
AniShare Documentation

Release 1.8

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Contents:

1	Introduction	1
2	Contact	2
3	License	3
4	Sitemap	4
5	User types	5
6	Main user interface	6
6.1	Animals	6
6.2	Organs	7
6.3	RSS Feed	8
7	Main animal manager tasks	9
7.1	Add Animals manually	9
7.2	Animals import	11
7.2.1	From PyRAT	11
7.2.2	From <i>tick@lab</i>	13
7.3	Add Organs manually	13
7.4	Organs import	15
7.4.1	From PyRAT	15
7.4.2	From <i>tick@lab</i>	16
7.5	Duplicating entries	16
8	Main administrator tasks	17
8.1	Organs used	17
8.2	Animals	17
8.3	Labs	18
8.4	Locations	19
8.5	Persons	19
8.6	Make a user an animal manager	20
8.7	Anishare change history	20
8.8	UML Model	20

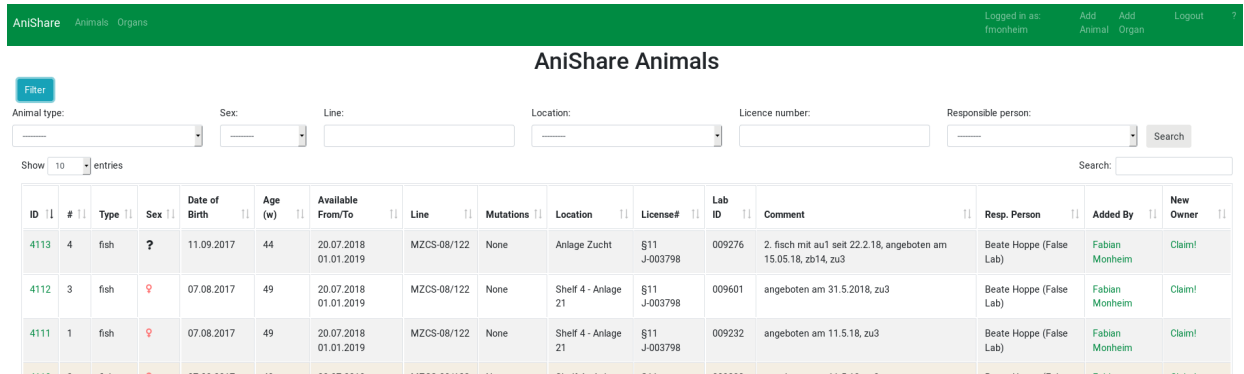
Chapter 1

Introduction

anishare is a webservice for research institutes to share animals with the goal to re-use animals and thus minimize total animal usage.

It has been developed at the [Leibniz institute for aging research](#) in Jena. This django app is meant to be used by researchers who want to share research animals with their colleagues. The basic idea is that animals are bred for experiments; however, sometimes, not all parts of the animal are used or sometimes an experiment gets cancelled for whatever reason. By sharing animals within the institute, less animals in total have to be sacrificed for research.

Anishare is a simple database of animals offered for reuse and a easy way to claim an animal with automatic generation of email messages as well as an RSS feed for updates.



ID	#	Type	Sex	Date of Birth	Age (w)	Available From/To	Line	Mutations	Location	License#	Lab ID	Comment	Resp. Person	Added By	New Owner
4113	4	fish	?	11.09.2017	44	20.07.2018 01.01.2019	MZCS-08/122	None	Anlage Zucht	§11 J-003798	009276	2. fisch mit au1 seit 22.2.18, angeboten am 15.05.18, zb14, zu3	Beate Hoppe (False Lab)	Fabian Monheim	Claim!
4112	3	fish	♀	07.08.2017	49	20.07.2018 01.01.2019	MZCS-08/122	None	Shelf 4 - Anlage 21	§11 J-003798	009601	angeboten am 31.5.2018, zu3	Beate Hoppe (False Lab)	Fabian Monheim	Claim!
4111	1	fish	♀	07.08.2017	49	20.07.2018 01.01.2019	MZCS-08/122	None	Shelf 4 - Anlage 21	§11 J-003798	009232	angeboten am 11.5.18, zu3	Beate Hoppe (False Lab)	Fabian Monheim	Claim!

