Install
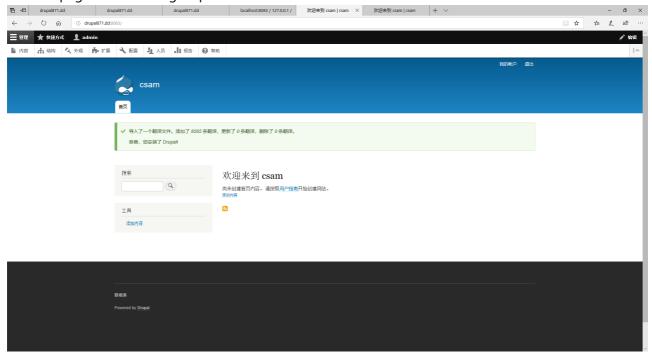
- Acquia Dev Desktop 2
- php >= 7.2.18
- drupal >= 8.7.6

1. Dowload Acquia Dev Desktop. Link: https://www.acquia.com/drupal/acquia-dev-desktop
2. Install the Acquia Dev Desktop in your folder, you can install it at the D:\DevDesktop or anywhere you want
3. Dowload Drupal. Link: https://www.drupal.org/download
4. Unzip the file and put it in the D:\env-website or anywhere you want. Rename the `drupal` to `csam` or `yourwebsitename`

Build the drupal

1. Launch the Acquia Dev Desktop choose `import local drupal site`,choose the `csam` folder and the php version `7.2.18`
2. Click the `Local site` from the Acquia Dev Desktop and fill out the drupal installation settings.
3. The webpage after building steps:

How to use drush

1. Launch the Acquia Dev Desktop, click the cmd logo.
2. Download appearance: `drush dl bootstrap`
3. Download module: `drush en module_name`
4. Install module: `drush en empty_front_page -y`
5. Clear the cashe: `drush cr` or `drush cache-clear drush`

Add the files and pictures

1. Add slideshow by Home --> Administration --> Structure --> Block layout
2. Add Links and mission by Home --> Administration --> Structure --> Block layout,then `Edit custom block` and input the HTML and title of this block.
3. For the publication part, Home --> Administration --> Structure --> Add content type,then add the customized content type `publication` which includes picture/ title/ body. Type-in all the publication content and add the publications Views from the `Add view` that display at the `Block Page (/publications)`
4. Appearance --> your theme -->setting, choose the color and close the display of theme logo. The initial page in the http://www.un-csam.org/

Slideshow

1. Home --> Administration --> Block layout --> content --> Custom block library

2. Input the `Slideshow` in the block description, choose `Full Html` and input the html source code in `code\slideshow.html` to the body.

```html
<title></title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link href="https://cdn.staticfile.org/twitter-bootstrap/4.1.0/css/bootstrap.min.css" rel="stylesheet" />
<script src="https://cdn.staticfile.org/jquery/3.2.1/jquery.min.js"></script>
<script src="https://cdn.staticfile.org/popper.js/1.12.5/umd/popper.min.js"></script>
<script src="https://cdn.staticfile.org/twitter-bootstrap/4.1.0/js/bootstrap.min.js"></script>
<style type="text/css">
    /* Make the image fully responsive */

    .carousel-inner img {
        width: 100%;
        height: 100%;
    }
</style>
<div class="carousel slide" data-ride="carousel" id="demo">
    <!-- 指示符 -->
    <ul class="carousel-indicators">
        <li class="active" data-slide-to="0" data-target="#demo"> </li>
        <li data-slide-to="1" data-target="#demo"> </li>
        <li data-slide-to="2" data-target="#demo"> </li>
    </ul>
    <!-- 轮播图片 -->

    <div class="carousel-inner">
        <div class="carousel-item active"><img src="/sites/csam.dd/files/styles/slideshow/public/slideshow/CSAM%20workshop
            <div class="carousel-caption">
                <h2>CSAM workshop highlights role of technology in improving food security, agricultural productivity in r
            </div>
        </div>

        <div class="carousel-item"><img src="/sites/csam.dd/files/styles/slideshow/public/slideshow/CSAM%E2%80%99s%20Work?
            <div class="carousel-caption">
                <h2>CSAM's Work Highlighted at the 75th ESCAP Session</h2>
            </div>
        </div>
    </div>
    <!-- 左右切换按钮 -->
    <!-- Controls --><a class="left carousel-control" data-slide="prev" href="#carousel-example-generic" role="button"><sp
    <a class="right carousel-control" data-slide="next" href="#carousel-example-generic" role="button"> <span class="sr-or
</div>
```

