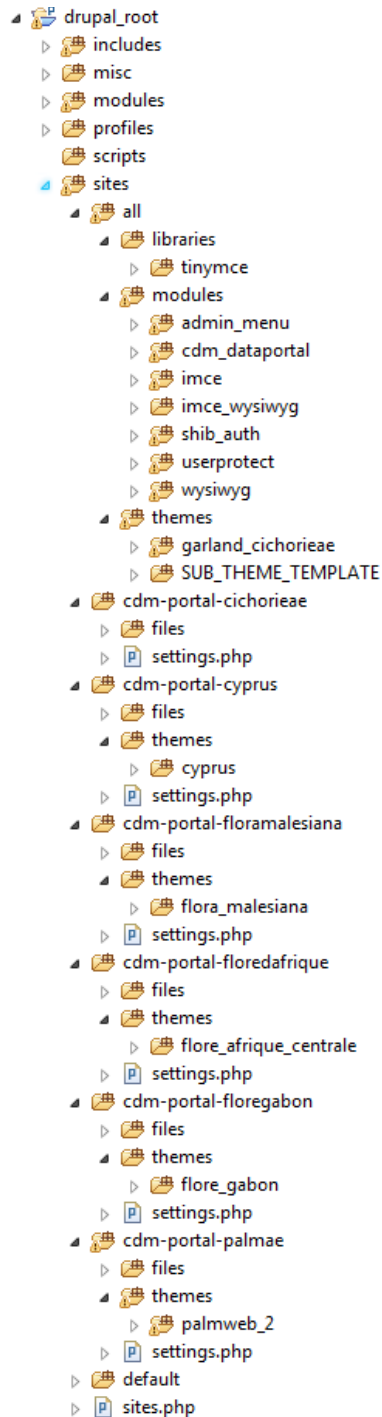# Drupal multi-site installation for the migrated CDM-Portal sites

By W. Addink, Aug. 2012

In a multi-site installation in Drupal 7 the recommended file structure for the cdm portals is as follows:

```
drupal_root
    includes
    misc
    modules
    profiles
    scripts
    sites
        all
            libraries
                tinymce
            modules
                admin_menu
                cdm_dataportal
                imce
                imce_wysiwyg
                shib_auth
                userprotect
                wysiwyg
            themes
                garland_cichorieae
                SUB_THEME_TEMPLATE
        cdm-portal-cichorieae
            files
            settings.php
        cdm-portal-cyprus
            files
            themes
                cyprus
            settings.php
        cdm-portal-floramalesiana
            files
            themes
                flora_malesiana
            settings.php
        cdm-portal-floredafrique
            files
            themes
                flore_afrique_centrale
            settings.php
        cdm-portal-floregabon
            files
            themes
                flore_gabon
            settings.php
        cdm-portal-palmae
            files
            themes
                palmweb_2
            settings.php
        default
        sites.php
```

With this setup, all files related to a specific xyz portal are together in one folder sites/xyz_portal. The xyz portal cannot access files or themes from other portals. Each portal has access to the Drupal default themes, garland_cichorieae, SUB_THEME_TEMPLATE and its own custom theme.

Note that the cichorieae theme is in sites/all/themes because this theme is used as main theme by the themes in most other portals. The rest of the portals have their own folder under sites/all, and in that folder their own theme (sites/xyz_portal/theme/xyz_theme). Each portal also has its own files folder: sites/xyz_portal/files.

Note also that the floredafrique portal (and the SUB_THEME_TEMPLATE) imports the cichorieae stylesheet in its css files and that this has to contain the correct path to the cichorieae theme. (check styles.css and styleOverride.css in the foredafrique theme).

The file /sites/sites.php is used to configure aliases to the sites/all/xyz_portal folders.

Example:

```
$sites['exampleserver.org.palmae'] = 'cdm-portal-palmae';
```

This is an alias for http://exampleserver.org/palmae if that is the location at which the portal needs to be accessible. Multiple aliases can be used if the portals are on multiple servers (like a development, staging and production server).

Note that if you are using subfolders for portals (exampleserver.org/palmae instead of palmae.exampleserver.org), you also need symlinks in the drupal_root to these subfolders.

When migrating portals to another server, you may need to clear cache, and save themes and modules settings in the Drupal admin interface (or use Drush) to enable Drupal to refresh the correct paths. When migrating to another server, it is advised to temporarily disable the 'clean urls' setting and also to switch to the Drupal Garland theme.