

# Metadata Annotation Validation and excel spreadsheet like functionality

*What is the problem you want to solve? \**

Allow users to annotate large volumes of metadata while still providing an ontology/validation system. Eg. 1500 samples need to be annotated in Stemformatics. These samples need to be annotated against a controlled vocabulary called an ontology.

*Why do you want to solve this problem?*

We want to improve our interface. It could also be used for the BPA metadata website that is built by CCG.

*What do you envision as the ideal solution for this problem?*

A web based javascript excel spreadsheet like interface that has a backend that provides a quick and customisable validation layer and ontology holder.

*What sort of Open Source solution do you think can be created in 48 hours, by a small team of developers, designers and data analysts?*

Python / Pyramid / Postgres solution that can be converted into a module via Pypi.  
Front end would be a BioJS component?

*What are the current solutions for handling this problem?*

Stemformatics is currently using an old version of handsontable (javascript) and a validation layer written in PHP.