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# Ephemeroptera

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## Key to Larvae from Central Europe

Ernst Bauernfeind  
Wolfgang Lechthaler



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**Authors:** Ernst Bauernfeind & Wolfgang Lechthaler (2023)

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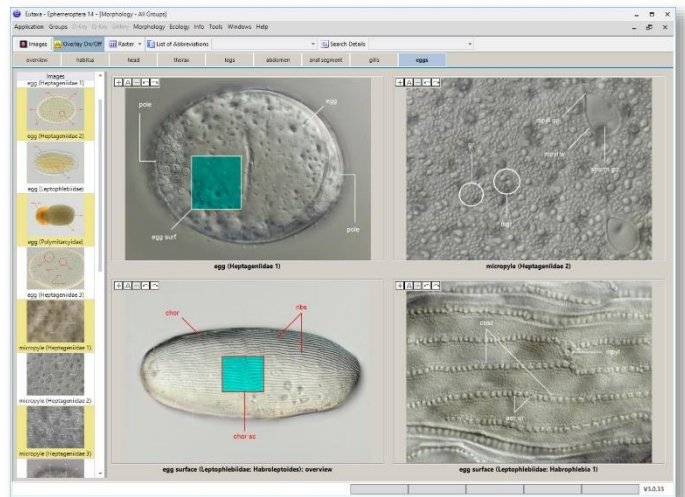
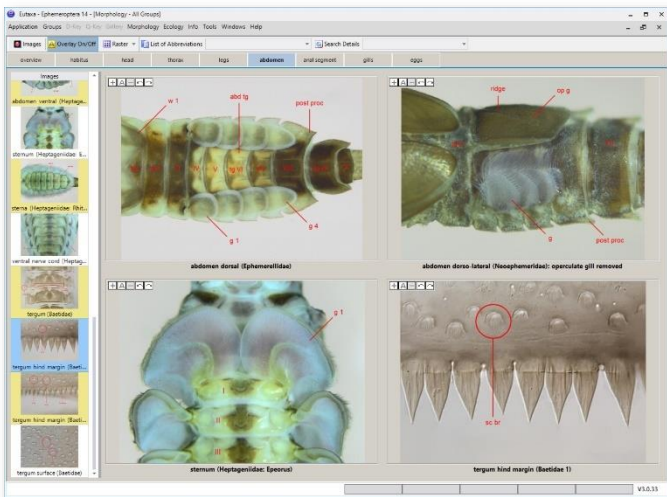
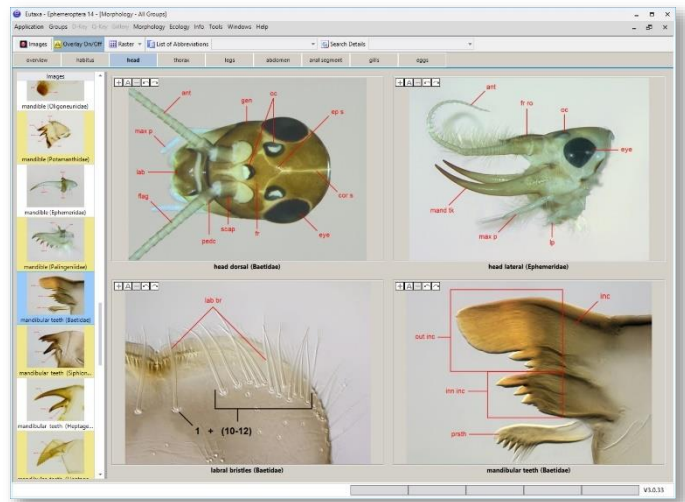
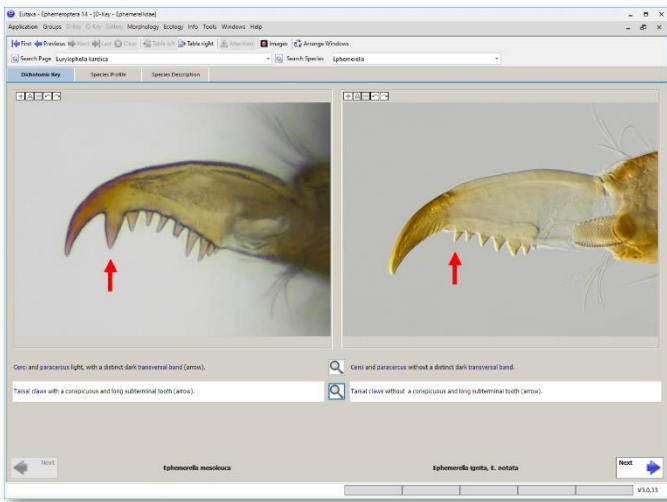
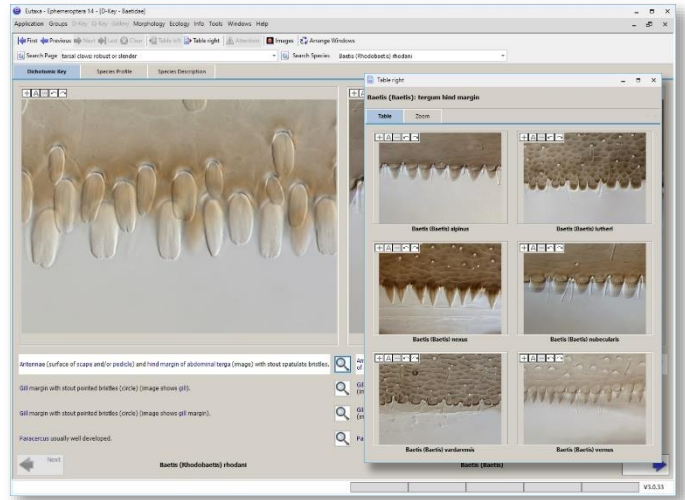