At the moment, the software/database is geared towards handling of mice and fish, however, it can be adjusted to handle any kind of research animal. AniShare is connected to import animals from *PyRat* or *Tick@lab*. Until now there is only a special limited synchronisation back to *PyRat*. The official changes (e.g. new ownership must be applied in *PyRat* or *Tick@lab* separately by the responsible person, in communication with the animal care takers).

This documentation can also be downloaded as pdf file: [Anishare Documentation](#)

Chapter 2

Contact

Technical and application support: Fabian Monheim (CF Life Science Computing), fabian.monheim@leibniz-fli.de, 03641-65-6872

Content support: Animal Facility and Animal Welfare Officer

Chapter 3

License

The software was developed at the Leibniz Institute on Aging - Fritz Lipmann Institute (FLI; <http://www.leibniz-fl.de/>) under a mixed licensing model. Researchers at academic and non-profit organizations can use anishare using the included license, while for-profit organizations are required to purchase a license. By downloading the package you agree with conditions of the FLI Software License Agreement for Academic Non-commercial Research (LICENSE.pdf).

Sitemap

- Start: <https://anishare.leibniz-fli.de>
- Animal: <https://anishare.leibniz-fli.de/animals>
- Organ: <https://anishare.leibniz-fli.de/organs>
- Add mice directly from PyRAT: <https://anishare.leibniz-fli.de/animals/micefrompyrat>
- Add pup directly from PyRAT: <https://anishare.leibniz-fli.de/animals/pupfrompyrat>
- Add fish directly from tick@lab: <https://anishare.leibniz-fli.de/animals/fishfromtickatlab>
- Animal and organ feed: <https://anishare.leibniz-fli.de/animals/feed>
- Administration: <https://anishare.leibniz-fli.de/admin>
- Change history: <https://anishare.leibniz-fli.de/changehistory>
- Change history feed: <https://anishare.leibniz-fli.de/changehistory/feed>

Chapter 5

User types

- User: every FLI employee who wants to claim an animal.
- Manager: this person is appointed within the research group and coordinates the offering/sharing of animals.
- Person who perform euthanasia: this person will be named in anishare by the manager (relevant only for organ sharing).
- Superuser: this person is administrator of the database and has the full control of the function (IT, animal welfare officers, veterinarians and heads of animal facilities).

Chapter 6

Main user interface

6.1 Animals

The main user-facing site is the list of animals to be shared. A user can browse this list, sort it via the headers or search for a term using the search bar.

AniShare Animals

Filter

Animal type: Sex: Line: Location: Licence number: Responsible person: Search

Show 10 entries Search:

ID	#	Type	Sex	Date of Birth	Age (w)	Available From/To	Line	Mutations	Location	License#	Lab ID	Comment	Resp. Person	Added By	New Owner
4113	4	fish	?	11.09.2017	44	20.07.2018 01.01.2019	MZCS-08/122	None	Anlage Zucht	§11 J-003798	009276	2. fisch mit au1 seit 22.2.18, angeboten am 15.05.18, zb14, zu3	Beate Hoppe (False Lab)	Fabian Monheim	Claim!
4112	3	fish	♀	07.08.2017	49	20.07.2018 01.01.2019	MZCS-08/122	None	Shelf 4 - Anlage 21	§11 J-003798	009601	angeboten am 31.5.2018, zu3	Beate Hoppe (False Lab)	Fabian Monheim	Claim!
4111	1	fish	♀	07.08.2017	49	20.07.2018 01.01.2019	MZCS-08/122	None	Shelf 4 - Anlage 21	§11 J-003798	009232	angeboten am 11.5.18, zu3	Beate Hoppe (False Lab)	Fabian Monheim	Claim!

