

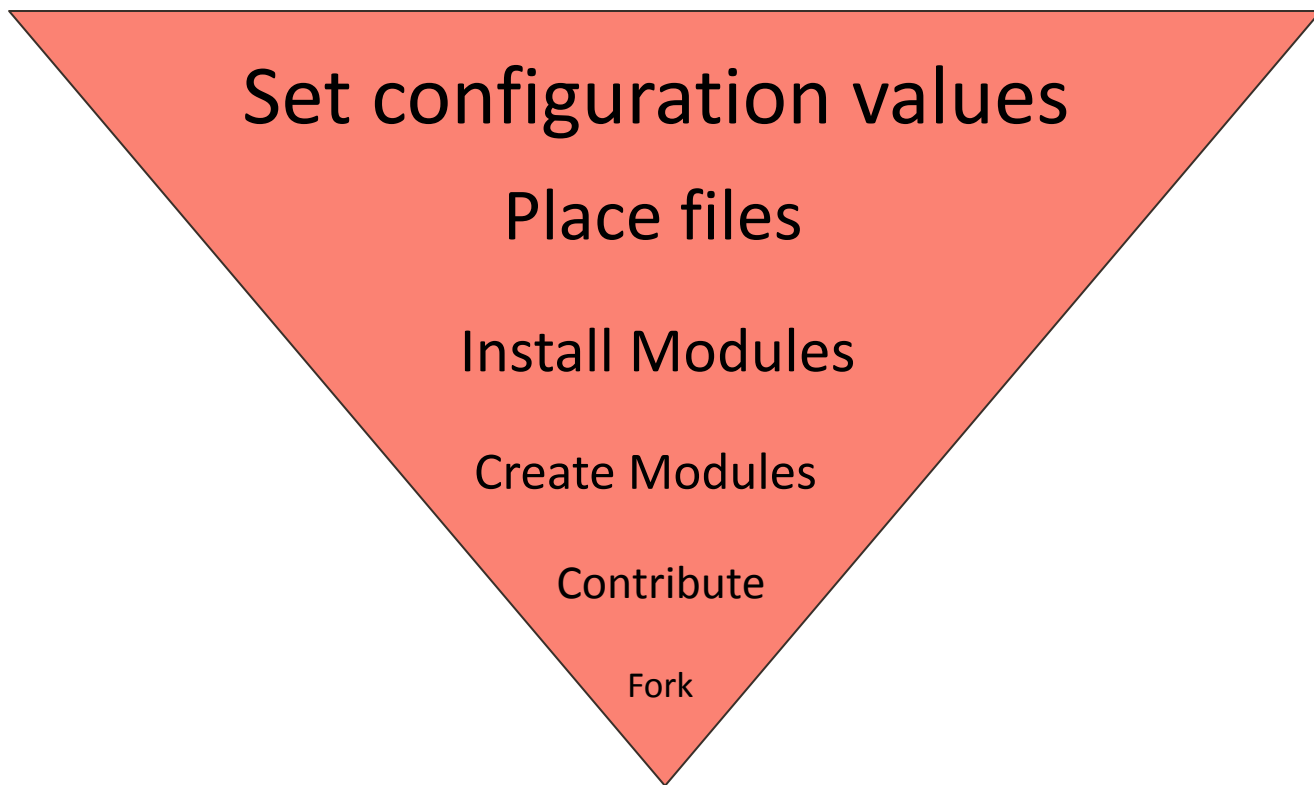
InvenioRDM Customizations

Goals

- Customization hierarchy to keep in mind
- Customize look-and-feel of your instance
 - Logo
 - Templates
 - Style
- Custom vocabularies

<https://inveniordm.docs.cern.ch/customize/>

Customization hierarchy



Initially

My Site

Search



You've successfully installed InvenioRDM! What is ahead?

1

Configure

Configure the datamodel, resource types, permissions and much more to make it suit your needs! For more information on how to do it visit the [configuration section in the docs](#).

2

Customize

Customize the layout and adapt the styling to match your institution's. See how to do so [here](#).

3

Run it!

Run your InvenioRDM instance locally or in containers.