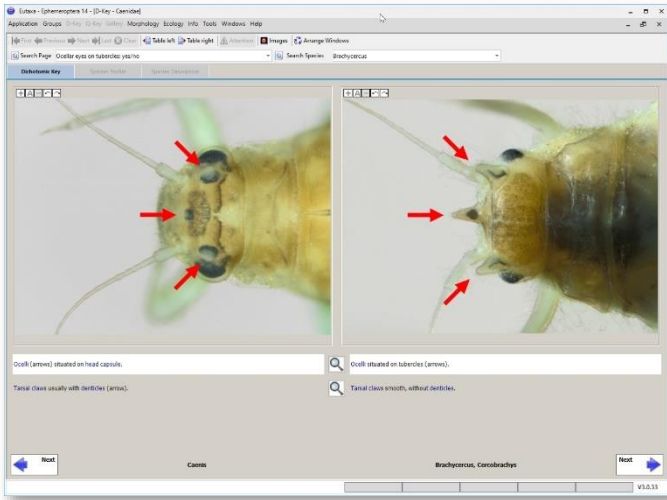
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Dieses Produkt bietet ein vielseitiges englischsprachiges Programm zur Bestimmung von Larven der Insektenordnung Ephemeroptera. Rund 140 zentraleuropäische Arten Mitteleuropas sind darin in zahlreichen Abbildungen dokumentiert, die in einer Bilddatenbank gespeichert sind und miteinander verglichen werden können. Eine Reihe ökologischer und systematischer Daten soll das Wissen über diese für die Klassifizierung von stehenden und fließenden Gewässern wichtige Wirbellosengruppe erweitern.

