

## Phonemic Tagging with the Spanish Phonology Transcriber

This layer manager annotates Spanish words their phonemic transcription, based on rules that map orthography to phonology.

Rule-based conversion is based on [spanish-pronunciation-rules-php](http://spanish-pronunciation-rules-php), an open-source PHP function that converts a Spanish word into IPA phonetic transcription symbols, written by Timur Baytukalov, <http://easypronunciation.com/en/>

### Creating a Phonemes Layer

To create a new layer with annotations from your dictionary:

1. Select the *word layers* option on the menu - this will display a list of all the word layers you already have in the database.
2. At the top of the list, there's a blank form for creating a new layer - fill this form in:
  - *Layer ID* - enter a one- or two-word description - e.g. phonemes
  - *Type* - select Phonological
  - *Manager* - select Spanish phonological transcriber
  - *Alignment* - select *None* (as these are simply tags on the orthographic words)
  - *Generate* - select Always
3. Press the *New* button to create the layer. You will see the layer configuration page. Check the online help for explanations of all options, but at least:
4. Ensure the *Source Layer* is *orthography*
5. Select the desired *Locale* from the list.

The image shows a web form for configuring a new layer. It has three rows of labels and input fields. The first row is 'Source layer:' followed by a dropdown menu showing 'orthography'. The second row is 'Language:' followed by a text input field containing 'es-MX'. The third row is 'Locale:' followed by a dropdown menu showing 'Mexican Spanish'. Below these fields is a 'Save' button.

6. Press *Save*
7. Press *Regenerate*.  
You will see a progress bar while the layer manager annotates all the transcripts that have already been uploaded.

LaBB-CAT will then generate annotations for all the transcripts you already have in your database. If you have a lot of data, this may take a while.

From now on, when you upload a new transcript, annotations will automatically be generated by using the mapping rules for the selected locale.