Docs



Code



Initially

important folders for customization purposes

```
.  
├── app_data  
├── assets  
├── static  
└── templates
```

Change title // Set Configuration values

```
# invenio.cfg file
```

```
THEME_FRONTPAGE_TITLE = "RePo: the Repository about Potatoes"
```

```
# environment variables
```

```
INVENIO_THEME_FRONTPAGE_TITLE = "Stage RePo: the Repository about Potatoes"
```

```
# restart
```

```
^C
```

```
invenio-cli run
```

Try it out time

Change Logo

<https://inveniordm.docs.cern.ch/customize/look-and-feel/logo>

Change logo // Place files



```
# invenio.cfg file
```

```
THEME_LOGO = "images/logo-invenio-white.svg"
```

```
# If other file – terminal
```

```
invenio-cli assets build
```

Try it out time

Custom static files workflow

- Place file in “`static/images/`”
- If new file, run “`invenio-cli assets build`”
- If `invenio.cfg` modified, restart server

Change Templates

<https://inveniordm.docs.cern.ch/customize/look-and-feel/templates>

Change templates - Sources

https://github.com/inveniosoftware/invenio-app-rdm/tree/master/invenio_app_rdm

https://github.com/inveniosoftware/invenio-theme/tree/master/invenio_theme

Change templates - Front page

- Find template in invenio-app-rdm :

```
invenio-app-rdm/invenio_app_rdm/theme/templates  
└─ semantic-ui/invenio_app_rdm/frontpage.html
```

- Copy to local instance :

```
templates  
└─ semantic-ui/invenio_app_rdm/frontpage.html
```

Change templates - Front page

- Edit template as you see fit or as in:

<https://inveniordm.docs.cern.ch/customize/look-and-feel/templates>

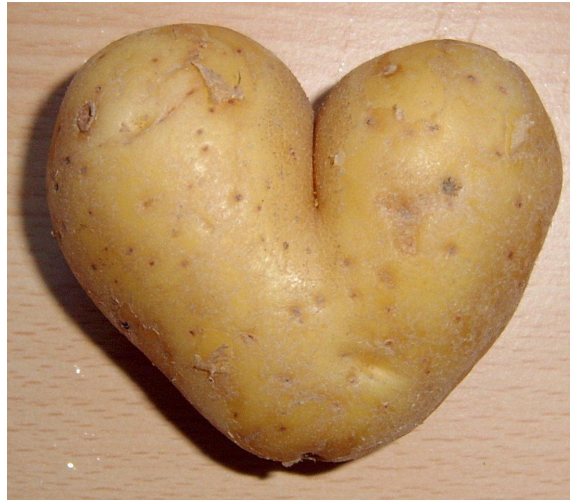


<https://jinja.palletsprojects.com>

Change templates - Front page

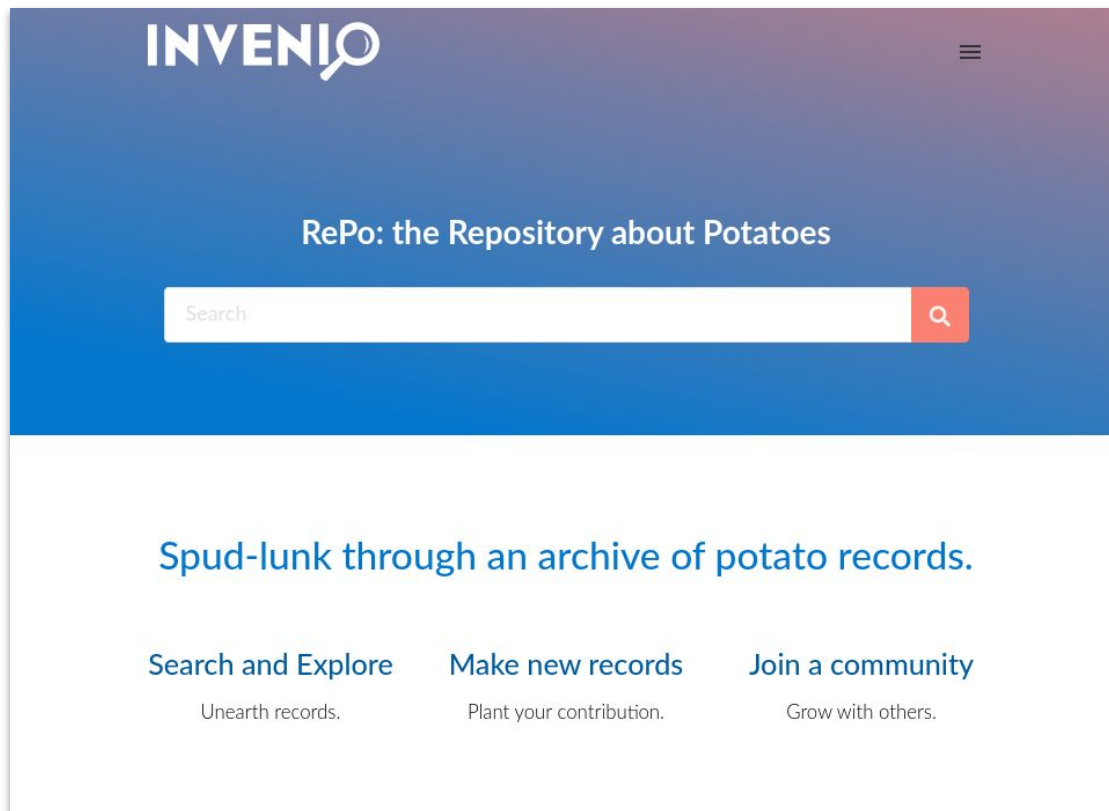
- Combine with knowledge about static assets :

```
{{ url_for('static', filename='images/heart_potato.jpg') }}
```



