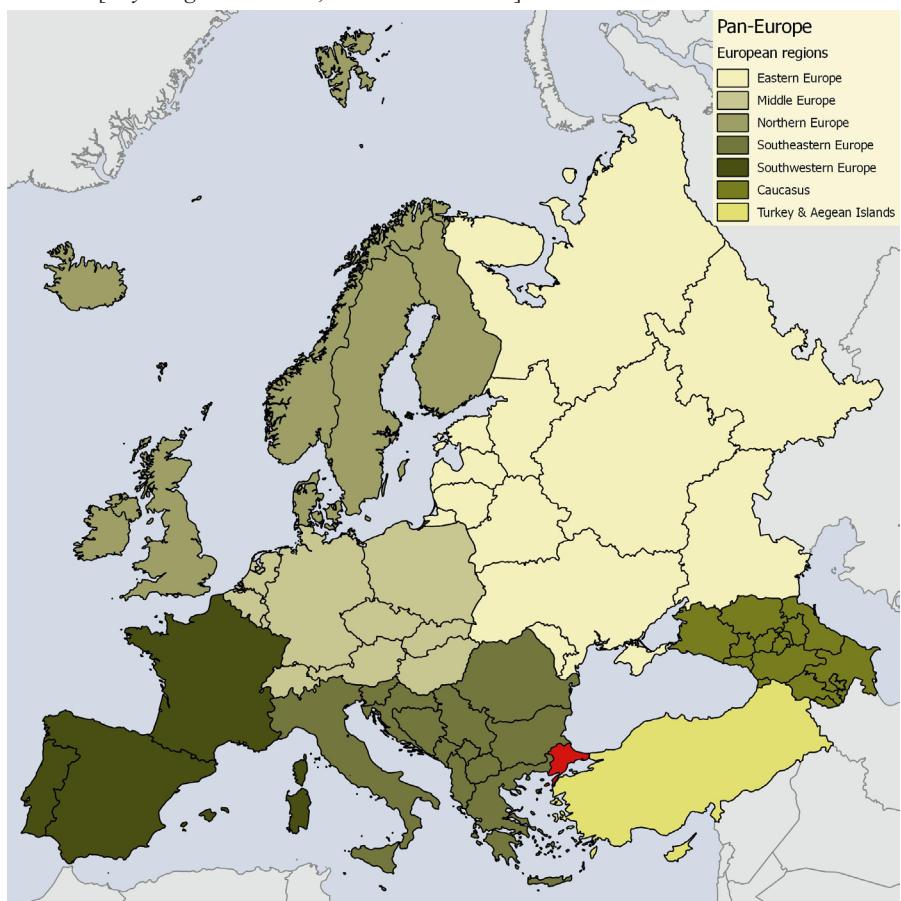
*Chamaepsila sardoa* (Rondani, 1876)



Carles-Tolrá M. (2002); Freidberg, A.; Shatalkin A. (2008); Lyneborg L. (1969); Séguy E. (1934); Shatalkin AI, Merz B. (2010);

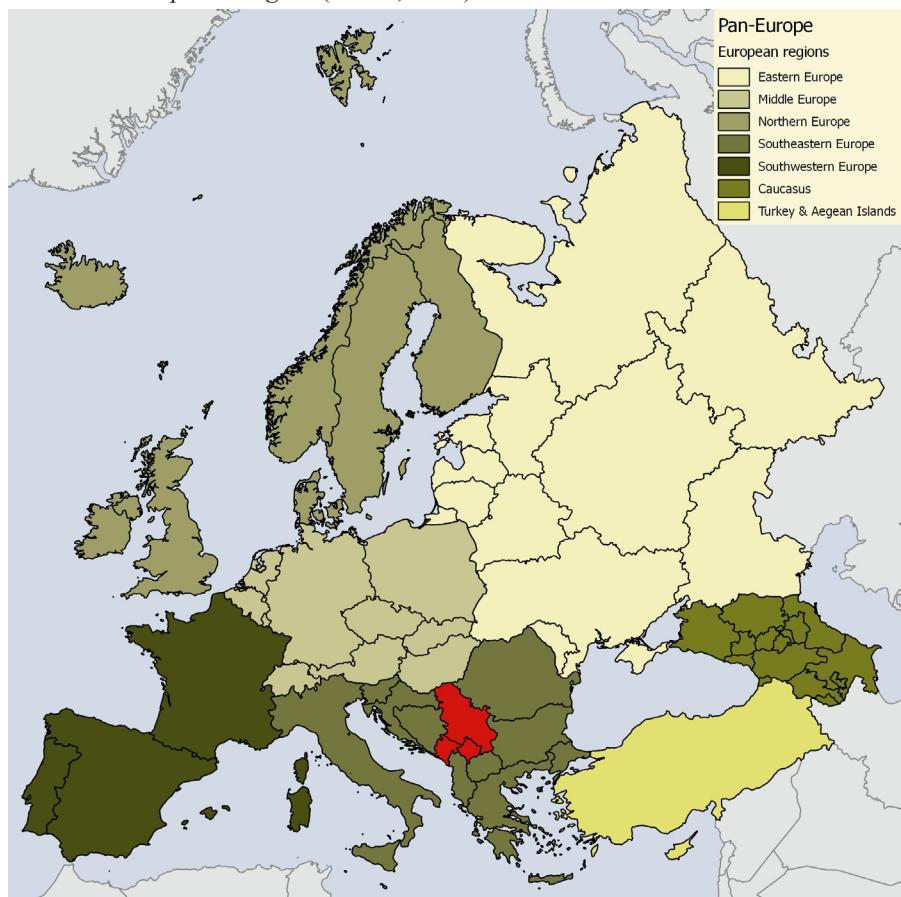
*Chamaepsila setalba* Freidberg & Shatalkin, 2008

[*Chyliza gracilis* Loew, 1854 incertae sedis]

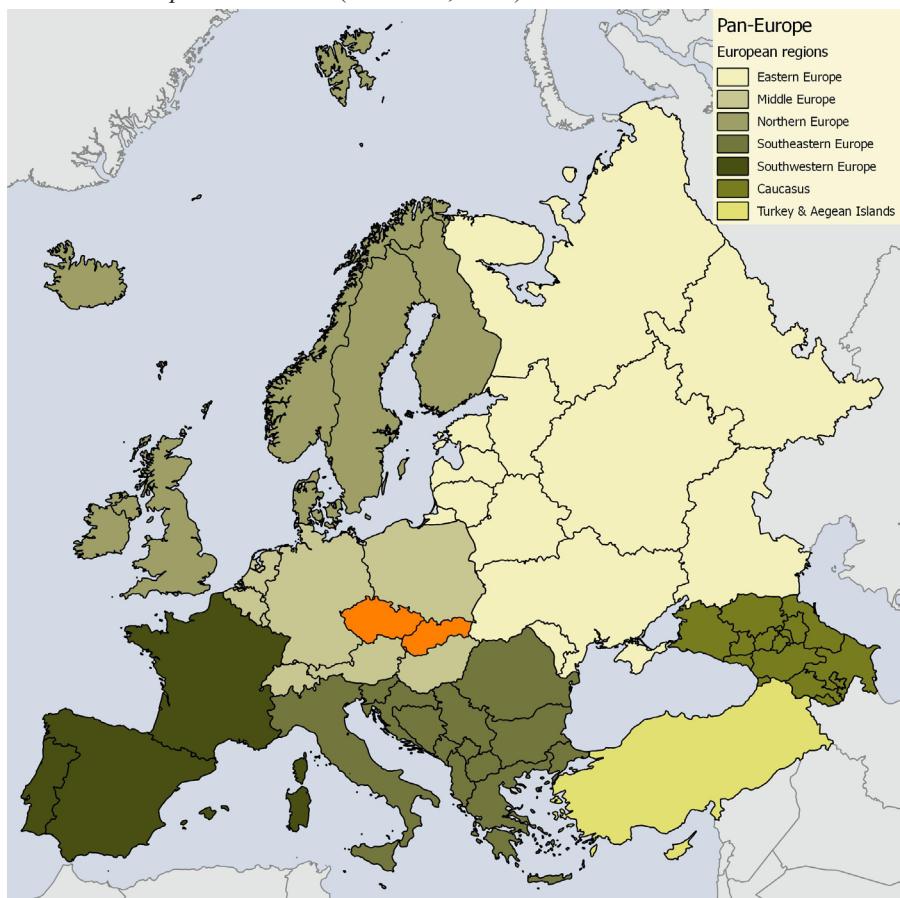


Shatalkin AI, Merz B, (2010); Freidberg, A., Shatalkin A. (2008)

*Chamaepsila strigata* (Collin, 1959)

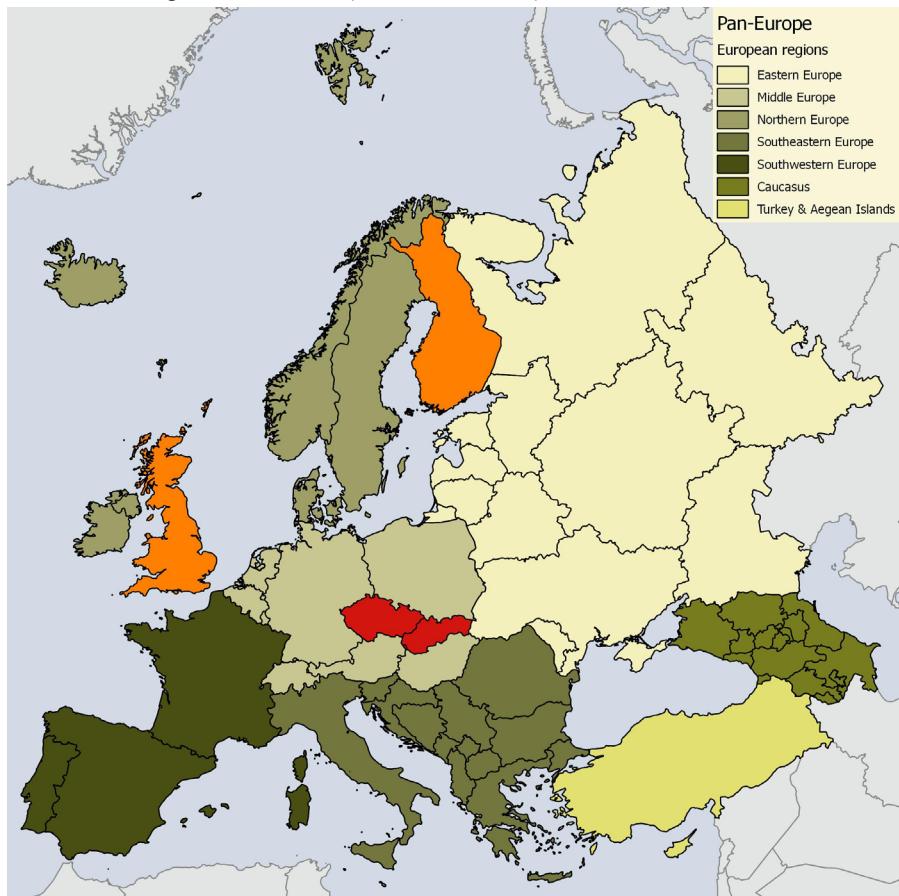


Collin JE. (1959); Roháček J. (2012);

