

# Workflow for submitting datasets to EDaWaX repository

Hendrik Bunke, 2015-08-03

## Background

CKAN's role model is quite basic. It has three roles for organizations (in our case: a journal):

- **Admin:** An admin can add, edit, and delete all datasets of the journal, as well as manage organization members.
- **Editor:** Can add and edit all datasets, but not manage members.
- **Member:** Can view the organization's private datasets, *but not add new datasets*.

Problematic for our usecase is that the member role is not allowed to add new datasets. That would be demanded by our EDaWaX workflow model, which –for now– could be sketched like this:

- an author adds an dataset to the journals repository, but cannot publish it (dataset is marked 'private'). *This is what CKANs role model does not allow.*
- the journal admin reviews and edits the dataset, as well as assigns a DOI for dataset and ressources.
- the journal admin publishes the dataset.

We could assign the 'Editor' role to authors, to give them rights to add datasets. Unfortunately, this would also enable them to edit and *delete* all the other datasets of the journal. So this would be a model based on trust between the admin and the authors, and we cannot guarantee reliability. Therefore we abandoned that option and rather choosed a software based solution, overwriting some authentication functions of CKAN.

## Technical Background

The role model of CKAN is by default not modifyable. However, plugins can introduce their own authentication methods. We use a CKAN extension originally written for the data portal of the [Natural History Museum](#), called

[ckanext-userdatasets](#), which exactly fits our above sketched usecase workflow model.

The plugin does that by introducing new authentication function for the relevant actions for datasets (create, edit, update), which then are calling customized action functions. Esp. the latter is somehow a drawback and a certain risk for future versions of CKAN and the EDaWaX repository, since we'll might have to adapt all customized functions. We'll hopefully might have, however, already a more sophisticated workflow and role management implemented in CKAN core by then. So this solution should be considered a temporary workaround.

In addition to ckanext-userdatasets we've implemented several customizations of relevant templates (in ckanext-edawax-theme) and changed the title of the member role to 'Authors'.

## The Workflow in Detail

The rights for the different roles are now implemented as follows:

### **Anonymous:**

- can only see datasets and lists of datasets that are published;
- can not register;
- can not upload.

### **Authors:**

- can not register (only journal admins can register!).
- can upload and edit datasets for the journals they are registered for ONLY.
- can see their own 'Private' dataset in the journal's list, but not other private ones.

### **Editors:**

(no changes, see above)

### **Admins:**

(no changes, see above)

## Step-by-step

### 1. The journal admin adds a new author

The starting point of the workflow is the management page of the journal. The admin will basically just add the email address of the author, that should submit his dataset.

==> Going to , click 'Manage' button ==> click 'Members'.

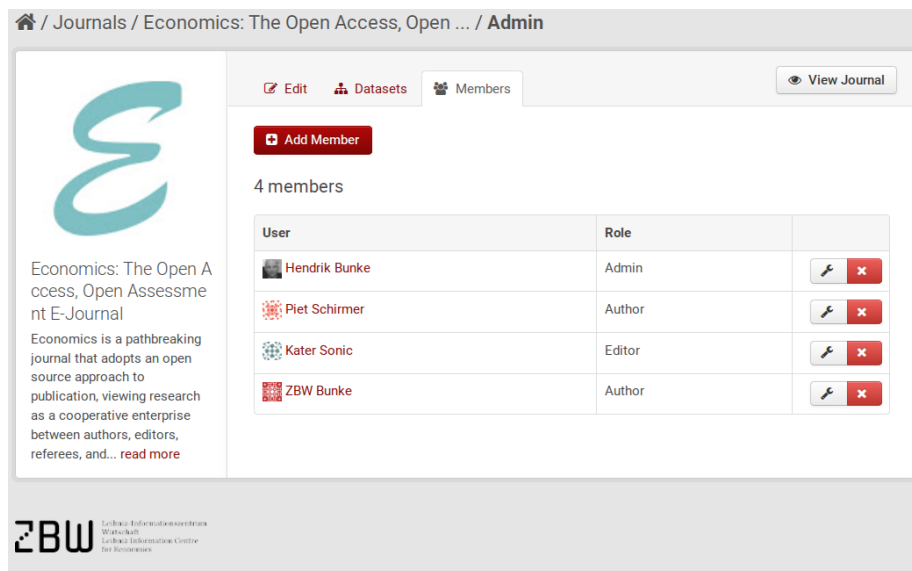


Figure 1: Member list

In that page (/journals/members/journal\_id) the admin can see all members belonging to the journal including their role (Admin, Editor, Author). He will then

==> click 'Add Member'

In 'New User' add the email address of the author. If the new author already has an edawax account, try to find her under 'Existing User'. The role 'Author' is selected by default.


when finished: ==> click 'Add Member'

The new author will be registered with an automatically created user id (based on email address). She will receive an email notification with the user name (which she can change herself later) and an URL to set her password.