If a user is interested in an animal, they should click on the button “Claim” which will bring up another page (see below) in which they can review their claim before finally submitting. When they click on “Yes, I want to claim this!”, then they will be entered as *new owner* of this animal and an email will be send to them as well as the responsible/contact person informing them about this transaction. To claim more than one animal it is possible to select the desired animals at the first coloumn. Please use after selection the button **Claim all selected animals**. Again a new page opens to review the selection. After submitting the responsible person(s) of the animals only get one email with their claimed animals. To claim an animal from a fish group (coloumn # > 1) it is nessecary to claim it individually with the claim function of the entry (last coloumn).

Note: If more than one animal is available (coloumn # > 1), the user can adjust the number they want to claim. The remaining animals will still be available for claim. Because of uniqueness it's only possible to offer exactly one mouse per dataset. In contrast fishes can be offer in a group.

AniShare Animals

Filter

Show 10 entries

Search:

	ID	#	Type	Sex	Date of Birth	Age (w)	Available From/To	Line	Mutations	Location	License#	Lab ID	Comment	Resp. Person	New Owner
<input type="checkbox"/>	4099	1	fish	♂	07.08.2017	51	20.07.2018 01.01.2019	MZCS-08/122	None	Shelf 5 - Anlage 22	§11 J-003798	008373	angeboten am 04.06.2018, sw2	Beate Hoppe (False Lab)	Claim!
<input type="checkbox"/>	4100	1	fish	♂	03.07.2017	56	20.07.2018 01.01.2019	MZCS-08/122	None	Shelf 5 - Anlage 22	§11 J-003798	005097	angeboten am 23.05.18	Johannes Krug (False Lab)	Claim!

6.2 Organs

There exists an individual page for animal organ share. It is very similar to the animal page, however only individual organs are for offer. The entry at the column `Organ (used)` indicates all organs which can not be claimed. Also there is no availability period, but a day at which the animal gets sacrificed. The person responsible for sacrifice the animal will be informed via email if anybody claims some of the available organs. The entry will remain available to others (as they might want to claim other organs).

Organ index view:

AniShare Organs

Filter

Show 10 entries

Search: 115

ID	Type	Organ used	Sex	Date of Birth	Date of Death	Sacrifice Method	Euthanasia performed by	Age (w)	Line	Mutations	Location	License#	Lab ID	Comment	Resp. Person
6	mouse		♂	09.05.2016	27.07.2018	other	fabian.monheim@leibniz-fli.de	115	HRASG12Vgeo-kjp21-ko	HRASG12Vgeo-ki p21-ko	Mauscontainer	123	108	None	Christina Valkova (Kaether Lab)
5	mouse		♂	09.05.2016	27.07.2018	CO2	fabian.monheim@leibniz-fli.de	115	HRASG12Vgeo-kjp21-ko	HRASG12Vgeo-ki p21-ko	Mauscontainer	123	107	None	Christina Valkova (Kaether Lab)

Organ claim view:

Dear **Fabian Monheim**, do you really want to claim an **organ** of the following animal for yourself?

ID	Type	Organ (used)	Sex	Date of Birth	Date of Death	Sacrifice Method	Euthanasia performed by	Age (w)	Line	Mutations	Location	License#	ext. Info	Comment	Added By
6	mouse		♂	09.05.2016	27.07.2018	other	fabian.monheim@leibniz-fli.de	115	HRASG12Vgeo-kjp21-ko	HRASG12Vgeo-ki p21-ko	Mauscontainer	123	CIR-000504108		Fabian Monheim

By clicking on the button, an email will be sent from
 fabian.monheim@leibniz-fli.de to
 fabian.monheim@leibniz-fli.de
 informing that you are interested in the following organs/parts
 [enter organs you want] from the entry above.
 They will get in touch with you.
 Yes, I want to claim this!

6.3 RSS Feed

An RSS feed containing the latest ten animals and organs is automatically generated and can be found at */animals/feed*. Users can subscribe (Most email clients allow the subscription to RSS feeds) to this feed to stay up-to-date with the animal catalogue. By clicking on a link in the feed, they are directed to the claim page of the individual animal/organ.