Try it out time

Change templates - Front page



Custom templates workflow

- Place file in “`templates/`”
- Optionally modify `invenio.cfg`
- Restart server

Change Theme/Styling

<https://inveniordm.docs.cern.ch/customize/look-and-feel/theme>

Change theme // work with assets

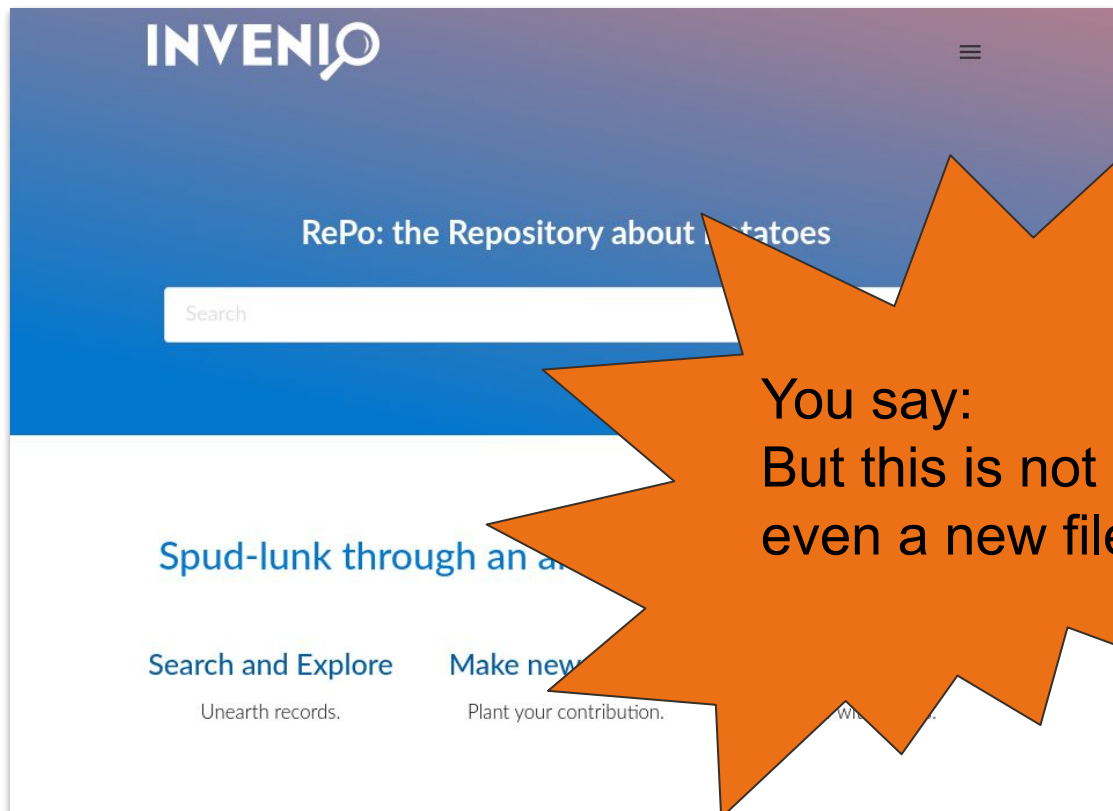
- Edit assets file: `assets/less/site/globals/site.variables`
- With :

```
/* Accents */
@primaryColor: #893f2c; /* your brand color here */

/* Header */
@navbarBackgroundImage: linear-gradient(
    12deg,
    @primaryColor,
    @primaryColor 15%,
    rgba(251, 130, 115, 0.69)
);

/* Footer */
@footerLightColor: @primaryColor;
@footerDarkColor: #783727 /* shaded brand color */;
```

Gives...



