https://gustine.eu/mode_emploi/sosa-fr.php
https://gustine.eu/mode_emploi/sosa-en.php
https://gustine.eu/mode_emploi/sosa-es.php
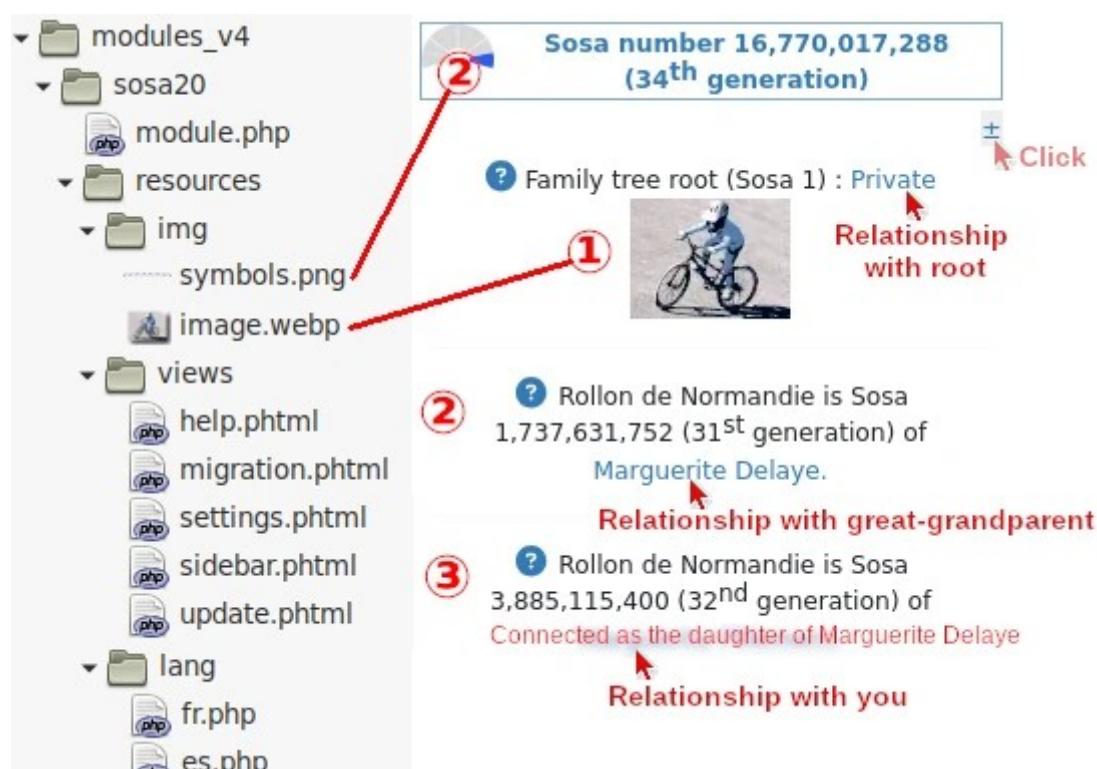(October 2025)

Sosa²⁰ module for webtrees 2

This module adds a sidebar displaying the Sosa-Stradonitz numbering of the root individual's ancestors. As the calculation on the fly can be excessively long if the number of generations is large, it is preferable to calculate the numbers and store them in a *wt_sosa* table created by this module. For each person and each GEDCOM, it contains the Sosa number and the corresponding generation.

At startup, the system checks whether the table exists and, if not, prompts the user to create* it. An editor must then fill it in, for each tree. When an individual's page is displayed, the module simply reads the table without recalculating the Sosa numbers each time. Updates must be made from time to time, particularly after adding new ancestors.

* When creating or migrating the database, an error page stating "There is no active transaction…" appears. Reload the page and continue.

Includes several files that must be placed in the *modules_v4/sosa20* folder.

① Optional. A profile image is added to make it easier to identify the default individual of the tree. Several images can be defined in the case of multiple trees.

② Optional. It is assumed that the first generation Individuals are hidden from visitors, but that the eight great-grandparents of the fourth generation are visible. We then determine which great-grandparent's ancestor the individual is and display a small symbol representing its place on a fan diagram. Once determined, we display the great-grandparent and calculate the sosa number corresponding to this secondary root. The number of generations can be configured and the image can be adjusted accordingly.

③ Optional. For each connected member linked to an individual in the tree, the Sosa numbers, calculated from that individual, are also displayed. To do this, a new *user_id* field is added to the *wt_sosa* table to pre-calculate and store the numbers for each root. The database migration process recovers the previously calculated numbers for the default individual, the root of the tree.

When using the module for the first time, an editor must fill in the table for visitors (the default individual numbers) and possibly for themselves. Each member must do the same for themselves. This must be done for **each tree**. Updates must be made from time to time, particularly after adding new ancestors.

A help page integrated into the module informs the user about what they can and cannot do based on their status.