*Chamaepsila tenebrica* (Shatalkin, 1986)

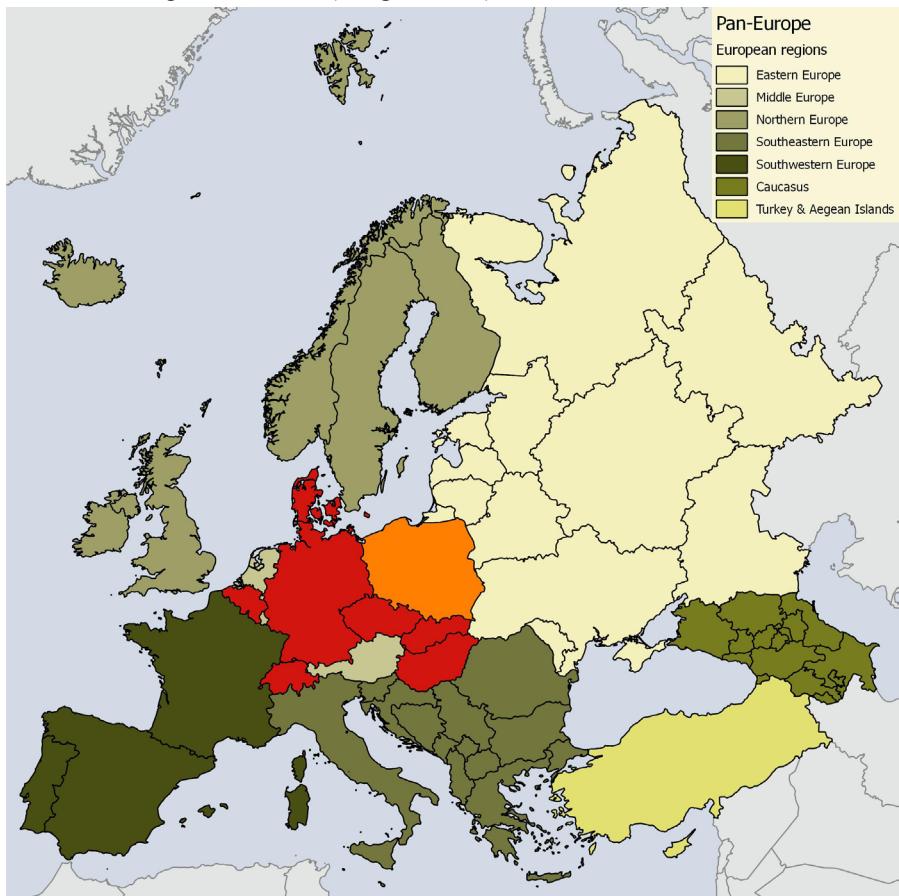
Roháček J, Barták M, Preisler J. (2016);

*Chamaepsila unilineata* (Zetterstedt, 1847)



Chvála M. (1997); Irwin T. (2016) Kahanpää J, Salmela J. (2014); Kahanpää J, Stuke JH. (2014); Roháček J, Barták M, Preisler J. (2016); Shatalkin AI, Merz B. (2010); Soós Á. (1985);

Identifications require revision, see Irwin (2016)

*Chamaepsila villosula* (Meigen, 1826)

Chvála M. (1997); Grootaert P, De Bruyn L, De Meyer M. (1991); Muchowski V, Zatwarnicki T. (2001); Shatalkin AI, Merz B. (2010);

