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Culicidae 23
Simuliidae 23
Trichoptera 23
MZB Families 23
Ephemeroptera 23

Key to Larval, Juvenile and Adult Stages of Freshwater Fishes from Central Europe

Wolfgang Lechthaler & Wolfgang Hauer



2023



Title: Pisces - Key to Larval, Juvenile and Adult Stages of Freshwater Fishes from Central Europe; DVD-Edition
Authors: Wolfgang Lechthaler & Wolfgang Hauer

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Pisces 23 - Product Information

Title

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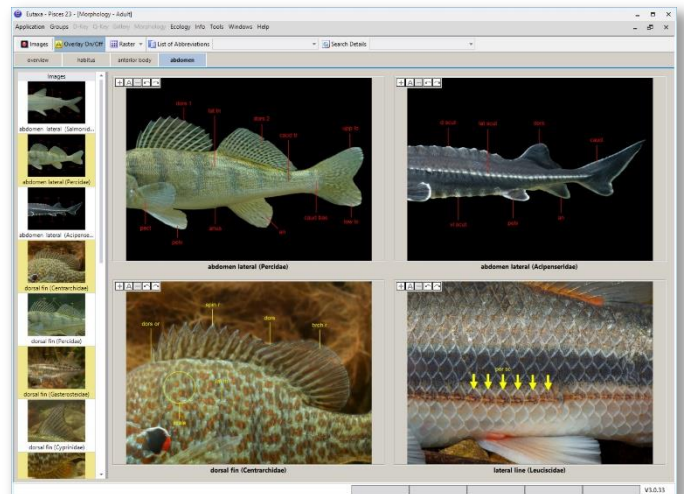
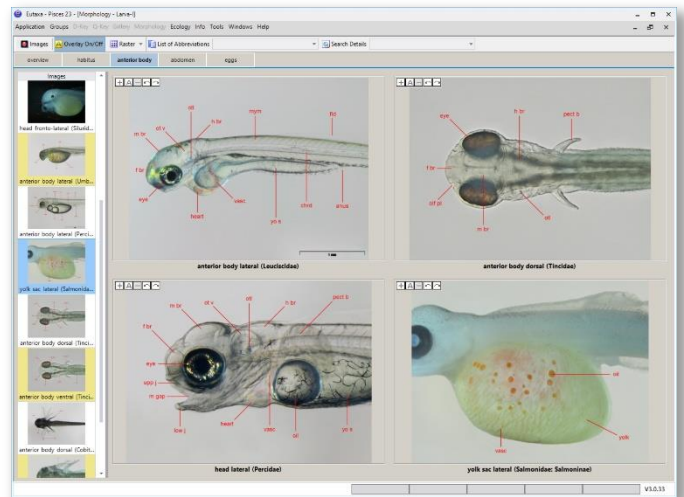
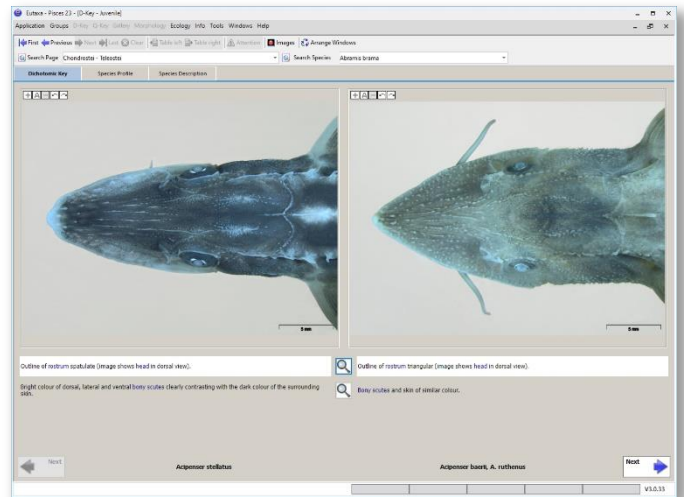
Price