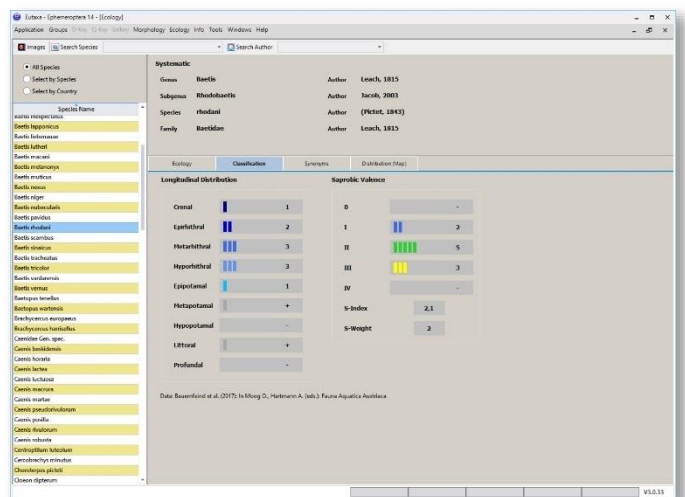
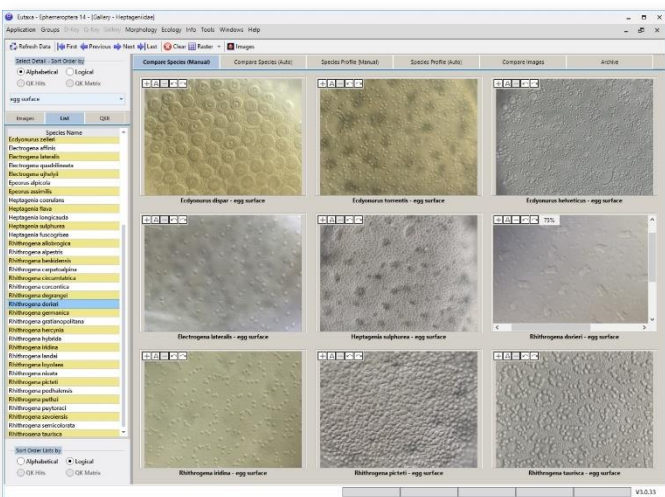
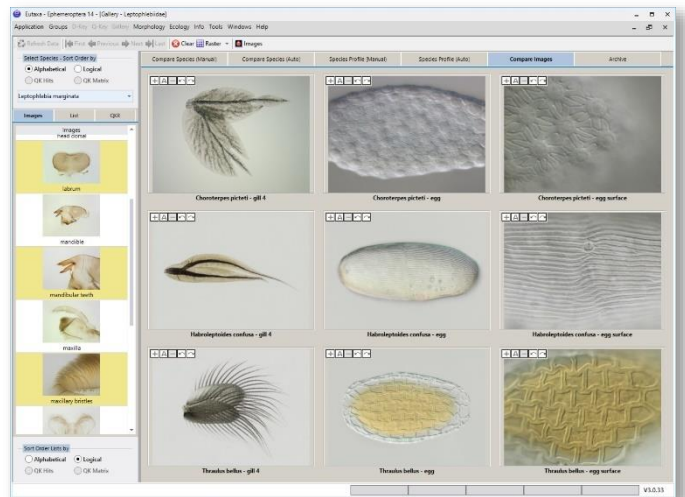
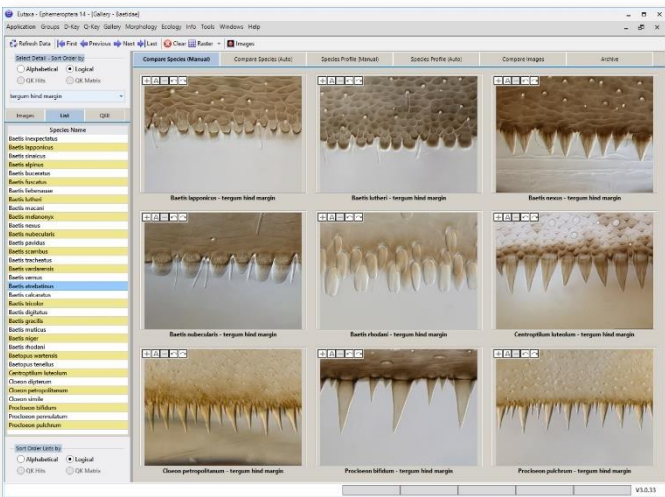
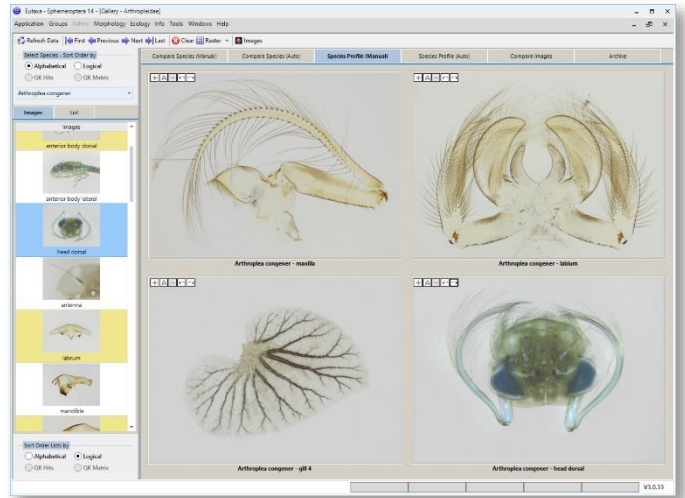
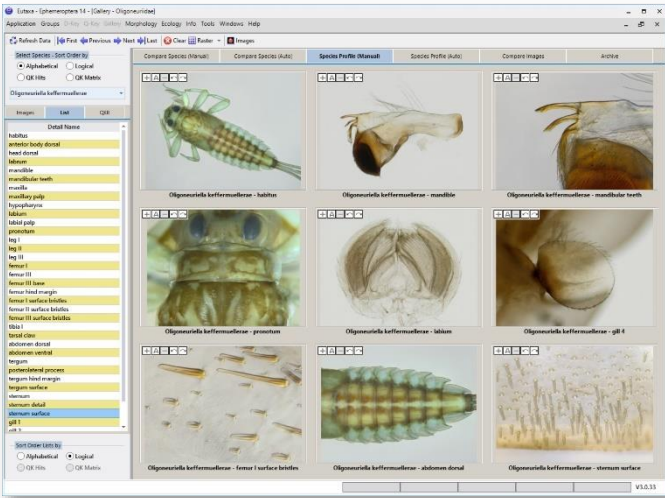
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**Programm-Oberfläche: D-Key, Morphologie**