## References

- Alexander KNA. 2002. The invertebrates of living and decaying timber in Britain & Ireland. English Nat. Res. Reports. 467(467):1–142
- Andersson H. 1989. Taxonomic notes on Fennoscandian Micropezidae (Diptera). Not. Entomol. 69:153–62
- Andrade R, Gonçalves AR. 2014. Acartophthalmidae, Pseudopomyzidae And Xylomyidae – Three Families Of Diptera new to the Portuguese Fauna. Boletín la Soc. Entomológica Aragón. (54):
- Arnold A. 2004. Bombyliidae, Conopidae and Micropezidae (Diptera) aus dem Osten des Kreises Bitterfeld / Sachsen-Anhalt. Stud. dipterologica. 11(2):524–28
- Barták M. 2009. Micropezidae (Diptera) of the Jizerské hory Mts and Frýdlant region (northern Bohemia, Czech Republic). Sborník Sev. Muz. 27:47–49
- Barták M. 1998. Diptera of the Bavarian forest. Silva Gabreta. 2:239–58
- Bernotiene R. 2006. New and Rare for Lithuania Insect Species. Lith. Entomol. Soc. 18:156
- Beuk P. 2002. Checklist of the Diptera of the Netherlands. Utrecht: KNNV Uitgeverij
- Bezzi, M. (1895). Contribuzioni alla Fauna Ditterologica Italiana. Bulletino Della Societa Entomologica Italiana, 27, 65.
- Biurrun I, Capelo J, Dengler J, Gigante D, Molnar Z, et al. 2016. European Red List of Habitats: E6 . 3 Temperate inland salt marsh. Eur. Comm. 1–10
- Bland KP, Rotheray GE. 2002. The phytophagous early stages of *Loxocera sylvatica* Meigen (Diptera, Psilidae). Dipterists Dig. Second Ser. 9(2):174–78
- Bloomfield EN. 1904. Three Diptera new to the British List. Entomol. Mon. Mag. 40:60
- Brindle A. 1965. Taxonomic Notes on the Larvae of British Diptera. No. 19 - The Micropezidae (Tylidae). Entomol. 83–85
- Britvec, B. (2004). [Appendix to Diptera Important for the Agriculture and Forestry of Croatia in light of the Faunistic Researches]. Agronomski Glasnik, 6, 413–427.
- Buck M, Marshall SA. 2006. Revision of New World *Loxocera* (Diptera : Psilidae), with phylogenetic redefinition of Holarctic subgenera and species groups. Eur. J. Entomol. 103:193–219
- Bygberg, R., Munk, T., & Elnif, J. (2011). *Chyliza leguminicola* Melander, 1920 (Diptera: Psilidae) new to the Palaearctic fauna. Entomologiske Meddelelser, 79(2), 73–84.
- Carles-Tolrá M. 2002. Catálogo de los Diptera de España, Portugal y Andorra (Insecta). Monogr. SEA. 8:323
- Carles-Tolrá M. 1998. Primera cita de *Psila* (*Pseudopsila*) *longipennis* (Seguy, 1936) para la Península Ibérica (Diptera: Psilidae). Zapaterí Rev. Aragon. Entomol. 8:169–70
- Carles-Tolrá M. 1993. A new species of *Chamaepsila* Hendel from the Czech Republic, with a key to the bicolor-group species (Diptera, Psilidae). Graellsia. 49:91–95
- Ceanau I. 1989. Contributions to the knowledge of some Families of Diptera Acalyprata in Romania. Trav. Du Museum d'Histoire Nat. "Grigore Antipa." 30:21–36
- Chandler P. 1975. Notes on the British Status of three unusual Acalypterate flies. Proc. Br. Entomol. Nat. Hist. Soc. 8:66–72
- Chandler P (Ed. . 2010. A Dipterist's Handbook (2nd Edition). Amat. Entomol.
- Chandler PJ. 2015. Diptera recording at Bushy Park, Middlesex. Dipterists Dig. Second Ser. 22:69–110
- Chandler PJ. 1983. *Pseudopomyza atrimana* (Meigen) (Diptera: Pseudopomyzidae), a fly of an acalypterate family new to the British list. Proc. Trans. Br. ent. Nat. Hist. Soc. 16:87–91
- Chandler PJ. 1977. Supplementary notes on *Megamerina* (Diptera: Megamerinidae) and *Tanypeza* (Diptera: Tanypezidae). Proc. Br. Entomol. Nat. Hist. Soc. 10(26):
- Chandler PJ. 1975. Observations on plant associations of the Psilidae (Diptera). Entomol. Rec. J. Var. 87:13–17
- Chvála M. 1997. Check List of Diptera (Insecta) of the Czech and Slovak Republics. Karolinum. 1:
- Cogan, B. H., & Dear, J. P. (1975). Additions and corrections to the list of British acalyprate Diptera. Entomologist's Monthly Magazine, 110, 173–181.
- Cole JH. 1981. *Strongylophthalmyia ustulata* (Zetterstedt) (Diptera: Tanypezidae) new to Britain. , 32: 47–50. Entomol. Gaz. 32:47–50
- Collin JE. 1944. The British species of Psilidae (Diptera). Entomol. Mon. Mag. 81:214–24
- Collin JE. 1959. A new species of *Psila* (Diptera, Psilidae) from Yugoslavia. Entomologist. 92:241

- Colyer CN, Hammond CO. 1968. Flies of the British Isles (2nd Edition)
- Cunze H. 2018. Checklist for Micropezidae in Italy. <http://insectoid.info/checklist/micropezidae/italy/>
- Czerny L. 1930. Tylidae und Neriidae. In Die Fliegen Der Palaearktischen Region, p. 18. Stuttgart : Schweizerbart'sche Verlagsbuchhandlung
- De Bree E. 2017. Strongylophthalmyiidae , a family new to the fauna of the Netherlands ( Diptera , Acalyptrata ). Dipterists Dig. Second Ser. 24(2):179–84
- Denton J. 2001. Rare and Uncommon Diptera in England and Wales, 2000. Dipterists Dig. Second Ser. 8(1):27
- Denton J. 2009. Ichneumon mimicry in Megamerina dolium (Fabricius) (Diptera: Megamerinidae). Dipterists Dig. Second Ser. 16(1):
- Donisthorpe HSJ. 1930. Entomological Club meeting, exhibit (in Current Notes and short notices). Entomol. Rec. J. Var. 42(September):156–57
- Donisthorpe HSJ. 1930. Calobata calceata Fall. (Micropezidae, Diptera) a species new to the British list. Entomol. Rec. J. Var. 42(September):117
- Dorn K. 1928. Zur Lebensweise von Calobata calceata Fall. Entomol. Jahrb. 37:179–81
- Drake CM. 2003. Neria femoralis (Meigen, 1826) (Diptera, Micropezidae) new to Britain. Dipterists Dig. Second Ser. 10(1):55–57
- Enderlein G. 1913. Dipterologische Studien II. Zur Kenntnis der Tanypezinen. Zool. Anz. 42:224–29
- Enderlein G. 1936. Klassifikation der Tanypeziden. Dtsch. Entomol. Zeitschrift. 39–47
- Falk SJ, Ismay JW, Chandler PJ. 2016. A Provisional Assessment of the Status of Acalyptratae Flies in the UK, Vol. 217
- Freidberg A. 1984. Acalyptratae of Israel: The Family Micropezidae (Diptera). Isr. J. Entomol. 18:11–20
- Freidberg, A.; Shatalkin A. 2008. The Psilidae (Diptera) of Israel , with emphasis on the Chamaepsila hebraica group. Isr. J. Entomol. 38:35–60
- Gammelmo Ø, Søli G. 2011. Notes on new and interesting Diptera from Norway. Nor. J. Entomol. 58:189–95
- Głowaciński Z. 2002. Red List of threatened animals in Poland. Cracow
- Godfrey A. 1994. Some rare Acalyptrate Diptera taken in recent years. Br. J. Entomol. Nat. Hist. 7:85–88
- Goot VS van der. 1988. The broomrape root fly, *Chyliza extenuata*, found again in the Netherlands Diptera: Psilidae. Entomol. Ber. 49(3):42–43
- Greve L, Jonassen T. 1995. *Pseudopomyza atrimana* (Meigen, 1830) (Diptera, Pseudo-pomyzidae); new family and species to the Norwegian fauna. Fauna norv. Ser. B. 42:131–33
- Greve L, Midtgård F. 1987. *Megamerina dolium* (Fabricius, 1805) (Dipt. Meganlerinidae) in Norway. Fauna Nor. 34(1):35–36
- Greve L, Nielsen TR. 1991. A survey of the family Micropezidae in Norway. Fauna Nor. 38(3):77–87
- Greve L, Simonsen A. 1985. *Tanypeza longimana* Fallen, 1820 (Dipt., Tanypezidae) and *Strongylophthalmyia ustulata* (Zetterstedt, 1847) (Diptera, Strongylophthalmyiidae) in Norway. Fauna Nor. 32:111–12
- Greve, L., & Skartveit, J. (2001). The genus *Loxocera* (Diptera, Psilidae) in Norway. Norwegian Journal of Entomology, 48, 329–334.
- Griffiths GCD. 1972. The phylogenetic classification of Diptera Cyclorrhapha, with special reference to the structure of the male postabdomen. Ser. Entomol. 340
- Grootaert P, De Bruyn L, De Meyer M. 1991. Catalogue of the Diptera of Belgium
- Hagenlund LK, Kvifte GM. 2015. *Paradryomyza spinigera* Ozerov, 1987 new to Norway, with records of some other little known Diptera from Finnmark (Diptera: Acartophthalmidae, Campichoetidae, Diastatidae, Dryomyzidae, and Micropezidae). Nor. J. Entomol. 62(December):196–204
- Hendel F. 1903. Ueber die systematische Stellung von *Tanypeza* Fall. (Dipt.). Weiner Entomol. Zeitung. 201–5
- Hennig W. 1936. Beiträge zur Kenntnis des Kopulationsapparates und der Systematik der Tanypeziden (Dipt., Acalypt.). Dtsch. Entomol. Zeitschrift. 27–38
- Hennig W. 1973. Diptera (Zweiflügler). Handb. der Zool. 4(2):1–337
- Hennig W. 1936. 44. Tanypezidae. Dtsch. Entomol. Zeitschrift. 1–6
- Hewitt S. 2014. A provisional checklist Cumbrian Diptera