€ 780,00

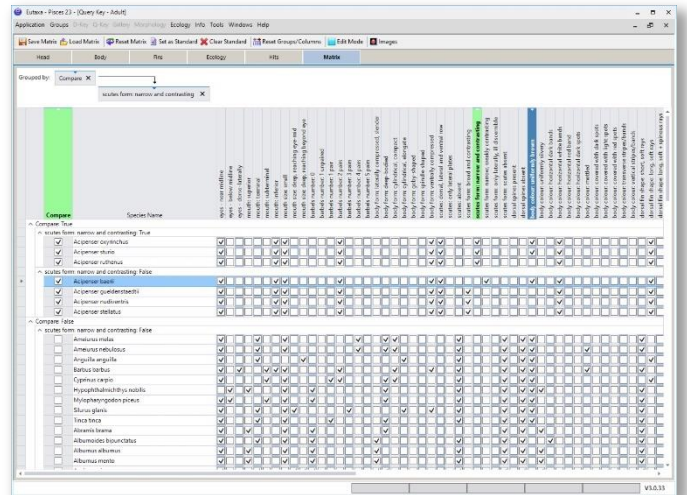
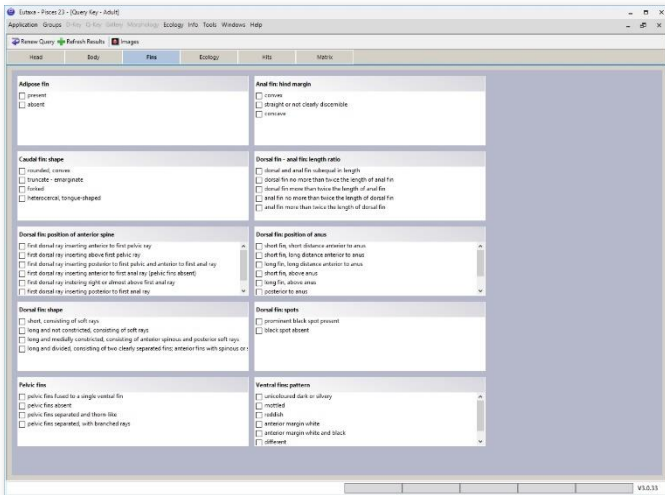
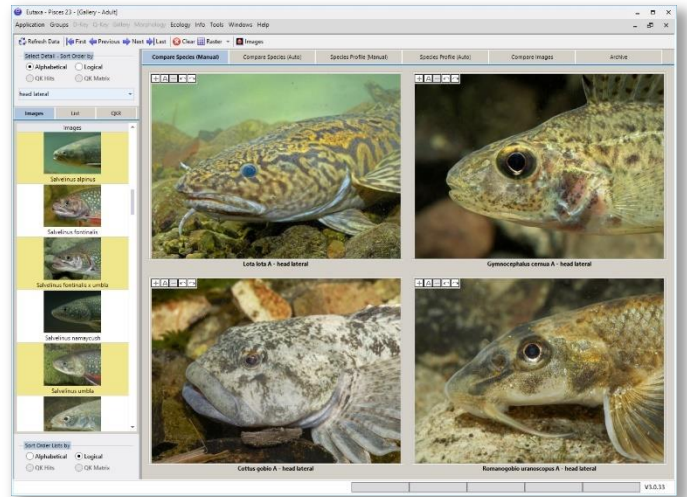
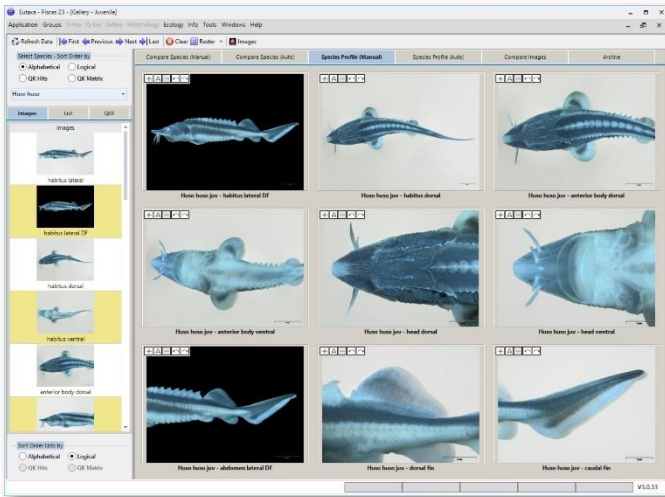
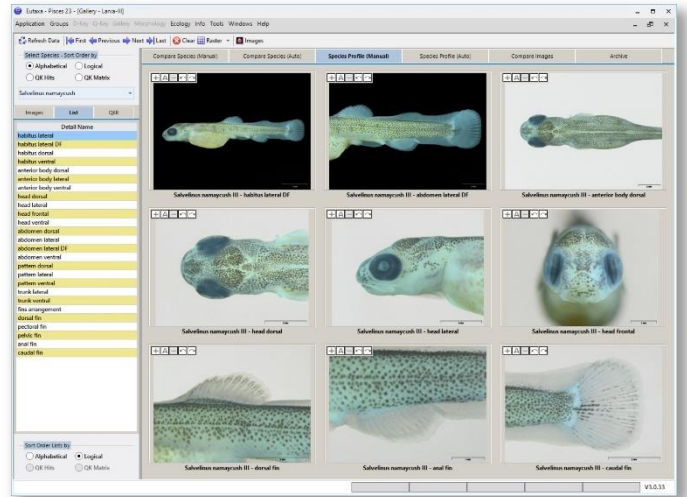
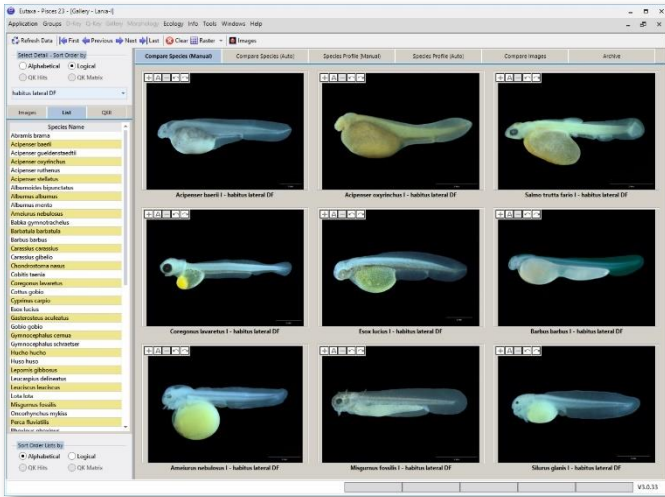
This product offers a versatile application for the identification of five larval stages (free embryos (I), young (II), intermediate (III) and older (IV) larvae, young juveniles (V)), one juvenile and one adult stage of freshwater fishes (Chondrostei, Teleostei) from Central Europe. About 90 species are documented precisely and several thousand illustrations of relevant morphological characters can be queried from an extensive picture database and compared with each other. A range of ecological and systematic dates shall enhance the knowledge of this vertebrate group, significant for the classification of standing or running waters.

