ARB GUIDE TO UPDATE THE LTP TAXONOMY – LTP TEAM 05.09.23

This is a guide to update the LTP taxonomy of databases downloaded before September 2023 using ARB.

1/ Download the latest LTP release in csv format from https://imedea.uib-csic.es/mmg/ltp/

This file is organized as follows:

Column	Field	Definition
1	acc	Accession number
2	fullname_ltp	Species names (checked against LPSN)
3	tax_ltp	Taxonomic hierarchy (checked against LPSN)
4	tax_status_ltp	Taxonomic status of the fullname_ltp entry
5	type_ltp	Type species giving the name to the genus
6	sp_name_LPSN	Correct species name according to LPSN
7	tax_LPSN	Taxonomic hierarchy according to LPSN

2/ Open your database with ARB and go to File \rightarrow Import \rightarrow Import fields from calc-sheet

The following window will pop up and must be competed as follows to update the LTP Taxonomy field (tax_ltp)

GDE / Import / Import fields from calc-sheet (on mmg4) – 🗆 🗙						
CLOSE GO	HELP					
Import from CSV	//home/asuarez/Escritorio/RELEASE_LTP_12_ Browse					
Write content of column	3 - •					
to field	tax_ltp					
of species for which field	acci					
matches content of column	1 - +					
Columns are separated by	tabs 🖃					
Overwrite existing fields	∻no ♦yes					
Unmatched entries will	be skipped 🖃					
Import to	all species 🖃					
Mark	species when writing field (unmark rest) $=$					
Field type	Text =					

Follow the same steps to update all the LTP fields listed in the table as the information may have been also updated.



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NDS (on mmg4) – 🗆 😣								
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3/ Check that the changes have been updated. Go to *Tree* \rightarrow *NDS* (*Node Display setup*)

When the marked species are now listed in the main ARB window it will look like the picture below:

	LTP_04_2021_tax_update.arb - ARB (on mmg4)						
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4/ Do not forget to save your database at *File* \rightarrow *Save whole database as...*