- Hoebeke ER, Wheeler AG. 2016. First U.S. Records of the Palearctic *Micropeza lateralis* Meigen in North America (Diptera: Micropezidae). Proc. Entomol. Soc. Washingt. 118(2):254–60
- Humala AE, Polevo KV. 2009. The Fauna of Insects in Southeastern Karelia (Russian). Proc. Karelian Res. Cent. 4:53–75
- Irwin T. 2016. The current status of *Chamaepsila unilineata* (Zetterstedt) (Diptera, Psilidae). Dipterists Dig. Second Ser. 23(2):137–40
- Jacinto V. 2012. Mosca // Rust Fly (*Chyliza extenuata*). <http://www.flickr.com/photos/valter/6898746792/>
- Jagodic, A., Milevoj, L., & Gomboc, S. (2014). Monitoring Appearance of the Carrot Rust Fly (*Psila rosae* F.) Spremljanje Pojava Korenjeve Muhe (*Psila rosae* F.). Kmetijsko Gozdarska Zbornica, (September), 205–210.
- Ježek J. 1987. Enumeratio insectorum bohemoslovakiae checklist of Czechoslovak Insects II (Diptera). Acta faun. ent. Mus. Nat. Pragae. 30(XI):
- Jimenez S. 2013. *Chyliza extenuata* (Rossi, 1790) - 450272 - Biodiversidad Virtual / Invertebrados. [http://www.biodiversidadvirtual.org/insectarium/Chyliza-extenuata-\(Rossi-1790\).-img450272.html](http://www.biodiversidadvirtual.org/insectarium/Chyliza-extenuata-(Rossi-1790).-img450272.html)
- JNCC. 2007. Second Report by the UK under Article 17 of the Habitats Directive (part) Conservation status assessment for H1340: Inland salt meadows. Peterborough
- Kahanpää J. 2011. Draft Catalogue of Finnish Flies (Diptera: Brachycera). Structure. 117
- Kahanpää J, Salmela J. 2014. Checklist of the Diptera of Finland. Zookeys. 441:1–20
- Kahanpää J, Stuke JH. 2014. Checklist of the superfamilies Conopoidea, Diopsoidea and Nerioidae of Finland (Insecta, Diptera). Zookeys. 257(441):251–57
- Kere, T., Sekuli, R., & Popovi, A. (2016). Bolesti i štetočine u hortikulturi (Diseases and pests in horticulture - in Croatian). UNIVERZITET U NOVOM SADU. Retrieved from [http://polj.uns.ac.rs/sites/default/files/udzbenici/Bolesti\\_i\\_stetočine\\_u\\_hortikulturi%29.pdf](http://polj.uns.ac.rs/sites/default/files/udzbenici/Bolesti_i_stetočine_u_hortikulturi_%28deo - štetočine_u_hortikulturi%29.pdf)
- Kidd LN (Ed). 1963. Athene: A Journal of Natural History and Microscopy V1 #4, Vol. 1. Oldham: The Oldham Microscopical Society and Field Club
- Klasa A, Palaczky A. 2011. Dipterological notes from the Ojców National Park – part II. Dipteron, Bull. Dipterological Sect. Polish Entomol. Soc. 30:24–35
- Koçak AÖ, Kemal M. 2013. Diptera of Turkey. Priamus (suppl.). 28(ii+):
- Koçak AÖ, Kemal M. 2014. Revised and advanced list of the dipteran species of Turkey. CesaNews, Cent. Entomol. Stud. Ankara. (September 2016):
- Krivosheina MG, Krivosheina NP. 1996. The species from the genus *Rainieria Rondani* (Diptera: Micropezidae) of Russia including the description of a new species. Stud. dipterologica. 3(1):97–100
- Krivosheina NP. 1982. New Palaearctic species of the genus *Strongylophthalmyia Hell.* (Diptera: Strongylophthalmyiidae). Entomol. Rev. Washingt. 60:162–65
- Krivosheina NP, Krivosheina MG. 1997. A contribution to the biology and morphology of the larvae of Megamerinidae (Diptera). Stud. dipterologica. 4(1):231–37
- Krivosheina NP, Krivosheina MG, Nartchuk EP. 1996. Revision of flies from the family Megamerinidae in Russia. Zool. Zhurnal. 75(10):1517–24
- Kubík Š, Barták M. 2010. Proceedings of the Workshop on animal biodiversity , Jevany
- Kuntze A. 1913. Diperologische Sammelreise in Korsika des Herrn W. Schnuse in Dresden im Juni und Juli 1899. Dtsch. Entomol. Zeitschrift. 544–522
- Kurina O. 2004. *Rainieria latifrons* (Loew, 1870) found in Estonia (Diptera: Micropezidae). Sahlbergia. 9(2):133–34
- Lee JA. 1975. The conservation of British inland salt marshes. Biol. Conserv. 8(2):143–51
- Lindstrom M. 2012. Scarce and unusual flies in Wiltshire. Wiltshire Biological Records Centre, Lund
- Lonsdale O. 2013. Review of the Families A Tanypezidae and Strongylophthalmyiidae with a Revision of Neotanypeza Hendel (Diptera: SchizophorA. Smithson. Contrib. to Zool. (641):
- Lyneborg L. 1969. Some Micropezidae collected in Southern Spain , with descriptions of six new species . Entomol. Meddelelser. 37:27–46
- Lyneborg, L. (1962). Danske acalyptrate fluer 1. Conopidae, Micropezidae, Calobatidae, Micropeza lateralis. Entomologiske Meddelelser, (31), 249–264.
- Lyneborg, L. (1964). Danske acalyptrate fluer 2. Psilidae, Platystomidae and Otitidae (Diptera). Entomologiske Meddelelser, 2, 367–388.

