

ARB GUIDE TO UPDATE LTP TAXONOMY – LTP TEAM 13.12.21

This is a guide to update the LTP taxonomy of databases downloaded before September 2021 (e.g. LTP_04_2021 and LTP_09_2021) using ARB.

1/ Download the LTP_12_2021.csv file from <https://imedea.uib-csic.es/mmg/ltf/>

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* → *Import* → *Import fields from calc-sheet*

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

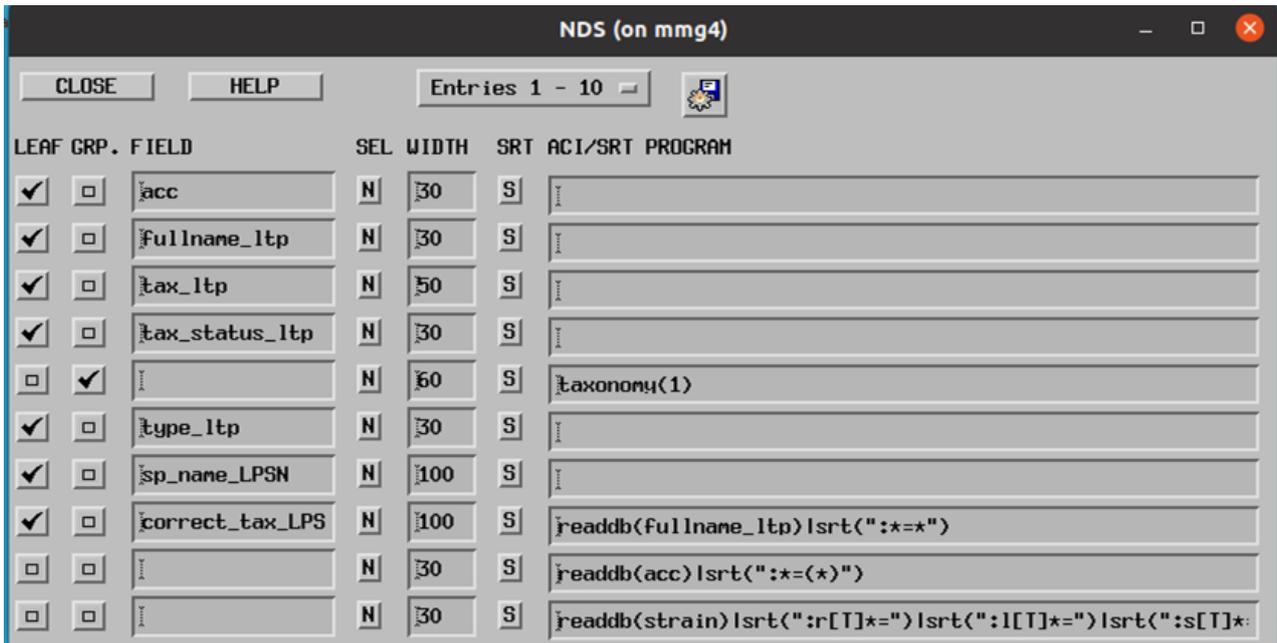
The screenshot shows the 'Import fields from calc-sheet' dialog box in ARB. The window title is 'GDE / Import / Import fields from calc-sheet (on mmg4)'. The dialog has buttons for 'CLOSE', 'GO', and 'HELP'. The settings are as follows:

- Import from CSV: /home/asuarez/Escritorio/RELEASE_LTP_12_ (with a 'Browse' button)
- Write content of column: 3 (with '-' and '+' buttons)
- to field: tax_ltp
- of species for which field matches content of column: acc
- Columns are separated by: tabs (with a dropdown arrow)
- Overwrite existing fields: no (selected) / yes
- Unmatched entries will: be skipped (with a dropdown arrow)
- Import to: all species (with a dropdown arrow)
- Mark: species when writing field (unmark rest) (with a dropdown arrow)
- Field type: Text (with a dropdown arrow)

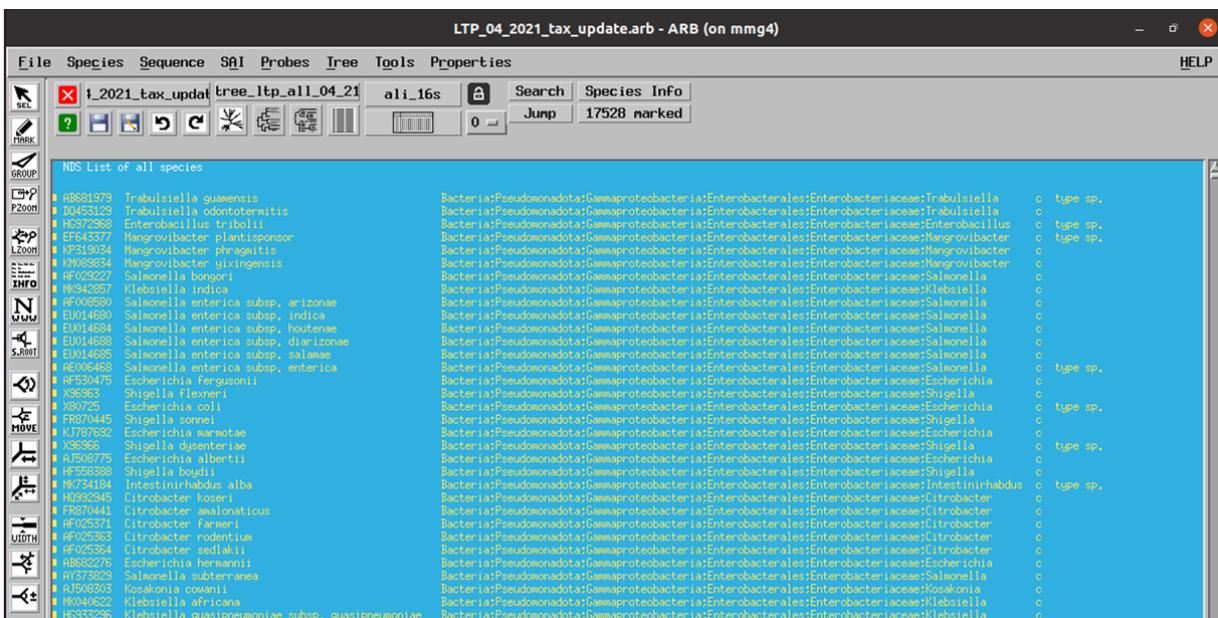
Follow the same steps to update all the LTP fields listed in the table as the information may have been also updated.

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3/ Check that the changes have been updated. Go to *Tree* → *NDS (Node Display setup)*



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



4/ Do not forget to save your database at *File* → *Save whole database as...*

If you have any questions or doubts, please do not hesitate contacting with the LTP team at ltp@imedea.uib-csic.es