## Programm-Oberfläche: Galerie, Ökologie



**Liste der im Schlüssel behandelten Arten****Familie Ameletidae**

Ameletus inopinatus Eaton, 1887  
 Metreletus balcanicus (Ulmer, 1920)

**Familie Ametropodidae**

Ametropus fragilis Albarda, 1878

**Familie Arthropleidae**

Arthroplea congener Bengtsson, 1908

**Familie Baetidae**

Baetis (Acentrella) inexpectatus (Tshernova 1928)  
 Baetis (Acentrella) lapponicus (Bengtsson, 1912)  
 Baetis (Acentrella) sinaicus (Bogoescu, 1931)  
 Baetis (Baetis) alpinus (Pictet, 1843)  
 Baetis (Baetis) buceratus Eaton, 1870  
 Baetis (Baetis) fuscatus (Linnaeus, 1761)  
 Baetis (Baetis) liebenauae Keffermüller, 1974  
 Baetis (Baetis) lutheri Müller-Liebenau, 1967  
 Baetis (Baetis) macani Kimmins, 1957  
 Baetis (Baetis) melanonyx (Pictet, 1843)  
 Baetis (Baetis) nexus Navás, 1918  
 Baetis (Baetis) nubecularis Eaton, 1898  
 Baetis (Baetis) pavidus Grandi, 1951  
 Baetis (Baetis) scambus Eaton, 1870  
 Baetis (Baetis) tracheatus Kefferm. & Machel 1967  
 Baetis (Baetis) vardarensis Ikononov, 1962  
 Baetis (Baetis) vernus Curtis, 1834  
 Baetis (Labiobaetis) atrebatinus Eaton, 1870  
 Baetis (Labiobaetis) calcaratus Keffermüller, 1972  
 Baetis (Labiobaetis) tricolor Tshernova, 1928  
 Baetis (Nigrobaetis) digitatus Bengtsson, 1912  
 Baetis (Nigrobaetis) gracilis Bog. & Tabac., 1957  
 Baetis (Nigrobaetis) muticus (Linnaeus, 1758)  
 Baetis (Nigrobaetis) niger (Linnaeus, 1761)  
 Baetis (Rhodobaetis) rhodani (Pictet, 1843)  
 Baetopus (Baetopus) wartensis Kefferm., 1960  
 Baetopus (Raptobaetopus) tenellus (Alb., 1878)  
 Centroptilum luteolum (O.F. Müller, 1776)  
 Cloeon (Cloeon) dipterum (Linnaeus, 1761)  
 Cloeon (Intercl.) petropolitanum Kl. & Nov., 1992  
 Cloeon (Similicloeon) simile Eaton, 1870  
 Procloeon (Procloeon) bifidum (Bengtsson, 1912)  
 Procloeon (Pseudocentr.) pennulatum (Eat., 1870)  
 Procloeon (Pseudocentr.) pulchrum (Eaton, 1885)