Anishare animal feed

Updates on animals to share.

[10 unknown fish, some line id:3 \[2018-05-06\]](#)

id:248962, lab_id:LAB648, available:2018-06-01-2018-06-30, location:Fish Facility, mutations:

[2 female mouse, ko/ko id:4 \[2018-03-01\]](#)

id:695968, lab_id:LAB3584, available:2018-05-01-2018-05-16, location:Animal House 2, mutations:

[2 male mouse, ko/ko id:1 \[2018-01-01\]](#)

id:274628, lab_id:LAB648, available:2018-05-29-2018-06-30, location:Animal House 1, mutations:


[1 female mouse, ki/ki id:2 \[2018-03-01\]](#)

id:159758, lab_id:LAB3584, available:2018-05-29-2018-06-29, location:Animal House 2, mutations:

Main animal manager tasks

An *animal manager* can add animals and organs to the database on two ways. First, it is possible to add entries manually. Secondly, it is possible to import an Excel sheet. At the FLI Jena there are two databases to manage animals. Now the databases are not connected. To transfer more than one or two datasets to anishare it's recommend to use the export function of *PyRAT* or *tick@lab* and the import function of anishare. To use the export/import process please read the topic **Animals import** or **Organs import**.

Welcome to AniShare

ANIMALS		
Animals	+ Add	 Change
Organs	+ Add	 Change
Persons		 Change

7.1 Add Animals manually

Click on Animals -> Add to add an animal.

Add animal

Amount:	<input type="text" value="1"/>	
	How many animals? (eg. fish in tank)	
Animal type:	<input type="text" value="mouse"/>	
Organ type:	<input type="text" value="spleen"/>	
Day of birth:	<input type="text" value="01.03.18"/>	Today
Available from:	<input type="text" value="30.05.18"/>	Today
Available to:	<input type="text" value="30.06.18"/>	Today
Sex:	<input type="radio"/> male <input checked="" type="radio"/> female <input type="radio"/> unknown	
	Select "unknown" if multiple animals.	
External id:	<input type="text" value="946283"/>	
External lab id:	<input type="text" value="LAB3418"/>	
Line:	<input type="text" value="ko-/ko-"/>	
Location:	<input type="text" value="Animal House 1"/>	
	Where is the animal housed?	
Responsible person:	<input type="text" value="Roger Roger (Lab B Lab)"/>	
	Person who is responsible in the lab for dealing with the animals	
Licence number:	<input type="text" value="#182938"/>	

All fields in bold **need** to be filled in, the others are optional.

After adding several animals, the main (index) view should look like this:

AniShare admin interface
WELCOME, ADMIN VIEW SITE / DOCUMENTATION / CHANGE PASSWORD / LOG OUT

Home › Animals › Animals

Select animal to change

Action: 0 of 4 selected

AMOUNT	ENTRY DATE	DAY OF BIRTH	AGE (W)	AVAILABLE FROM	AVAILABLE TO	LINE	SEX	LOCATION	LICENCE NUMBER	RESPONSIBLE PERSON	ADDED BY
2	30.05.2018	01.03.2018	10	01.05.2018	16.05.2018	ko/ko	female	Animal House 2	#154253	Mike Smith (Lab A Lab)	admin
10	30.05.2018	06.05.2018	3	01.06.2018	30.06.2018	some line	unknown	Fish Facility	#154634	Fishy McFishface (Fish Lab)	admin
1	29.05.2018	01.03.2018	12	29.05.2018	29.06.2018	ki/ki	female	Animal House 2	#900238	Roger Roger (Lab B Lab)	admin
2	29.05.2018	01.01.2018	21	29.05.2018	30.06.2018	ko/ko	male	Animal House 1	#900238	Mike Smith (Lab A Lab)	admin

4 animals

ADD ANIMAL +

FILTER

By amount
All
1
2
10

By sex
All
male
female
unknown

By responsible for lab
All
Lab A Lab
Lab B Lab
Fish Lab

By location
All
Animal House 1
Outdoors
Animal House 2
Fish Facility

7.2 Animals import

There are several ways to import informations of animals. Using PyRAT you can create a work request or you can use AniShare to import the details wich is also possible using tick@lab. Both ways will be explained below.

