

eKey - electronic multiple entry key: a new tool for environmental managers to identify aquatic invertebrates

Angélibert S., Faessler S., Gattolliat J.-L., Gessner M., Lazeyras M., Pansier S., Sartori M., Stucki P. & Oertli B.
University of Applied Sciences of Western Switzerland, hepia, Earth-Nature-Environment Institute, 150 rte de Presinge, 1254 Jussy-GE
Corresponding author: beat.oertli@hesge.ch

hepia

Haute école de paysage, d'ingénierie
et d'architecture de Genève

Hes-so/GENÈVE
Haute école spécialisée
de Suisse occidentale

eawag
aquatic research

musée de
zoologie
lausanne



La Maison
de la Rivière

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Background



Identification tools so far...

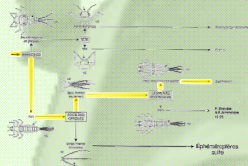
Paper printed



Limited quality and number of illustrations

Difficulty to detect possible mistakes

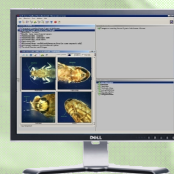
Dichotomic



Unflexibility of use

Future prospects for identification...

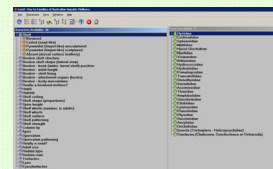
Electronic



More illustrations, best quality

Easier to locate errors

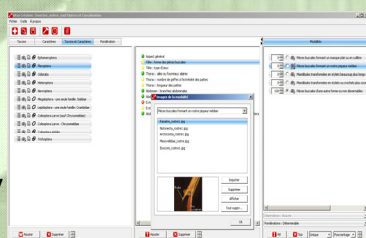
Multiple entry



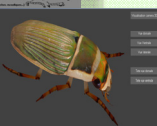
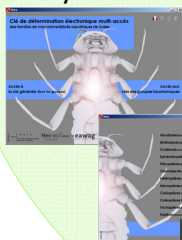
No restrictions on the order in which characters can be used

What's new?

A new software to build multiple entry key



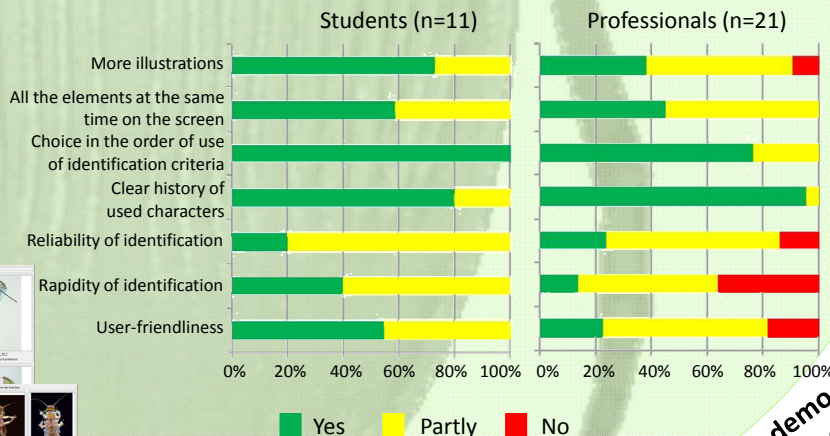
A new key for the aquatic invertebrates of Switzerland to family level



This new key was:

- developed in strong association with practitioners and is adapted to their needs for biotic index calculation
- tested by both professionals and students (bachelor level):

Do this key has the following advantages?



Strong interest of the young users

You would like a demo, ask during the poster sessions

You would like a demo, ask during the poster sessions