Admin will see the new user immediately in the members list.

### 2. User adds dataset to journal

[Home](#) / [Journals](#) / [Economics: The Open Access, Open Assessment E-Journal](#) / **Admin**



Economics: The Open Access, Open Assessment E-Journal

Economics is a pathbreaking journal that adopts an open source approach to publication, viewing research as a cooperative enterprise between authors, editors, referees, and... [read more](#)

**What are roles?**

**Admin:** Can add/edit and delete datasets, as well as manage organization members.

**Editor:** Can add and edit datasets, but not manage organization members.

**Member:** Can view the organization's private datasets, but not add new datasets.

[Edit](#) [Datasets](#) [Members](#) [View Journal](#)

## Add Member

**Existing User :**

If you wish to add an existing user, search for their username below.

OR

**New User :**

If you wish to invite a new user, enter their email address.

**Role:**

[Add Member](#)

Figure 2: Add member

After changing password and user id the user can add datasets, but only for the journal he has been registered for. That journal is preselected in the first dataset screen.

## Related Publication

---

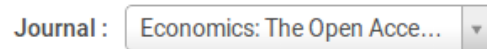


Figure 3: Journal selection

In case the author has been connected to more than one journal it is important to select the correct one here.

After adding the dataset it will be set private. The author can, however, edit it anytime, and also see it in the journal's dataset list.

### 3. Admin will review and edit dataset

The newly added dataset is listed in the journal's list of datasets. It is marked as 'Private' and can only be seen by Admins, Editors and the author. We have adapted this list slightly and also added the name of the dataset owner (e.g. the author).

Admin will then edit the dataset and register a DOI.

### 4. Admin publishes dataset

If everything's done the admin (and ONLY the admin) can publish the dataset.

**At the moment this can only be done by selecting 'Public' in the field 'Visibility' in the first dataset edit screen.** We are working on a better solution.

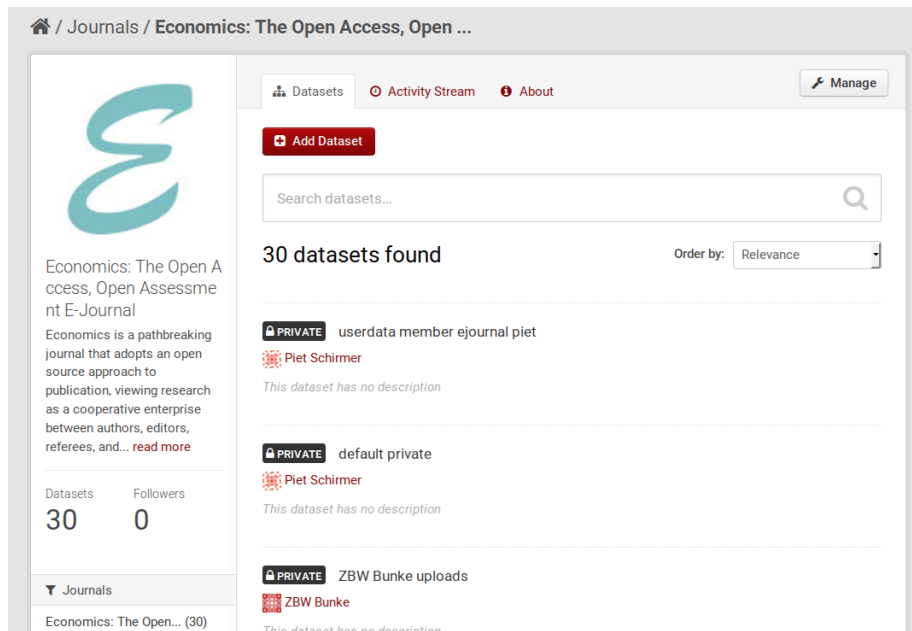


Figure 4: List of journal datasets



Figure 5: Visibility selection