7.2.1 From PyRAT

In most cases it is the easiest way to create a work request inside PyRAT. Select the work request class **Add to AniShare** and add the animals you like to import. Every hour AniShare searches after those requests with status **open**. If the import succeded the status of the work request change to **Added to AniShare**. Mice are offered two weeks and pups one week. The import will fail if a mouse has no license or a mouse has been already offered. If a mouse can not be imported the creator of the work request gets a email about it and a comment about will be visible inside the work request. The status of the work request will change to **Deferred**, if no animal could be imported.

The creator of the work request gets a email about it two days before the offer time ends. The status of the request time will be set to **close** after the offer time.

Request detail - ID 15270

Class

Add to AniShare

Print

Due date: 02/08/2019

Open date: 02/08/2019

Close date: None

Responsible staff: admin admin

Initiator: Fabian Monheim

Priority: Lowest

Status: Closed

Required location permission: Neubau > Neubau > Raum 634

Animals: 3 adults

Select these animals in the animal list

ID	Cage ID	Lab ID	Line / Strain
ENG-013731	SENG-000807	63	2/Wt1-flox;Lbx1-ki-cre
ENG-013733	SENG-000808	15	2/129/SV
ENG-013735	SENG-000808	17	2/129/SV

Request description:

History

Date	Comment
05/08/2019 22:15	AniShare: Request status changed to closed
02/08/2019 13:32	AniShare: Request status changed to Added to Anishare
02/08/2019 11:24	Request initiated by Fabian Monheim.

Clear

Add comment

admin admin 1/-/- A: ENG-000634

Another way to import animals from PyRAT is to use the website [Add Mice](#) or for pups [Add Pup](#). The user has the same rights as in PyRAT. It means the user has access to all animals as in PyRAT and the user must have a PyRAT account. If the user in PyRAT has the role `Animal facility staff` or `Administrator` the user will only see the data after searching (filter) an owner or a responsible person of the animals.

Mice from PyRat

Filter

Show 100 entries

	Animal-ID	Lab ID	Sex	Age	Date of Birth	Strain	Genetic Background	Location	Licence
<input type="checkbox"/>	FAC-005315	3473 (EP)	♀	85	02.05.2017	C57BL6/J (NB)	None	Neubau	§11
<input type="checkbox"/>	FAC-005610	3553	♂	76	05.07.2017	C57BL6/J (NB)	None	Neubau	§11
<input type="checkbox"/>	FAC-005611	3554	♂	76	05.07.2017	C57BL6/J (NB)	None	Neubau	§11

To import the animals please select / activate the animals (rows) and push the button `Import mouse/mice` to AniShare. You find the button on the left side below the table. Now it's possible to change the default offering period (mouse = 14 days, pup = 7 days) and to add a second responsible person. The second responsible person gets a mail too if the animals was claimed. After checking the informations the import runs after pushing the button `Yes, I want to offer these mice!`. After import you switch automatically to the administration area of AniShare und you can see the imported animals if the import successful. If an import failed you see an error message and the

AniShare admin gets a mail about it. One last hint: It's only possible to import an animal once only.

7.2.2 From *tick@lab*

In most cases it is the easiest way to use the website [Add Fish](#). The user has the same rights as in PyRAT. It means the user has access to all animals as in *tick@lab* and the user must have a *tick@lab* account.