More information about this product, how to order, and a sample of images from the picture data base is given under the internet address www.eutaxa.com

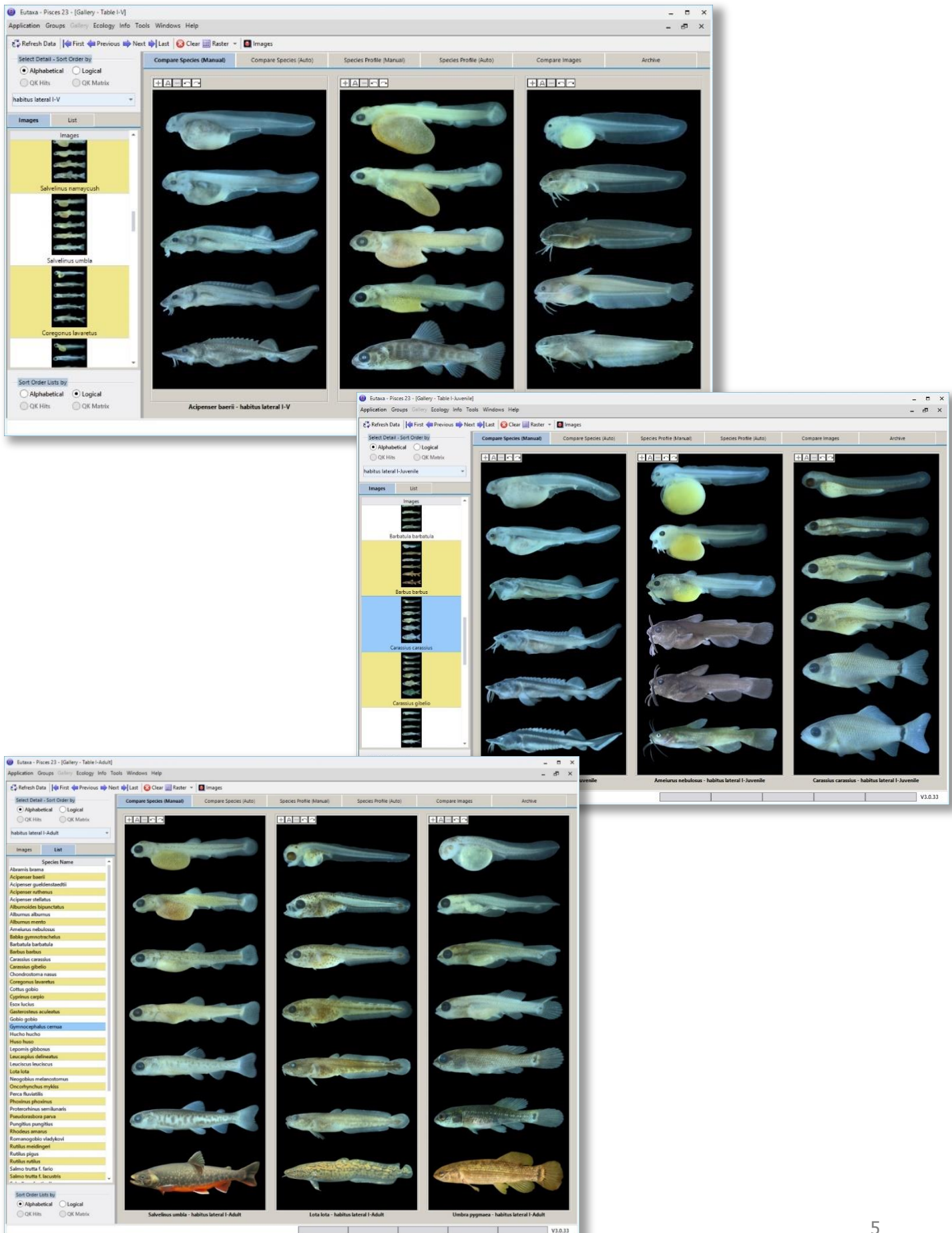
For questions, concerning this product, please send an E-Mail to lechthaler@eutaxa.com



Software Images: Gallery, Query Key



Software Images: Gallery – Stages



List of Species, covered by the Key

Subclass Chondrostei

Family Acipenseridae

Acipenser baerii Brandt, 1869
 Acipenser gueldenstaedtii Brandt & Ratzeb., 1833
 Acipenser nudiiventris Lovetzky, 1828
 Acipenser oxyrinchus Mitchell, 1815
 Acipenser ruthenus Linnaeus, 1758
 Acipenser stellatus Pallas, 1771
 Huso huso Linnaeus, 1758

Subclass Teleostei

Family Acheilognathidae

Rhodeus amarus (Bloch, 1782)

Family Anguillidae

Anguilla anguilla Linnaeus, 1758

Family Bagridae

Tachysurus fulvidraco (Richardson, 1846)

Family Centrarchidae

Lepomis gibbosus (Linnaeus, 1758)
 Micropterus salmoides (Lacépède, 1802)

Family Cobitidae

Cobitis elongatoides Băcescu & Mayer, 1969
 Cobitis taenia Linnaeus, 1758
 Misgurnus fossilis (Linnaeus, 1758)
 Misgurnus anguillicaudatus (Cantor, 1842)
 Sabanejewia balcanica (S. L. Karaman, 1922)

Family Cottidae

Cottus gobio Linnaeus, 1758

Family Cyprinidae

Barbus balcanicus Kotlík et al., 2002
 Barbus barbus (Linnaeus, 1758)
 Carassius carassius (Linnaeus, 1758)
 Carassius gibelio (Bloch, 1782)
 Cyprinus carpio Linnaeus, 1758