- Marshall SA, Buck M, Skevington JH, Grimaldi D. 2009. A Revision of the Family Syringogastridae (Diptera: Diopsoidea)
- Matthew. 2016. Rainieria calcea - Life as on stilts. world Macro.com. <https://translate.google.co.uk/translate?hl=en&sl=pl&u=https://swiatmakrodotcom.wordpress.com/2014/06/19/rainieria-calcea-zycie-jak-na-szczudlach/&prev=search>
- McAlpine DK. 1997. Gobryidae, a new family of Acalyptrate flies (Diptera: Diopsoidea), and a discussion of relationships of the Diopsoid families. Notes Aust. Museum. 49:167–94
- McAlpine DK, Shatalkin AI. 1998. Family Pseudopomyzidae. In Contributions to a Manual of Palaeartic Diptera, Vol. 3, pp. 155–63
- Meier R, MacGowan I, Petersen F. 2001. A Preliminary list of the Diptera of Denmark. Steenstrupia. 26(2):
- Merz B. 1997. Die Micropezidae (Diptera) der Schweiz. Bull. la Soc. Entomol. Suisse. 70:93–100
- Miroir J. 2013. Note relative au suivi des indicateurs faunistiques et floristiques mis en œuvre dans le cadre du programme Suivis floristiques et entomologiques
- Muchowski V, Zatwarnicki T. 2001. Checklist of Polish Diptera. Wersja. IV:1–153
- Nilsson-Örtman V. 2011. Bidrag till kännedomen om de acalyprata flugorna. Del 2. Pseudopomyzidae – hur och var hittar man en reliktfluga? Skörvnöpparn. 3(1):7–11
- Ozerov AL. 2008. Flies of the genus Micropeza Meigen (Diptera, Micropezidae) in the fauna of Russia. Russ. Entomol. J. 17(4):429–36
- Ozerov AL. 1991. On the taxonomy of the flies of the subfamily Calobatinae (Diptera, Micropezidae). Zool. Museum, State Univ. Moscow. 70(11):63–72
- Ozerov AL. 1987. Dipterans of the subfamily Calobatinae (Diptera. Micropezidae) in the fauna of the USSR. Zool. Zhurnal. 66:549–56
- Pakalniškis S, Rimšaitė J, Sprangauskaitė-Bernotienė R, Butautaitė R, Podėnas S. 2000. Checklist of Lithuanian Diptera. Acta Zool. Litu. 10(1):32
- Palaczyk A, Klasa A, Slowinska-Krysiak I. 2013. The family Strongylophthalmyiidae of Poland with catalog of European species (Insecta: Diptera). Genus. 24(3–4):425–38
- Papp L. 2003. Further additions and corrections to the Hungarian checklist (Diptera). Folia Entomol. Hungarica. 64:309–39
- Papp L. 2004. Twenty species of Diptera new to Hungary. Folia Entomol. Hungarica. 65(1–2):135–44
- Papp L. 2009. Additions to the Diptera fauna of Hungary. Folia Entomol. Hungarica. 70:225–42
- Papp L, Földvári M, Paulovics P. 1997. Sphyracephala europaea sp. n. (Diptera: Diopsidae) from Hungary represents a family new to Europe
- Pendleton T, Pendleton D. 2011. Sherwood Forest Diptera: Historical and modern species lists and records. . 1:
- Petrašiūnas A, Lutovinovas E. 2015. New data on several Diptera families in Lithuania. New rare Lith. Insect species. 27(2013):105–21
- Ramel G. 2009. Some new records of saproxylic brachycera for Wetland Kerkini, northern Greece (Diptera: Megamerinidae, Strongylophthalmyiidae, Xylomyidae and Xylophagidae). Dipterists Digest 16 (2): 95–99. Dipterists Dig. 16(2):95–99
- Ramel G. 2009. Wetland Kerkini Survey: Trap summary 01; Malaise traps. . (September):1–13
- Ringdahl O. 1957. Fliegenfunde aus den Alpen. Entomol. Tidskr. 2–3(78):115–34
- Roháček J. 2012. The fauna of Pseudopomyzidae , Micropezidae , Megamerinidae and Psilidae ( Diptera ) in the Gemer area ( Central Slovakia ) Synopsis of species. Cas. slezského zemského Muz. 61:131–42
- Roháček J. 1995. Habitat, biology and immature stages of Milichiella argyrogaster (Diptera, Milichiidae). Entomol. Probl. 85–92
- Roháček J. 2016. Strongylophthalmyiidae, Tanypezidae and Megamerinidae (Diptera) in the Czech Republic and Slovakia: current state of knowledge. Acta Musei Silesiae, Sci. Nat. 65(1):1–13
- Roháček J. 1998. Family Tanypezidae. Contrib. to a Man. Palaeart. Diptera. 3:165–71
- Roháček J. 2013. The fauna of the Acalyptrate families Micropezidae, Psilidae, Clusiidae, Acartophthalmidae, Anthomyzidae, Aulacigastridae, Periscelididae and Asteiidae (Diptera) in the Gemer area (Central Slovakia): supplement 1. Časopis Slezského zemského Muz. Opava. 62:125–36