**Familie Caenidae**

Brachycercus europaeus Kluge, 1991  
 Brachycercus harrisellus Curtis, 1834  
 Caenis beskidensis Sowa, 1973  
 Caenis horaria (Linnaeus, 1758)  
 Caenis lactea (Burmeister, 1839)  
 Caenis luctuosa (Burmeister, 1839)  
 Caenis macrura Stephens, 1836  
 Caenis martae Belfiore, 1984  
 Caenis pseudorivulorum Keffermüller, 1960

Caenis pusilla Navás, 1913  
 Caenis rivulorum Eaton, 1884  
 Caenis robusta Eaton, 1884  
 Cercobrachys minutus (Tshernova, 1952)

**Familie Ephemerellidae**

Ephemerella ignita (Poda, 1761)  
 Ephemerella mesoleuca (Brauer, 1857)  
 Ephemerella mucronata (Bengtsson, 1909)  
 Ephemerella notata Eaton, 1887  
 Eurylophella karelica (Tiensuu, 1935)  
 Torleya major (Klapálek, 1905)

**Familie Ephemeridae**

Ephemera (Ephemera) danica O.F. Müller, 1764  
 Ephemera (Ephemera) lineata Eaton, 1870  
 Ephemera (Ephemera) vulgata Linnaeus, 1758  
 Ephemera (Sinephemera) glaucops Pictet, 1843

**Familie Heptageniidae**

Ecdyonurus (Ecd.) aurantiacus (Burmeister, 1839)  
 Ecdyonurus (Ecd.) dispar (Curtis, 1834)  
 Ecdyonurus (Ecd.) insignis (Eaton, 1870)  
 Ecdyonurus (Ecd.) macani Thomas & Sowa, 1970  
 Ecdyonurus (Ecd.) ruffii Grandi, 1953  
 Ecdyonurus (Ecd.) starmachi Sowa, 1971  
 Ecdyonurus (Ecd.) submontanus Landa, 1969  
 Ecdyonurus (Ecd.) torrentis Kimmins, 1942  
 Ecdyonurus (Ecd.) venosus (Fabricius, 1775)  
 Ecdyonurus (Helv.) alpinus H., Tom. & Zur., 1987  
 Ecdyonurus (Helv.) austriacus Kimmins, 1958  
 Ecdyonurus (Helv.) helveticus Eaton, 1883  
 Ecdyonurus (Helv.) parahelveticus H. T. & Z. 1986  
 Ecdyonurus (Helv.) picteti (Meyer-Dür, 1864)  
 Ecdyonurus (Helv.) siveci Jacob & Braasch, 1984  
 Ecdyonurus (Helv.) subalpinus Klapálek, 1907  
 Ecdyonurus (Helv.) zelleri Eaton, 1885  
 Electrogena affinis (Eaton, 1887)  
 Electrogena lateralis (Curtis, 1834)  
 Electrogena quadrilineata (Landa, 1969)  
 Electrogena ujhelyii (Sowa, 1981)  
 Epeorus (Epeorus) assimilis Eaton, 1885  
 Epeorus (Ironopsis) alpicola (Eaton, 1871)  
 Heptagenia (Dacnogenia) coeruleans Rostock, 1878  
 Heptagenia (Heptg.) flava Rostock, 1878  
 Heptagenia (Heptg.) longicauda (Stephens, 1836)  
 Heptagenia (Heptg.) sulphurea (O.F. Müller, 1776)  
 Heptagenia (Kageronia) fuscogrisea (Retz., 1783)  
 Rhithrogena allobrogica Sowa & Degrange, 1987  
 Rhithrogena alpestris Eaton, 1885  
 Rhithrogena beskidensis Alba-Terc. & Sowa, 1987  
 Rhithrogena carpatoalpina Kl., Ol., Sa. & W., 1987  
 Rhithrogena circumtatica Sowa & Soldán, 1986  
 Rhithrogena corcontica Sowa & Soldán, 1986  
 Rhithrogena degrangei Sowa, 1969  
 Rhithrogena dorieri Sowa, 1971