Family Esocidae

Esox lucius Linnaeus, 1758

Family Gasterosteidae

Gasterosteus aculeatus Linnaeus, 1758
 Pungitius pungitius (Linnaeus, 1758)

Family Gobiidae

Babka gymnotrachelus (Kessler, 1857)
 Neogobius fluviatilis (Pallas, 1814)
 Neogobius melanostomus (Pallas, 1814)
 Ponticola kessleri (Günther, 1861)
 Proterorhinus semilunaris (Heckel, 1837)

Family Gobionidae

Gobio gobio (Linnaeus, 1758)
 Gobio obtusirostris Valenciennes, 1842
 Pseudorasbora parva (Temminck & Schleg., 1846)
 Romanogobio carpathorossicus (Vladykov, 1925)
 Romanogobio skywalkeri Friedrich et al., 2018
 Romanogobio uranoscopus (Agassiz, 1828)
 Romanogobio vladkovi (Fang, 1943)

Family Ictaluridae

Ameiurus melas (Rafinesque, 1820)
 Ameiurus nebulosus (Lesueur, 1819)

Family Leuciscidae

Abramis brama (Linnaeus, 1758)
 Alburnoides bipunctatus (Bloch, 1782)
 Alburnus alburnus (Linnaeus, 1758)
 Alburnus mento (Heckel, 1837)
 Aspius aspius (Linnaeus, 1758)
 Ballerus ballerus (Linnaeus, 1758)
 Ballerus sapa (Pallas, 1814)
 Blicca bjoerkna (Linnaeus, 1758)
 Chondrostoma nasus (Linnaeus, 1758)
 Leucaspis delineatus (Linnaeus, 1758)
 Leuciscus idus (Linnaeus, 1758)
 Leuciscus leuciscus (Linnaeus, 1758)
 Pelecus cultratus (Linnaeus, 1758)
 Phoxinus phoxinus (Linnaeus, 1758)
 Rutilus meidingeri (Heckel, 1851)
 Rutilus pigus (Lacépède, 1803)
 Rutilus rutilus (Linnaeus, 1758)
 Scardinius erythrophthalmus (Linnaeus, 1758)
 Squalius cephalus (Linnaeus, 1758)
 Telestes souffia (Risso, 1826)
 Vimba vimba (Linnaeus, 1758)

Family Lotidae

Lota lota (Linnaeus, 1758)

Family Nemacheilidae

Barbatula barbatula (Linnaeus, 1758)

Family Odontobutidae

Perccottus glenii Dybowski, 1877

Family Percidae

Gymnocephalus baloni Holčík & Hensel, 1974
Gymnocephalus cernua (Linnaeus, 1758)
Gymnocephalus schraetser (Linnaeus, 1758)
Perca fluviatilis Linnaeus, 1758
Sander lucioperca (Linnaeus, 1758)
Sander volgensis (Gmelin, 1789)
Zingel streber (Siebold, 1863)
Zingel zingel (Linnaeus, 1758)

Family Poeciliidae

Gambusia affinis (Baird & Girard, 1853)
Gambusia holbrooki Girard, 1859
Poecilia reticulata Peters, 1859

Family Salmonidae

Coregonus lavaretus Linnaeus, 1758
Hucho hucho (Linnaeus, 1758)
Oncorhynchus mykiss (Walbaum, 1792)
Salmo trutta f. fario Linnaeus, 1758
Salmo trutta f. lacustris Linnaeus, 1758
Salmo trutta x Salvelinus fontinalis
Salvelinus alpinus (Linnaeus, 1758)
Salvelinus fontinalis (Mitchill, 1814)
Salvelinus fontinalis x S. umbla
Salvelinus namaycush (Walbaum, 1792)
Salvelinus umbla (Linnaeus, 1758)
Thymallus thymallus (Linnaeus, 1758)

Family Siluridae

Silurus glanis Linnaeus, 1758

Family Umbridae

Umbra krameri Walbaum, 1792
Umbra pygmaea (DeKay, 1842)