- Roháček J, Andrade R, Gonçalves AR, Almeida JM. 2016. New records of Micropezidae, Clusiidae and Periscelididae (Diptera: Acalyptrata) from Portugal. *Acta Musei Silesiae, Sci. Nat.* 65(2):153–66
- Roháček J, Barták M. 1990. Micropezidae (Diptera) of Czechoslovakia. *Cas. slezskeho zemskeho Muzea v Opava*. 39:97–111
- Roháček J, Barták M, Preisler J. 2016. New records of Psilidae, Piophilidae, Lauxaniidae, Cremifaniidae and Sphaeroceridae (Diptera) from the Czech Republic and Slovakia. *Acta Musei Silesiae, Sci. Nat.* 65(1):51–62
- Roháček J, Ševčík J. 2009. Diptera of the Poľana Protected Landscape Area – Biosphere Reserve (Central Slovakia)
- Rondani C. 1856. *Dipterologiae Italicae prodromus*. . 1:226
- Rotheray GE. 2013. The psilid fly *Imantimyia albisetosa* (Schrank) (Diptera, Psilidae) in Scotland. *Dipterists Dig. Second Ser.* 20(2):131–34
- Rotheray GE. 2015. New records of *Strongylophthalmyia ustulata* (Zetterstedt) (Diptera: Strongylophthalmyiidae). *Dipterists Dig. Second Ser.* 22(1):
- Rotheray GE, Robertson D. 1998. Breeding habits and early stages of seven saproxylic acalypterates (Diptera). *Dipterists Dig. Second Ser.* 5(2):96–107
- Schacht W. 2010. Katalog der Zweiflügler (Mücken und Fliegen) Bayerns Familienliste - Artenliste - Literaturverzeichnis - Bestimmungsliteratur (Insecta: Diptera). Letzter Nachtrag. 24:
- Schumann H. 2009. Dritter Nachtrag zur Checkliste der Dipteren Deutschlands. *Stud. dipterologica*. 16(1):17–27
- Séguy E. 1934. Faune de France: Diptères (Brachycères), Vol. 28. Paris
- Shatalkin AI. 1986. Review of the East Palaearctic flies of *Psila* Mg. (Diptera, Psilidae), with the key of the Palaearctic species (In Russian). *Tr. Zool. Instituta AN SSSR.* 146:23–42
- Shatalkin AI. 1996. New species of the genus *Psila* (Diptera, Psilidae) of the fauna of Russia (in Russian). *Zool. Zhurnal.* 75:880–84
- Shatalkin AI. 2007. The Psilidae (Diptera) from South Korea, with the key to Old World species of *Xenopsila*. *Russ. Entomol. J.* 16(4):487–90
- Shatalkin AI, Merz B. 2010. The Psilidae (Diptera, Acalyptrata) of Switzerland , with description of two new species from Central Europe. *Rev. Suisse Zool.* 117(4):771–800
- Simova-Tasic D, Stojanovic A. 1999. Second finding of *sphyracephala europea papp et földvári in europe* (diptera: diopsidae). *Acta Entomol. Serbica.* 4(1/2):149–57
- Smith KGV. 1989. An Introduction to the Immature Stages of British Flies. London: Royal Entomological Society
- Soós Á. 1975. Taxonomische Und Faunistische Untersuchungen Über Die Mongolischen Micropeziden (Diptera)\*. *Acta Zool. Acad. Sci. Hungaricae.* 1–2:181–94
- Soós Á. 1985. Untersuchungen einiger Psilidae-typen aus der Zetterstedt'schen sammlung nebst beschreibung einer neuen art (Diptera: Psilidae). *Acta Zool. Acad. Sci. Hungaricae.* 31(1–3):235–44
- Speight MCD, Chandler PJ, Irwin AG, de Courcy Williams M. 1985. A provisional list of Irish Psilidae (Diptera). *Bull. Ir. biogeog. Soc.* 8:
- Stark A. 1999. Micropezidae. In *Checkliste Der Dipteren Deutschlands*, eds. H Schumann, R Bährmann, A Stark, p. 160. Berlin: Studia Dipterologica
- Steyskal GC. 1965. The family Tanypezidae in North America (Diptera, Acalyptratae). *Proc. Entomol. Soc. Washingt.* 67:201
- Steyskal GC. 1987. Family Tanypezidae. MND. 2:773–76
- Steyskal GC. 1967. Family Tanypezidae. A Cat. Diptera Am. South United States. 4
- Strobl PG. 1904. Beue Beiträge zur DipterenFauna der Balkanhäbinsel. Wissenschaftliche Mitteilungen aus Bosnien und der Herzogowina. 9:
- Stubbs AE. 2015. Wildlife reports: Flies. *Br. Wildl.* 27(2):135
- Stuke JH. 2006. Die Megamerinidae, Micropezidae, Psilidae und Tanypezidae (Diptera) Niedersachsens und Bremens. *Braunschweiger Naturkundliche Schriften.* 7(3):613–630
- Sumner DP (Ed). 2013. Bulletin of the Dipterists Forum #76. *Bull. Dipterists Forum.* (74):
- Sumner DP (Ed). 2009. Bulletin of the Dipterists Forum #68. *Bull. Dipterists Forum.* Autumn(68):
- Sumner DP. 2017. Dipterists Forum - Recording Scheme - Stilt & Stalk Flies. Occurrence Dataset. GBIF. org. <https://doi.org/10.15468/mwjnku>