<input type="checkbox"/>	006978//INC	11	?	202	02.02.2015	Tg(-26wt1b:EGFP)	Anlage 1	§11 J-003798	Bea
<input type="checkbox"/>	007026//INC	11	?	152	21.01.2016	Tg(-35wt1a:EGFP)	Anlage 1	§11 J-003798	Bea
<input type="checkbox"/>	007069//OTC	20	?	74	20.07.2017	Tg(Casper)	Anlage 4	§11 J-003798	Bea
<input type="checkbox"/>	007120//INC	8	?	149	10.02.2016	Tg(gad1b:EGFP)	Anlage 8	§11 J-003798	Bea
<input type="checkbox"/>	007135//OTC	9	?	151	26.01.2016	Tg(hs:IDeRedi-NLS-GFP)	Anlage 8	§11 J-003798	Bea
<input type="checkbox"/>	007145//OTC	9	?	176	07.08.2015	Tg(kdr:EGFP)	Anlage 8	§11 J-003798	Bea
<input type="checkbox"/>	007215//OTC	18	?	131	15.06.2016	Tg(vasa:EGFP)	Anlage 8	§11 J-003798	Bea

To import the animals please select / activate the animals (rows) and push the button Import Fishs to AniShare. You find the button on the left side below the table. Now it's possible to change the default offering period (14 days) and to add a second responsible person. The second responsible person gets a mail too if the animals was claimed. After checking the informations the import runs after pushing the button Yes, I want to offer these fishes!. After import you switch automatically to the administration area of AniShare und you can see the imported animals if the import successful. If an import failed you see an error message and the AniShare admin gets a mail about it. One last hint: It's only possible to import an animal once only.

7.3 Add Organs manually

Click on Organs -> Add to add an organ.

Add organ

Amount:

How many organs?

Animal type:

Sex:

☐ male ☐ female ☐ unknown


Select "unknown" if multiple animals.

Organ type:

Day of birth:

Today | 

Day of death:

Today | 

Method of killing:

Killing person:

Email address of the person who is responsible for killing the animal

Database id:

ID of animal in eg. PYRAT

Lab id:

ID of lab in eg. PYRAT

Line:

genetic trait of animal

Location:

Where is the animal housed?

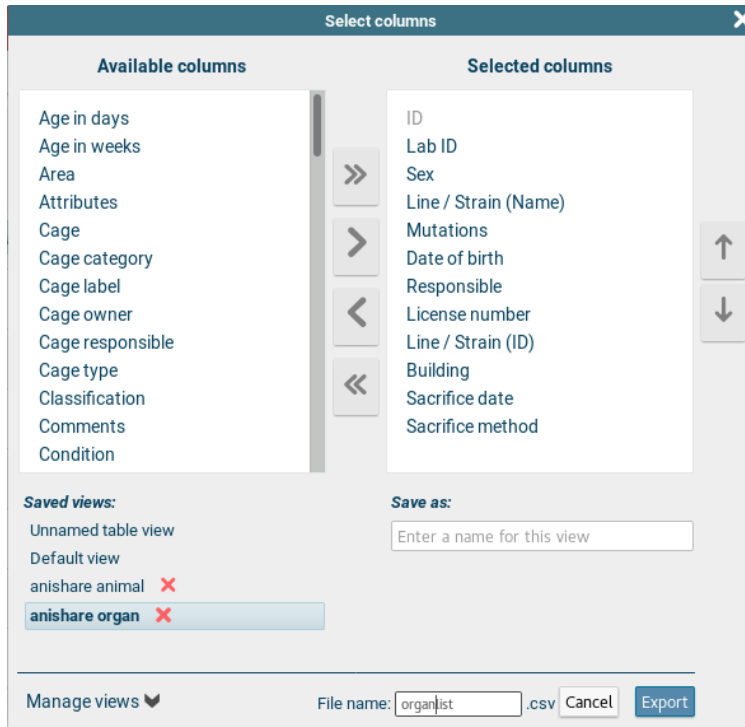
All fields in bold **need** to be filled in, the others are optional.

7.4 Organs import

7.4.1 From PyRAT

First login to PyRAT and **switch to the english version** of PyRAT if it is no preset. Then select the animals which should be import to anishare. Click on QS (Quick Select) and activate the option `Export this list to Excel`. Push the button `Apply`.