*Rhithrogena germanica* Eaton, 1885  
*Rhithrogena gratianopolitana* Sowa, D. & S., 1986  
*Rhithrogena grischuna* Sartori & Oswald, 1988  
*Rhithrogena hercynia* Landa, 1969  
*Rhithrogena hybrida* Eaton, 1885  
*Rhithrogena iridina* (Kolenati, 1859)  
*Rhithrogena landai* Sowa & Soldán, 1984  
*Rhithrogena loyolaea* Navás, 1922  
*Rhithrogena nivata* Eaton, 1871  
*Rhithrogena picteti* Sowa, 1971  
*Rhithrogena podhalensis* Sowa & Soldán, 1986  
*Rhithrogena puthzi* Sowa, 1984  
*Rhithrogena puytoraci* Sowa & Degrange, 1987  
*Rhithrogena savoiensis* Alba-Terc. & Sowa, 1987  
*Rhithrogena semicolorata* (Curtis, 1834)  
*Rhithrogena taurisca* Bauernfeind, 1992

#### **Familie Isonychiidae**

*Isonychia ignota* (Walker, 1853)

#### **Familie Leptophlebiidae**

*Choroterpes* (*Choroterpes*) *picteti* (Eaton, 1871)  
*Habroleptoides auberti* (Biancheri, 1954)  
*Habroleptoides confusa* Sartori & Jacob, 1986  
*Habrophlebia eldae* Jacob & Sartori, 1984  
*Habrophlebia fusca* (Curtis, 1834)  
*Habrophlebia lauta* Eaton, 1884  
*Leptophlebia marginata* (Linné, 1767)  
*Leptophlebia vespertina* (Linnaeus, 1758)  
*Paraleptophlebia cincta* (Retzius, 1783)

*Paraleptophlebia submarginata* (Stephens, 1836)  
*Paraleptophlebia weneri* Ulmer, 1920  
*Thraululus bellus* Eaton, 1881

#### **Familie Neoephemeridae**

*Neoephemera maxima* (Joly, 1870)

#### **Familie Oligoneuriidae**

*Oligoneuriella keffermuelleriae* Sowa, 1973  
*Oligoneuriella pallida* (Hagen 1855)  
*Oligoneuriella rhenana* (Imhoff, 1852)

#### **Familie Palingeniidae**

*Palingenia longicauda* (Olivier, 1791)

#### **Familie Polymitarciidae**

*Ephoron virgo* (Olivier, 1791)

#### **Familie Potamanthidae**

*Potamanthus luteus* (Linné, 1767)

#### **Familie Prosopistomatidae**

*Prosopistoma pennigerum* (O.F. Müller, 1785)

#### **Familie Siphonuridae**

*Siphonurus* (*Siphonurus*) *aestivalis* Eaton, 1903  
*Siphonurus* (*Siphonurus*) *armatus* Eaton, 1870  
*Siphonurus* (*Siphonurus*) *croaticus* Ulmer, 1920  
*Siphonurus* (*Siphonurus*) *lacustris* Eaton, 1870  
*Siphonurus* (*Siphonurus*) *alternatus* (Say, 1824)