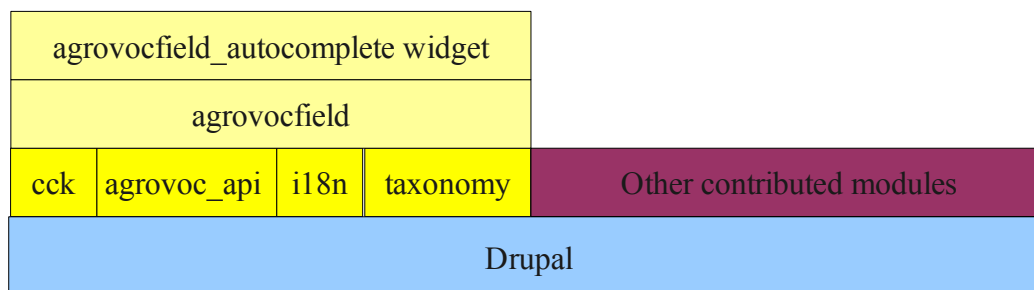


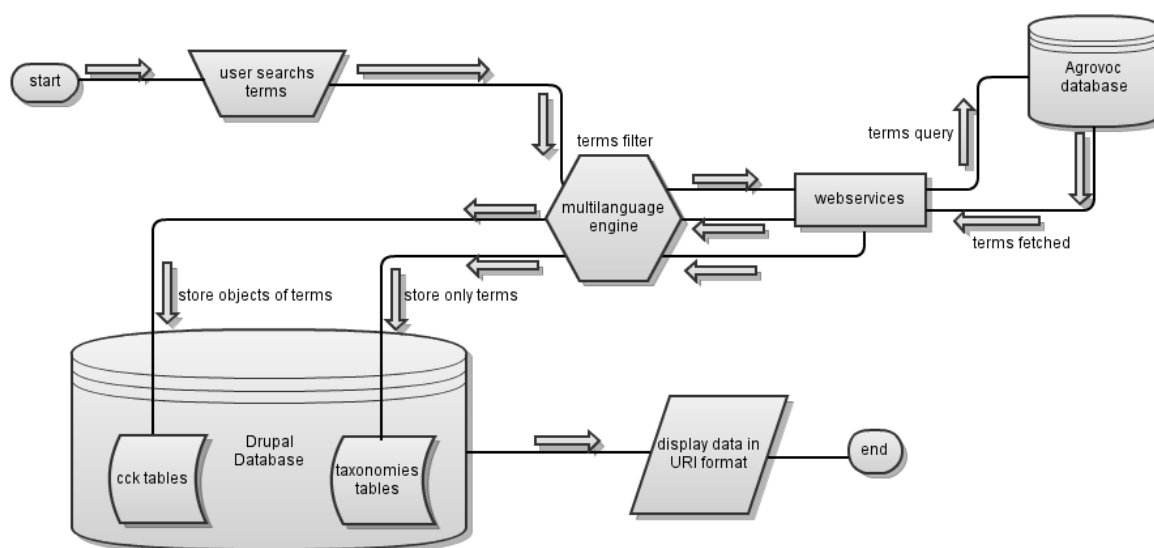
## AGROVOC FIELD ARCHITECTURE

Agrovocfield is a module based on CCK API. It is made up by a base module and its widgets to display data in a determined format. By now, only autocomplete widget is available.

The following figure explain dependences of agrovocfield module



The following scheme explain how to work agrovocfield module.



Agrovocfield module stores information inside 2 storages: taxonomies and CCK. Data is stored in object format for CCK storage and string format for taxonomies storage.

The approach to manage taxonomies storage is classical and you can find information a lot in [api.drupal.org](http://api.drupal.org). In particular, I used `taxonomy_save_term` function to store multilanguage terms.

The approach for CCK storage is diferent. I prefered storing multilanguage terms in a object format. I used `content_taxonomy` as reference, if `content_taxonomy` module would have allowed store strings, I would have built a widget based on this module but `content_taxonomy` only allows store integer values.

In that context, I had to build a new module called agrovocfield that can store objects in a string

format.

The structure of one agrovocfield object is

### Execute PHP Code

```
... (Object) stdClass
  id (String, 4 characters) 6599
  labels (Array, 4 elements)
    en (String, 4 characters) Rice
    fr (String, 3 characters) Riz
    it (String, 4 characters) Riso
    es (String, 5 characters) Arroz
Krumo version 0.2a | http://krumo.sourceforge.net
Called from /var/www/test6/includes/form.inc, line 782
```

PHP code to execute:

```
dsm(agrovocfield_load_object('rice'));
```

As you can see, load a agrovoc term object is very easy. You only need to add a label of agrovoc thesaurus as parameter inside agrovocfield\_load\_object function.

This scheme allows to have always available multilanguage information about any label in any moment. Available languages for this kind of object depends on what languages you have enabled in your site.

The rest of logic of agrovoc module is available inside of module as commentaries above each function. Besides, you will need to review information about CCK API.