- Sumner DP. 2018. Observations on Phytomyza orobanchia Kaltenbach, 1864 (Diptera, Agromyzidae) and Chyliza extenuata Rossi, 1790 (Diptera, Psilidae), both new to Wales, on Ivy Broomrape (*Orobanche hederae*). Dipterists Forum Occas. Pap. 1(unpublished):7
- Sumner DP. 2016. Diptera Recording Scheme: Nerioidae & Diopsoidea (UK GBG data upload). NBN Gateway. <https://data.nbn.org.uk/Datasets/GA000307>
- Sumner DP. 2004. Key to the Identification of Nerioidae. In Teaching Material for Dipterists Forum Workshops, p. 18
- Sumner DP. 2004. Key to the identification of Diopsoidea. In Teaching Material for Dipterists Forum Workshops
- Thompson FC, Evenhuis NL. 1999. Bibliography of the Family-Group Names of Diptera. MYIA. 10:364–574
- Van der Goot VS, Van Veen M. 1996. De Spillebeenvliegen, Wortelvliegen en Wolzwevers van Noordwest Europa. Jeugdbondsuitgeverij. 3:
- van der Weele R. 1998. Rainieria latifrons (Loew, 1870) collected for the first time in Hungary (Diptera: Micropezidae). Contrib. Folia Entomol. Hungarica. (February):8–9
- von Tschirnhaus M. 2008. Acartophthalmidae, Borboropsidae, Chyromyidae, Micropezidae, Odiniidae, Opetiidae, Periscelididae, Pseudopomyzidae, and Tanypezidae in the Stilfserjoch National Park (Italian Alps). Stud. dipterologica. 16:65–97
- Weinberg M. 1994. Data on the Family Micropezidae (Diptera) and Its Occurrence in Romania. Trav. du Muséum d'histoire Nat. Grigore Antipa Grigore Antipa. 34(1934):125–31
- Whitmore D. 2004. Notes on two species of acalyprate flies (Diptera, Megamerinidae, Ulidiidae). Boll. dell' Assoc. Rom. di Entomol. 59(October):103–9
- Winqvist K. 2011. Ruissalon käärpäästä (Diptera, Brachycera) (Finnish). Entomol. Club Zool. Bot. Soc. Turku, Finl. 11:
- Winter, T. G. (1988). Larvae of Chyliza fuscipennis (Robineau-Desvoidy) (Dipt., Psilidae) in coniferous resin. Entomologist's Monthly Magazine, 124, 73–76.
- Withers P. 2007. Towards an inventory of the flies (Diptera) of a nature reserve, Pierre Vérots Foundation, in Ain, France: the first 1000 taxa. Dipterists Dig. Second Ser. 14(2):125–50
- Withers P. 2004. Diptères nouveaux ou peu connus pour la faune de France. Bull. Mens. la Société linéenne Lyon. 73(2):39–45
- Withers P. 2014. Le marais de Lavours, une zone humide majeure pour la faune des diptères (1984–2014). Bull. Hors-ser. no 3 la Soc. Linn. Lyon. 153–68

## Contributors

**Version 1.** Numerous contributors to the Stilt & Stalk Fly Recording Scheme, UK; Igor Nekrep (historic collection) & Natalija Pišec (image library), Slovenija; Phil Withers (occurrences), France.

**Version 3.** Tony Irwin fixed several errors in the Psilidae.

**Version 4.** Bygebjerg, Munk & Elnif (2011) (added *Chyliza leguminicola*)

**Version 5.** Greve & Skartveit (2001) (no change to maps). Added references to Lyneborg, L. (1962). Lyneborg, L. (1964) though papers unavailable.

**Version 6.** Error corrected (*M. atripes*)

**Version 7.** Additional paper on *Sphyracephala* (Serbia) tracked down via a comment on Nikola Rahme's Flickr site. He added Bulgaria too, this has yet to be tracked down.

Igor Nekrep brought [Britvec B (2004)]; Jagodic A. Milevoj L. & Gomboc S. (2014) + Kere T, Sekuli R, & Popovi A. (2016) to my attention, adding *Ch. rosae* to Croatia, Slovenia & Serbia respectively. Britvec only refers to other Croatian papers.