Now it's important to select all mandatory fields: **ID, Lab ID, Sex, Line / Strine (Name), Mutations, Date of birth, Responsible, License number, Building, Sacrifice date, Sacrifice method**



It's possible to save the selected columns as a `Manage View` for reuse (fold out `Manage View` on the left side of the `File name`)

After downloading the file it's necessary to edit the file because the columns **Animal type, Euthanasia performed by, Comment** are missing. Furthermore the format of the column **Sacrifice date** needs to be adapted. To simplify this process there are macros for LibreOffice and MS Office. The macros automatically add the missing columns and add the value `mouse` at column **Animal type**. Please refer to the [macro site](#) to downloading the macros and further informations.

After running the macro it's possible to fill out the column **Sacrifice method** with one of the following entries: **CO2, cervicale dislocation, decapitation, blood withdrawal, finale heart punction, overdose anaesthetics, other** and the column **Organ used** with the following entries: **bladder, bone marrow, brain, genitals, heart, intestine, kidney, liver, lungs, other, spleen, stomach**. It's also possible to add these entries after uploading the file.

Note: It's possible to add more than one entry at the field **Organ used**. Please use a comma as separator like `brain, bladder`.

Please save the Excel file as `.xlsx` file. Now go to the anishare admin interface to `Home > Animals > Animals` and click the button `IMPORT` (above the filter). Select the file and choose the file format. Upload the file. After

submitting all datasets will show to the user if all requirements match.

7.4.2 From *tick@lab*

Because we expect only a small quantity of importing organs from *tick@lab* it's only possible to add entries manually.

7.5 Duplicating entries

For input of multiple similar entries, it is possible to duplicate an animal or organ entry. For this, select one or more entries in the list (see figure below) and select “*copy animal*” from the dropdown menu and click “*Go*”.

Select animal to change

Search

Action: ☒ 1 of 100 selected

AMOUNT	BIRTH	AGE (W)	AVAILABLE FROM	AVAILABLE TO	LINE	SEX	LOCATION	LICENCE NUMBER
<input checked="" type="checkbox"/> 1	06.06.2018	01.01.2018	22	01.06.2018	01.07.2018	ko/ko	male	BIZ #007

Another option is to edit an existing animal and click on “*Save as new*”. This will save the currently edited animal as a new instance:

Change animal HISTORY VIEW ON SITE

Delete Save as new Save and continue editing SAVE

Amount: How many animals? (eg. fish in tank)

Animal type:

Day of birth: Today

Available from: Today

Available to: Today

Sex: ☒ male ☐ female ☐ unknown Select "unknown" if multiple animals.

Database id: ID of animal in eg. PYRAT

Lab id: ID of lab in eg. PYRAT

Line: genetic trait of animal

Chapter 8

Main administrator tasks

The administrator can edit more objects in the admin interface, namely not just animals and organs but also labs, locations and persons:

Welcome to AniShare

ANIMALS		
Animals	+ Add	✎ Change
Labs	+ Add	✎ Change
Locations	+ Add	✎ Change
Organs	+ Add	✎ Change
Persons	+ Add	✎ Change

8.1 Organs used

These organs are standard values for the field **Organ used**.

8.2 Animals

The main category to administer are animals to share. Here, several filters (such as “sex”, “location”, etc.) are available to search for any set of animals.

Select animal to change

[ADD ANIMAL](#)

Action: 0 of 5 selected

<input type="checkbox"/>	AMOUNT	ENTRY DATE	DAY OF BIRTH	AGE (W)	AVAILABLE FROM	AVAILABLE TO	LINE	SEX	LOCATION	LICENCE NUMBER	RESPONSIBLE PERSON	ADC
<input type="checkbox"/>	1	31.05.2018	01.01.2018	21	01.06.2018	01.07.2018	ko/ko	male	Outside	#007	Roger Roger (Lab B Lab)	test
<input type="checkbox"/>	2	30.05.2018	01.03.2018	10	01.05.2018	16.05.2018	ko/ko	female	Animal House 2	#154253	Mike Smith (Lab A Lab)	test
<input type="checkbox"/>	10	30.05.2018	06.05.2018	3	01.06.2018	30.06.2018	some line	unknown	Fish Facility	#154634	Fishy McFishface (Fish Lab)	test
<input type="checkbox"/>	1	29.05.2018	01.03.2018	13	29.05.2018	29.06.2018	ki/ki	female	Animal House 2	#900238	Roger Roger (Lab B Lab)	test
<input type="checkbox"/>	2	29.05.2018	01.01.2018	21	29.05.2018	30.06.2018	ko/ko	male	Animal House 1	#900238	Mike Smith (Lab A Lab)	test

5 animals

FILTER

By amount

All

1

2

10

By sex

All

male

female

unknown

By responsible for lab

All

Lab A Lab

Lab B Lab

Fish Lab

By location

All

Animal House 1

Outdoors

Animal House 2

Fish Facility

Outside

Note: in order to remove a claim (thus making the animal available again), either click on an animal and remove the email address from the field “new owner”, or select one or multiple animals and select the “clear claim” *Action* and click “Go”.

Note: Once created, an animal cannot be deleted, except by the administrator.

8.3 Labs

Labs are research labs/research groups and need to have at least one responsible/contact person each

Select lab to change

Action: 0 of 3 selected

<input type="checkbox"/>	NAME	RESPONSIBLE PERSON
<input type="checkbox"/>	Fish	Fishy McFishface
<input type="checkbox"/>	Lab B	Roger Roger
<input type="checkbox"/>	Lab A	Mike Smith

3 labs

Note: Only *administrators* are allowed to see and change Labs

8.4 Locations

Locations are where animals are stored. Usually something like room numbers or “animal house” or “fish facility”.

Select location to change

Search

Action: ----- Go 0 of 5 selected

☐ NAME

☐ Outside

☐ Fish Facility

☐ Animal House 2

☐ Outdoors

☐ Animal House 1

5 locations

Note: Only *administrators* are allowed to see and change Locations

8.5 Persons

Persons responsible for the animals. Could be a vet or similar. Every animal needs to have a responsible person associated to them. This person then gets an email when the animal is being claimed.

Select person to change

Search

Action: ----- Go 0 of 3 selected

<input type="checkbox"/>	NAME	EMAIL	RESPONSIBLE FOR LAB
<input type="checkbox"/>	Fishy McFishface	fishymcfishface@nowhere.com	Fish Lab
<input type="checkbox"/>	Mike Smith	mike.smith@nowhere.com	Lab A Lab
<input type="checkbox"/>	Roger Roger	roger.roger@nowhere.com	Lab B Lab

3 persons

Note: Only *administrators* are allowed to see and change Persons

8.6 Make a user an animal manager

The *administrator* is also responsible for user/rights management. In order to be able to add/edit animals, a user has to be in the group *animal manager* and have *staff status* in the django admin interface. For this, an *administrator* has to go to the [user management](#) in the admin interface by clicking “Home” -> “Authentication and Authorization” -> “Users”. Here, they can make a *user* an *animal manager*, by setting these values (*staff* and group *animal manager*):

Permissions

☒ **Active**
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

☒ **Staff status**
Designates whether the user can log into this admin site.

☐ **Superuser status**
Designates that this user has all permissions without explicitly assigning them.

Groups:

Available groups ⓘ

Chosen groups ⓘ
animal manager
Remove all

Choose all ⓘ

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

8.7 Anishare change history

New functions and bugfix at the system should be documented. So users can be informed about changes on the system. All changes are visible to authenticated users. Please refer to the site [AniShare Change History](#) to see all changes. Furthermore it's possible to subscribe to the [Anishare Version Feed](#) to stay informed.

8.8 UML Model

Enter `python manage.py graph_models` to get an updated uml model.