Change theme // work with assets

- If new file and asset that needs to be transformed (e.g. .less file):

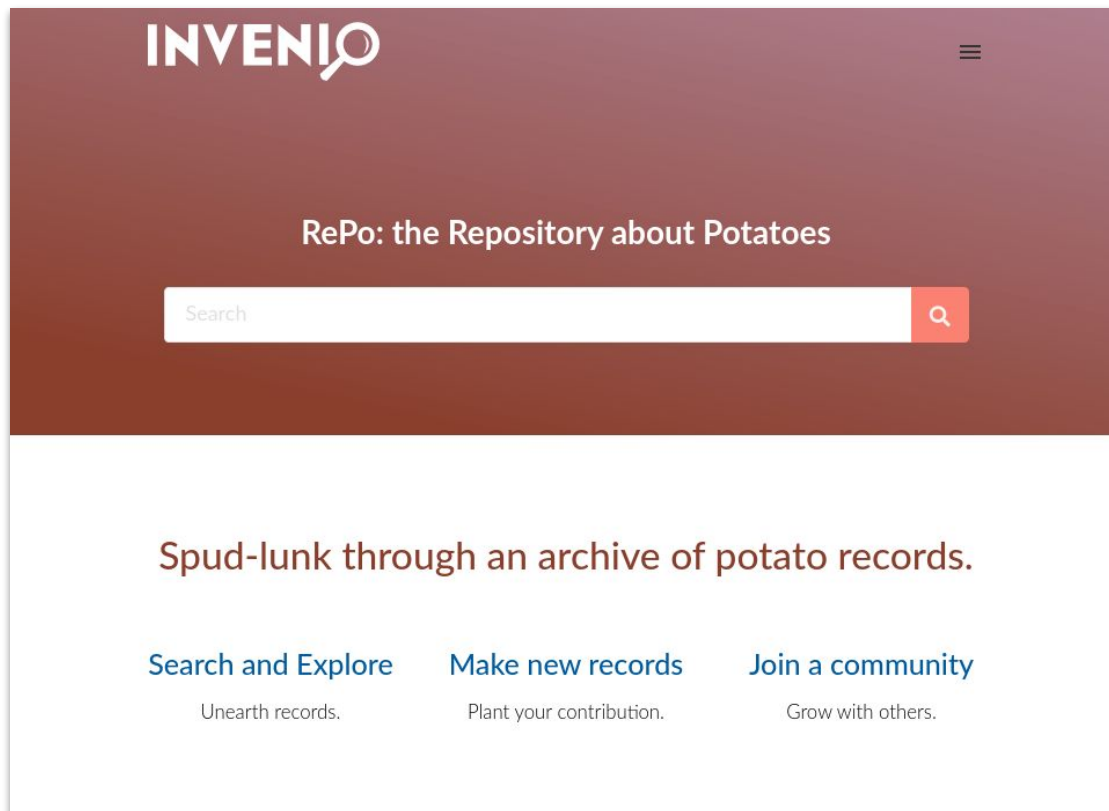
```
invenio-cli assets build
```

- If only modified, run once :

```
invenio-cli assets watch
```


Try it out time

Change theme - Front page



Custom assets workflow

- Find assets file just like we found templates file
- Place file in “**assets/**”
- For new files, run “**invenio-cli assets build**”
- To get automatic rebuilds: “**invenio-cli assets watch**”

Change Vocabulary

<https://inveniordm.docs.cern.ch/customize/vocabularies/>

Typical custom vocabulary organization

important folders for customization purposes

```
app_data/  
├── vocabularies  
│   ├── <vocabulary_identifier_0>.yaml  
│   ├── <vocabulary_identifier_1>.yaml  
│   └── ...  
└── vocabularies.yaml
```

Change resource types

- Clear previous type:

```
DELETE
FROM vocabularies_types
WHERE id='resourcetypes';
```
- Edit: `app_data/vocabularies.yaml`

```
resourcetypes:
  pid-type: rsrct
  data-file: vocabularies/resource_types.yaml
```

Change resource types

- Edit : `app_data/vocabularies/resource_types.yaml`

```
- id: archival
  title:
    en: Archival Items
- icon: archive
  id: archival-collection
  props:
    coar: archival item
    csl: report
    datacite_general: Collection
    datacite_type: Collection
    eurepo: info:eu-repo/semantics/other
    openaire_resourceType: ''
    openaire_type: Collection
    schema.org: https://schema.org/Collection
    subtype: archival-collection
    type: archival
  tags:
    - depositable
    - linkable
  title:
    en: Collection
```

Change resource types

```
pipenv run invenio rdm-records fixtures
```

Resource type *

Archival Items / Collection

Try it out time

Remember customization hierarchy