3. Home --> Administration --> Block layout --> content --> place block, add `Slideshow` content to the front page (the block in the content will be shown in the front page).

Link Layout

1. Home --> Administration --> Block layout --> content --> Custom block library
2. Input the `Layout` in the block description, choose `Full Html` and input the html source code in `code\link-layout.html` to the body.
3. Home --> Administration --> Block layout --> content --> place block, drap the `Layout` under the `Slideshow`

Publications

1. Home --> Administration --> Structure --> Add content type.Then add `publications` as new content type.
2. Choose the Manage fields, add `body` (Text), `publications`(File), `field_image`(Image) as fields of the publications.
3. Add the content. Make sure that `CONTENT TYPE` is `publications`.
4. Home --> Administration --> Structure --> Views, add views for publications.In the `VIEW SETTINGS`,Show Content of type `publications`.
5. If you want to add a webpage for the publication, click the `Create a page` in the PAGE SETTINGS. If you want to add a block on the front page, click the `Create a block` in the BLOCK SETTINGS.

6. In the PAGE SETTINGS and BLOCK SETTINGS, choose Display format `Bootstrap Media Object` of fields.

7. Here is the Views Displays setting:

```
FORMAT
    Format:Bootstrap Media Object | Settings
FIELDS
    Content: Title
    Content: Image
    Content: Body
FILTER CRITERIA
    Content: Published (= Yes)
    Content: Content type (= publications)
```

8. Home --> Administration --> Configuration --> Media -->Image styles --> add Image Styles, Change the EFFECT OPERATIONS to `Scale and crop 70×100`.

9. In the Image field content, choose your Image style that toin the Configuration.

10. Home --> Administration --> Structure --> Block Layout --> Siderbar first --> Place block , choose the views `Publications: Block` from the Category of Lists (Views).

Appearance

1. Add picture in the front page: Home --> Administration --> Structure --> Block layout --> Add block, write the title and remove the `display title`, Visibility --> Pages --> Show for the listed pages

2. Home --> Administration --> Appearance --> Appearance settings --> Bartik.Here is my COLOR SCHEME:

```
Header background top
#667db6
Header background bottom
#348F50
Main background
#ffffff
Lock
Sidebar background
#f1f1ec
```

3. In the LOGO IMAGE, remove the logo supplied by the theme and choose the logo image from local folder.

4. Home --> Administration --> Structure --> Views --> Front --> edit, change the TITLE to `Welcome to Centre for Sustainable Agricultural Mechanization`

Problem Soving and Tools

Change Maximum upload size limit

- Go go the folder where the Acquia Dev Desktop installed and find the correct php version. I installed it in the `D:\DevDesktop\php7_2_x64\` , change the `post_max_size = 8M` and `upload_max_filesize = 2M` in the file `php.ini`
- Go go the folder where the drupal installed and find the htaccess. I found it at the `D:\env-website\csam\.htaccess`, change the old file

```
# PHP 5, Apache 1 and 2.
<IfModule mod_php5.c>
  php_value assert.active               0
  php_flag session.auto_start           off
```

to the

```
# PHP 5, Apache 1 and 2.
php_value post_max_size 8M
php_value upload_max_filesize 8M
<IfModule mod_php5.c>
  php_value assert.active               0
  php_flag session.auto_start           off
```

Use the Git for version control

Download the git, then add the `"git.path": "D:/software/Git/bin/git.exe"` to the `settings.json`

Export Markdown File

Add the `Markdown PDF` extension and right click the markdown file, you can export it to a png/jpg/html/pdf.

Final result

The front page after the content migration: