

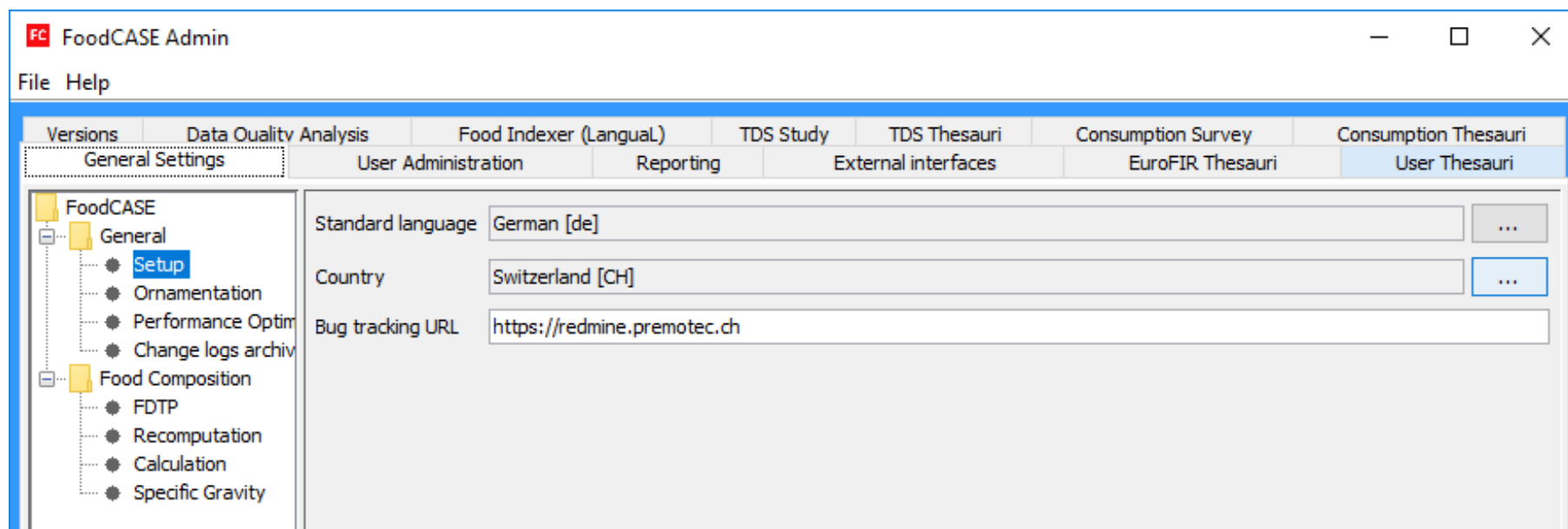
FoodCASE training

Practical part 3: Work with admin client



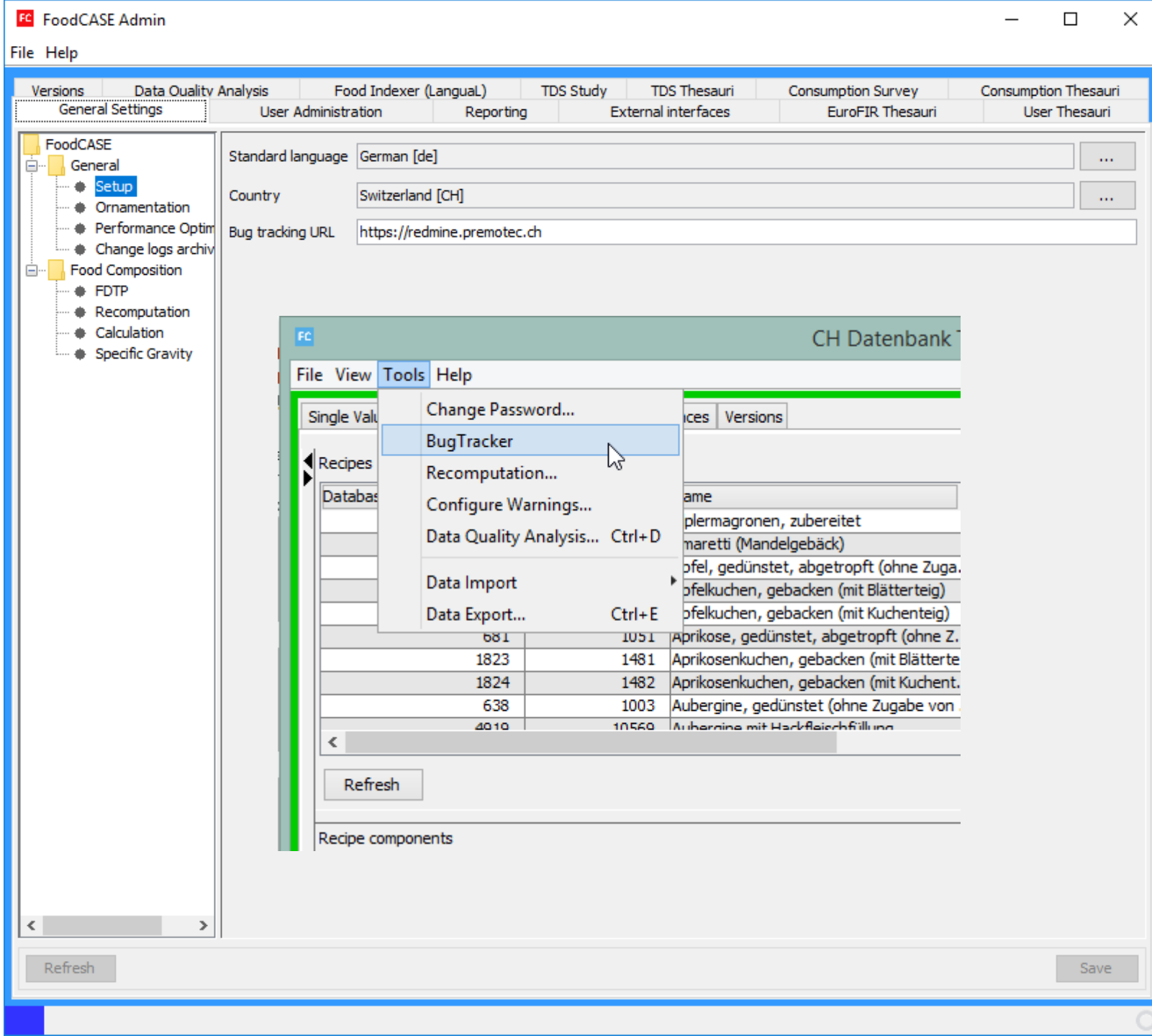
Overview

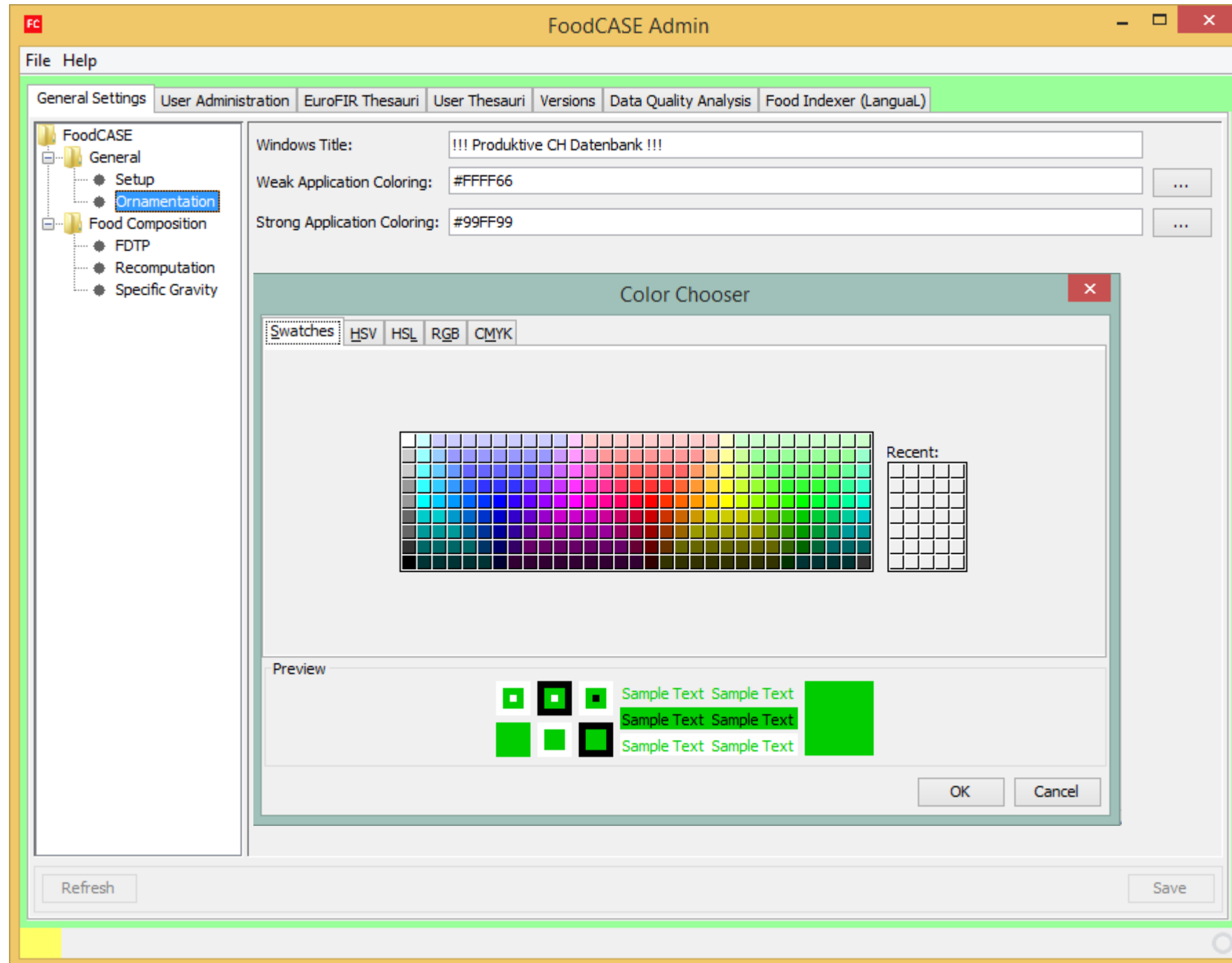




General settings







Produktiv

File View Tools Help

Single Values Aggregated Values Recipes References Versions

Food Search

Food criteria

Column <all columns>

Function contains

Term

☐ Case sensitive

Component criteria

Component

< v

☒ And ☐ Or

< v

Component Search

Column <all columns>

Function contains

Term

☐ Case sensitive

Single food detail, 1

File

Save Save & close Close

Food

ID 1397

Name 4 Back- & Speisefarben (Dr. Oetk

English name 4 baking & food colours (Dr. Oetk

Scientific name

Own Categories Lanqual FoodEx2

Food Info

Manufactured prepackaged food

Brand name

Commercial name

Generic name

Classification

EuroFIR classification

Retention factor classification

Eurocode2 classification

Playground v2.0.0 R

File View Tools Help

Single Values Aggregated

Single foods

Database... Single F

9

1366

10

12

13

14

11

15

1422

16

Refresh

Single components Apfel

Component Name

alcohol

all-trans retinol

all-trans retinol equivalent

beta-carotene equivalent

calcium

carbohydrate

carbohydrate

carbohydrate, total

chloride

cholesterol

fat, total

fatty acids, total monoun

fatty acids, total polyun

fatty acids, total saturat

Refresh

Aggregated food detail, food id: 382[head [1] (p

File

Save Save & close Close

Food

Food id 382

Name Apfel, roh

English name Apple, fresh

Scientific name

Version head [1] (public)

Food Info Food Label

Own Categories Lanqual FoodEx2 Markers Oth

Contributing single values of Apfel, roh

Database...	Component Name	Code	Comp...
5772	alcohol	ALC	Proximat
36552	all-trans retinol	RETOLAT	Retinoid:
36551	all-trans retinol equivalents	RETOLATE	Vitamin A
36554	alpha-carotene	CARTA	Caroten
36555	beta-carotene	CARTB	Caroten
36553	beta-carotene equivalents (...)	CARTBEQ	Vitamin A
36556	beta-cryptoxanthin	CRYPXB	Caroten
32739	calcium	CA	Macroele
39193	carbohydrate	CHO	Carbohy
31967	carbohydrate, total	CHOT	Carbohy
4990	chloride	CLD	Macroele
1814	cholesterol	CHORL	Sterols
16356	fat, total	FAT	Fats

FoodCASE Admin

File Help

General Settings User Administration EuroFIR Thesauri User Thesauri Versions Data Quality Analysis Food Indexer (Languag)

FoodCASE

- General
 - Setup
 - Ornamentation
- Food Composition
 - FDTP**
 - Recomputation
 - Specific Gravity

Sender: Federal Office of Public Health FOPH

Organisation name: Federal Office of Public Health FOPH

Postal address: Federal Office of Public Health, Department of Food Safety, Switzerland

Country: CH

Telephone:

Email: lebensmittelsicherheit@bag.admin.ch

WWW-1: <http://www.bag.admin.ch>

WWW-2: <http://foodcase.ethz.ch>

Content name: Swiss Food Composition Database

Short content name: Swiss FCDB

Responsible body: Federal Office of Public Health, Department of Food Safety

Legal restrictions: See <http://naehrwertdaten.ch/request?xml=MessageData&xml=MetaData&xsl=Disclaimer&lan=en>

Summary of Content: The dataset contains the information of the authoritative Swiss Food Composition Database documented according

Original food classification: <http://foodcase.ethz.ch>

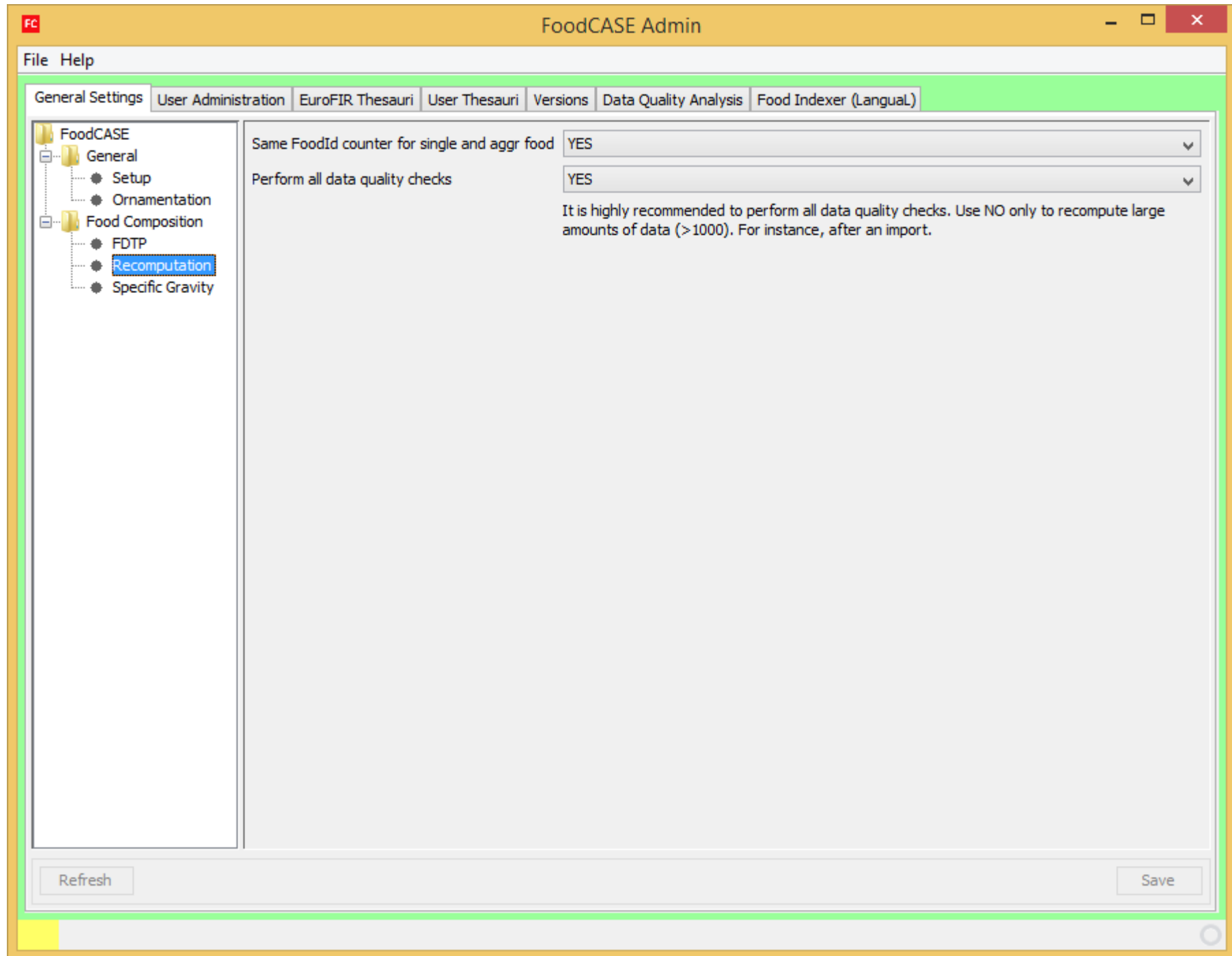
Quality assessment scheme:

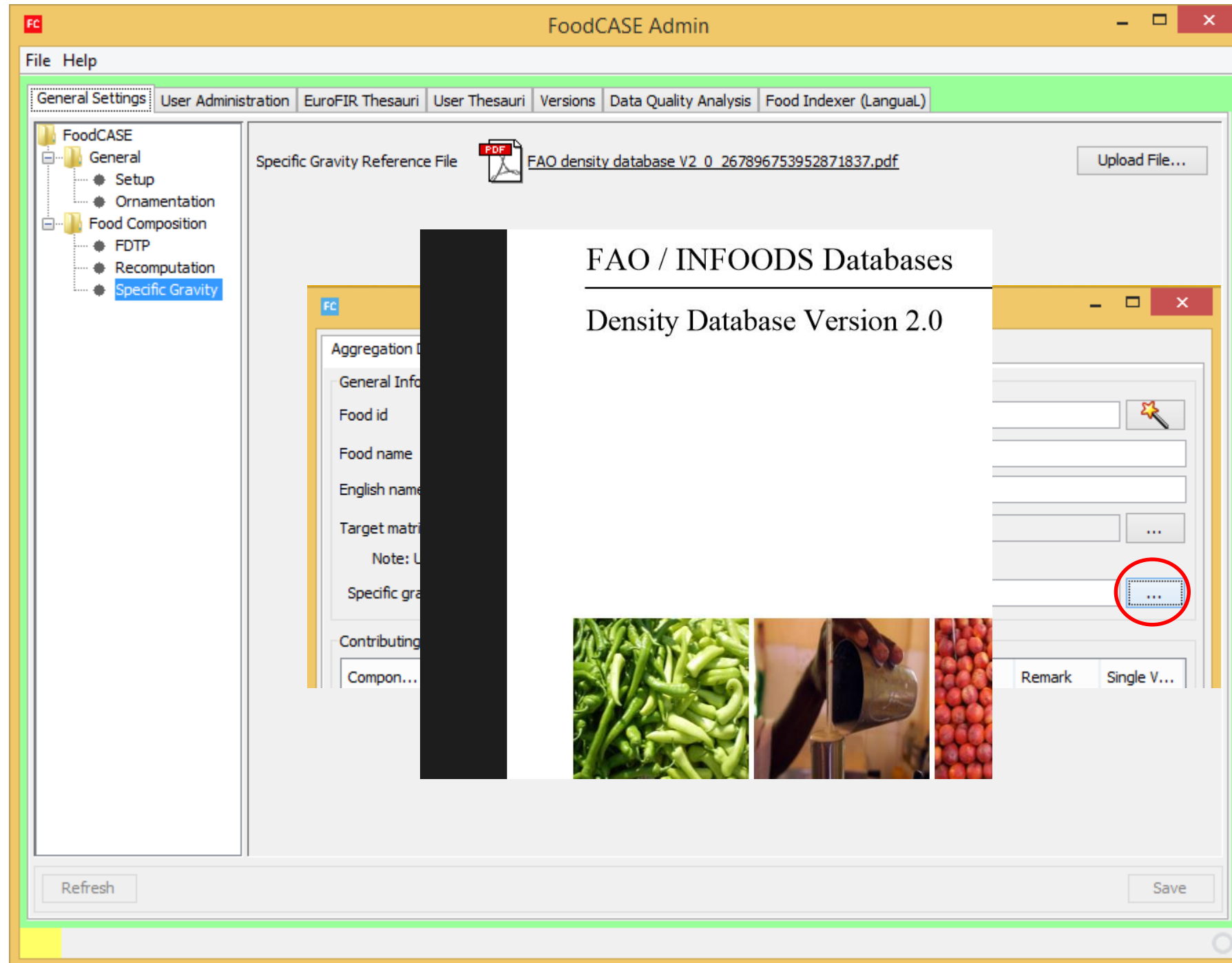
Bibliographic reference:

Remarks: The XML file was created with the FoodCASE software developed by the ETH Zurich at the Department of Computer

Reason for creation:

Refresh Save





Let's start the Admin client



Exercises

- 3a
- 3b

User management





FoodCASE Admin

File Help

General Settings User Administration EuroFIR Thesauri User Thesauri Versions Data Quality Analysis

Id	Username	Name	User roles	Creation	Creation by	Mutation	Mutation by
1	premotec	Premotec GmbH	FoodComp Admin	2009-07-06 00:00...	kpresser	2013-10-21 15:16:5...	kpresser
6	admin	Administrator	FoodComp Admin	2009-07-23 16:41...	kpresser	2009-07-23 16:41:2...	kpresser
13	webpage					7 14:49:2...	kabt
14	ust					8 10:18:1...	kpresser
18	esther					7 14:23:2...	kpresser
19	technical					5 16:22:1...	rmock
21	steffi					6 11:02:3...	esther
22	praktikant					7 15:29:4...	esther
23	praktikantin					7 11:44:2...	esther
25	ivonnebauer					1 16:11:5...	esther
26	muriel					3 11:50:0...	esther

User settings

User details

Username

Full name

Password

Roles

Role	Assigned	Description
FoodComp Admin	<input type="checkbox"/>	Rights to administer food composition data.
FoodComp Worker	<input type="checkbox"/>	Rights to compile food composition data.
FoodComp Reader	<input type="checkbox"/>	Rights to read food composition data.

OK Cancel

Create a new user

New... Edit... Remove



FoodCASE Admin

File Help

General Settings User Administration User details

Id	Username	Name
1	premotec	Pre
6	admin	Ad
13	webpage	we
14	ust	Urs
18	esther	Est
19	technical	Te
21	steffi	Ste
22	praktikant	Pra
23	praktikantin	Pra
25	ivonnebauer	Ivo
26	muriel	Mu

User details

Username: admin

Full name: Administrator

Password: *****

Roles

Food composition

Role	Assigned	Description
FoodComp Admin	<input type="checkbox"/>	Rights to administer food composition data.
FoodComp Worker	<input type="checkbox"/>	Rights to compile food composition data.
FoodComp Reader	<input type="checkbox"/>	Rights to read food composition data.

TDS

Role	Assigned	Description
TDS Admin	<input type="checkbox"/>	Rights to administer TDS data.
TDS Worker	<input type="checkbox"/>	Rights to work with TDS data.
TDS Reader	<input type="checkbox"/>	Rights to read TDS data.

Food consumption

Role	Assigned	Description
FoodCons Admin	<input type="checkbox"/>	Rights to administer food consumption data.
FoodCons Worker	<input type="checkbox"/>	Rights to work with food consumption data.
FoodCons Reader	<input type="checkbox"/>	Rights to read food consumption data.

Special roles

Role	Assigned	Description
Admin	<input checked="" type="checkbox"/>	Rights to perform all operations in FoodCASE.
Food Matcher	<input type="checkbox"/>	Right to execute the food matching tool.

OK Cancel Edit... Remove

(change etc.)

User profiles

- **Admin** -> can start compiler and admin client and can work in both clients
- **Worker** -> can start and work compiler client
- **Reader** -> can start and read compiler client (everything read-only)

Let's create some users



Exercises

- 3c
- 3d
- 3e

User thesauri



User thesauri Components



Significant digits and rounding rules

- 1.23 has 3 significant digits
- 0.0035 has 2 significant digits
- 10 has 1 significant digits
- 10.0 has 3 significant digits
- 560 has 2 significant digits
- 560. has 3 significant digits
- 560.0 has 4 significant digits
- 0.07000 has 4 significant digits
- 1.23×10^0
- 3.5×10^{-3}
- 1×10^1
- 1.00×10^1
- 5.6×10^2
- 5.60×10^2
- 5.600×10^2
- 7.000×10^{-2}

Good source:
<https://www.khanacademy.org>

Significant digits and rounding rules

- Significant digits are independent of scale
- 1234.58 kJ
 - Significant digits 4 -> 1234 kJ
 - But scale is

scale 1	scale 10	scale 100	scale ...
1234.58 -> 1234	1234.58 -> 1230	1234.58 -> 1200	...

User thesauri

Food categories



FoodCASE Admin

File Help

General Settings User Administration EuroFIR Thesauri User Thesauri Versions Data Quality Analysis Food Indexer (LanguagL)

Standard User Vocabularies

Categories Markers Unit Conversions Recipe Preparation Methods Units Method Indicator Defaults FAF

Categories

Categories

- Alkoholfreie Getränke
- Alkoholhaltige Getränke
- Brote, Flocken und Frühstückscerealien
- Eier
- Fette und Öle
- Fisch
- Fleisch- und Wurstwaren
- Fleisch und Innereien
- Früchte
- Gerichte
- Getreideprodukte, Hülsenfrüchte und Kartoffeln
- Milch und Milchprodukte
- Nüsse, Samen und Ölfrüchte
- Salzige Snacks
- Speziallebensmittel
- Süßigkeiten
- Verschiedenes

Details of the category

Name

Description

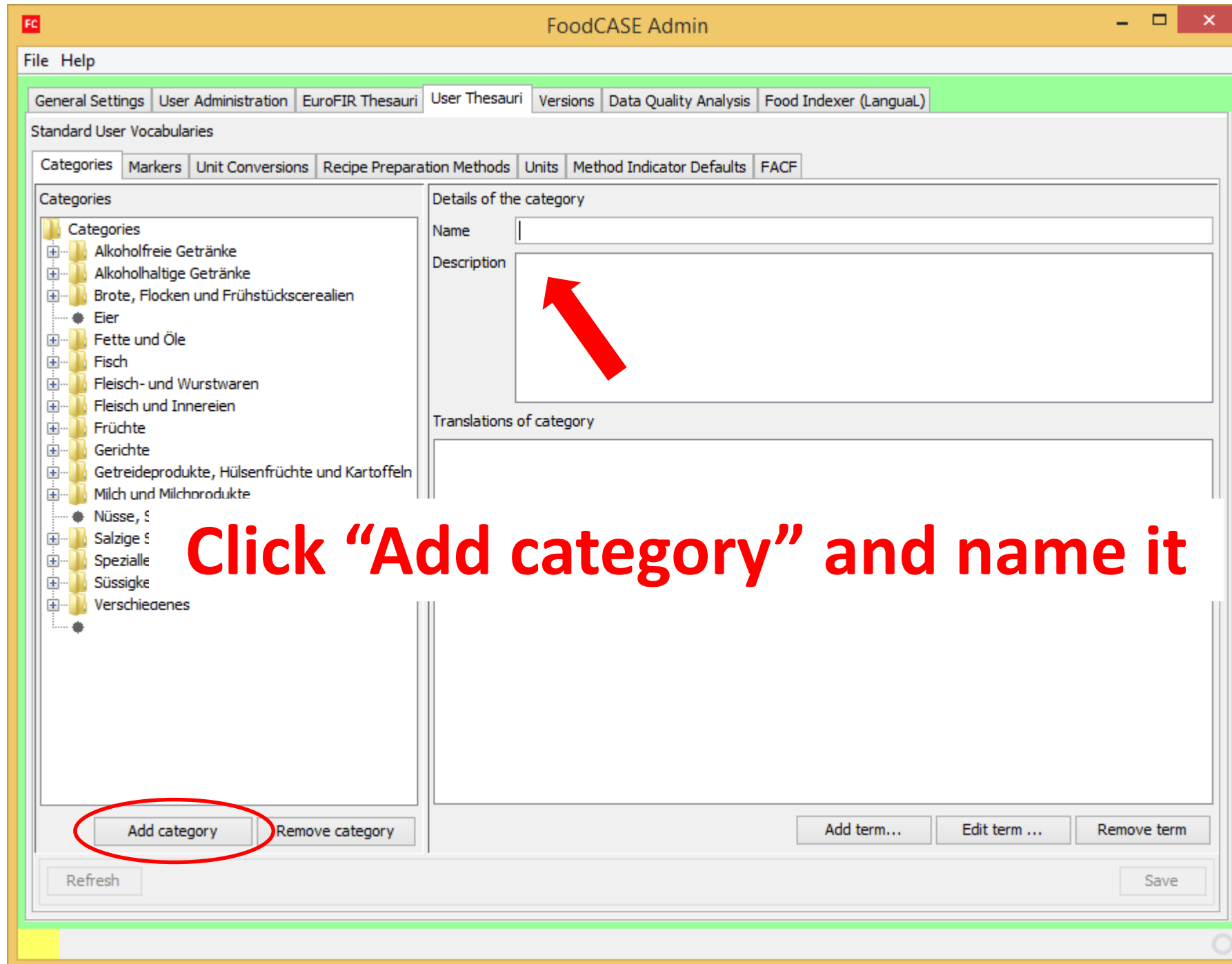
Translations of category

Add category Remove category

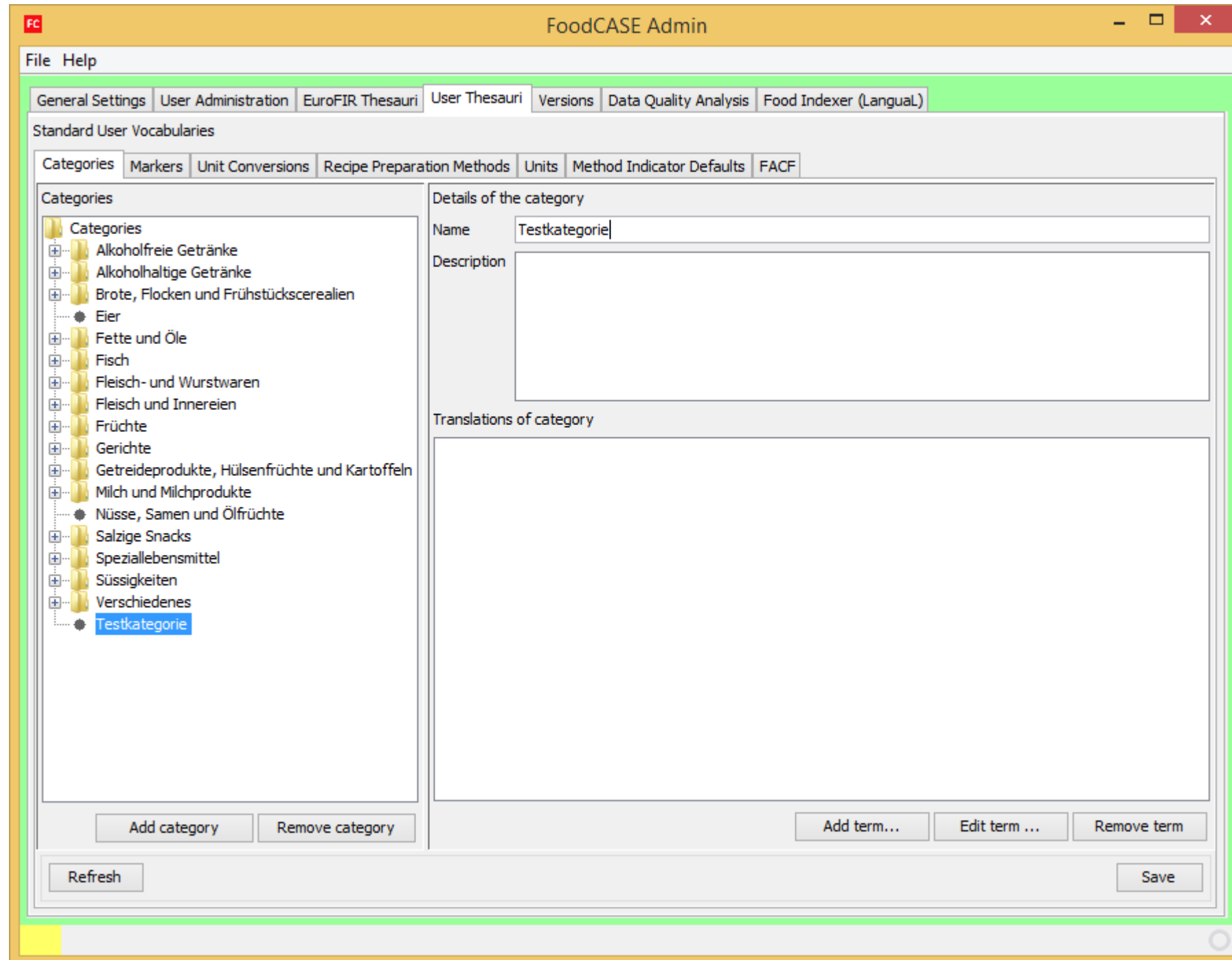
Add term... Edit term ... Remove term

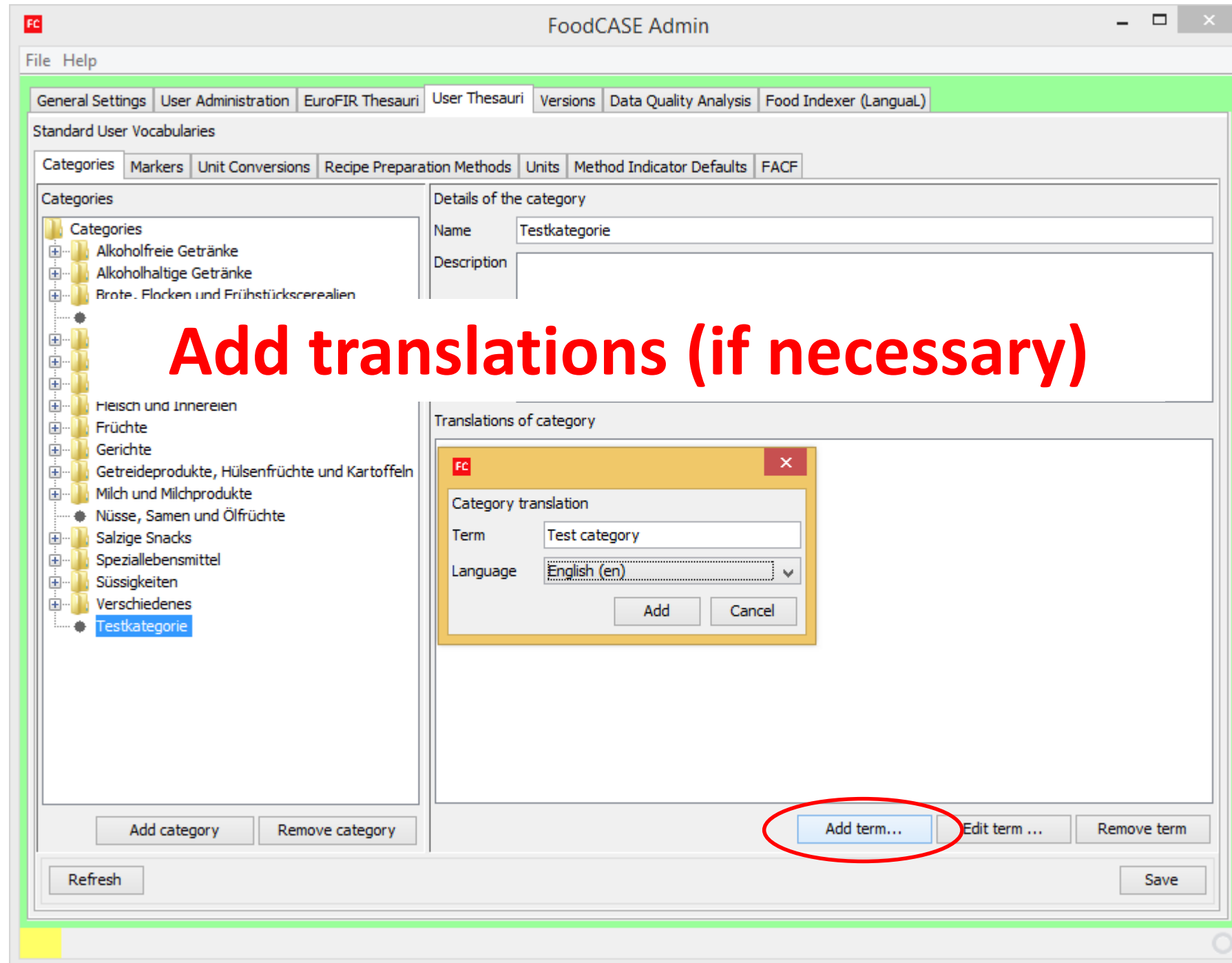
Refresh Save

Select mother category



Click “Add category” and name it





Add translations (if necessary)

FoodCASE Admin

File Help

General Settings User Administration EuroFIR Thesauri User Thesauri Versions Data Quality Analysis Food Indexer (LanguagL)

Standard User Vocabularies

Categories Markers Unit Conversions Recipe Preparation Methods Units Method Indicator Defaults FAF

Categories

- Categories
 - Alkoholfreie Getränke
 - Alkoholhaltige Getränke
 - Brote, Flocken und Frühstückscerealien
 - Eier
 - Fette und Öle
 - Fisch
 - Fleisch- und Wurstwaren
 - Fleisch und Innereien
 - Früchte
 - Gerichte
 - Getreideprodukte, Hülsenfrüchte und Kartoffeln
 - Milch und Milchprodukte
 - Nüsse, Samen und Ölfrüchte
 - Salzige Snacks
 - Speziallebensmittel
 - Süssigkeiten
 - Testkategorie**
 - Verschiedenes

Details of the category

Name Testkategorie

Description

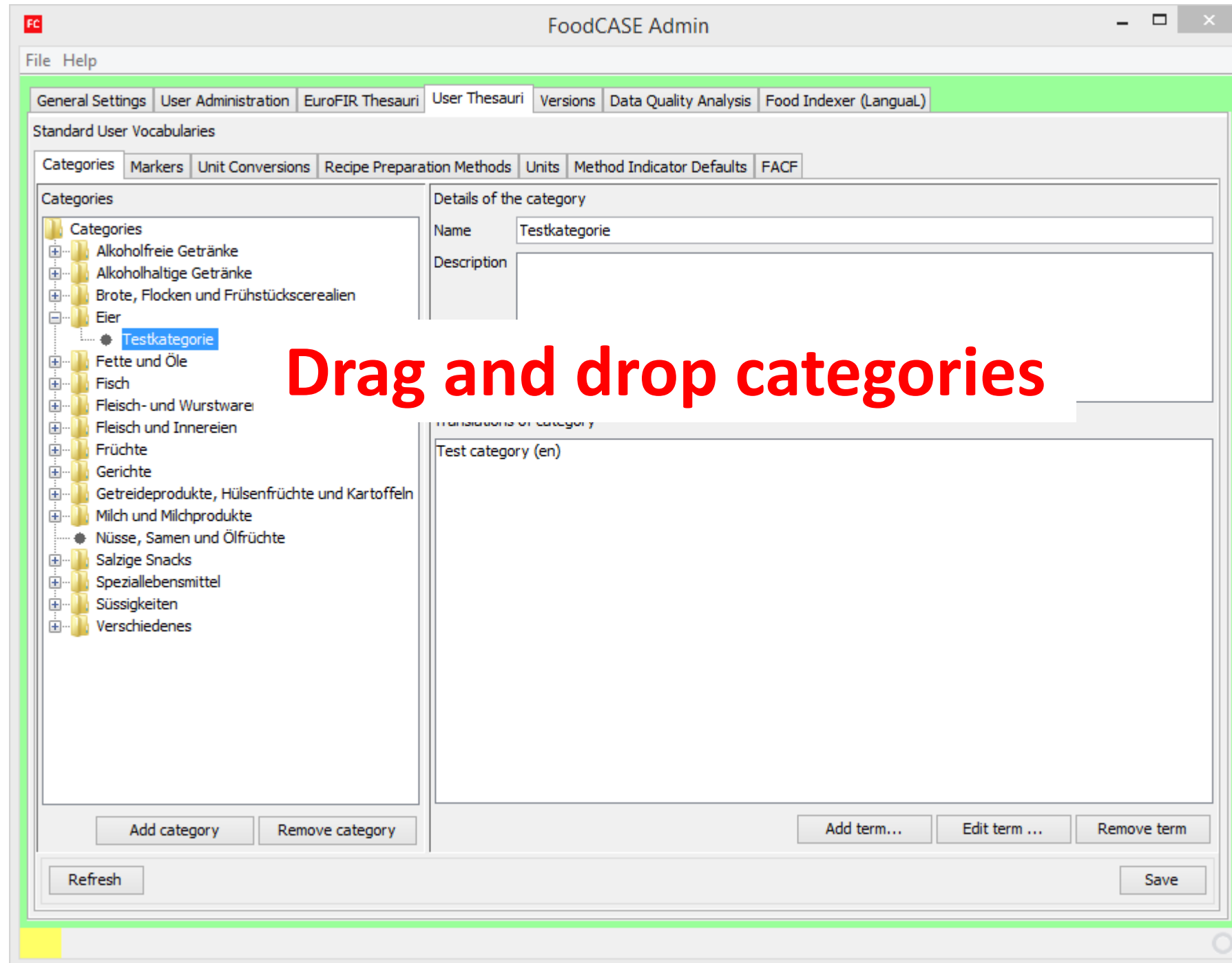
Translations of category

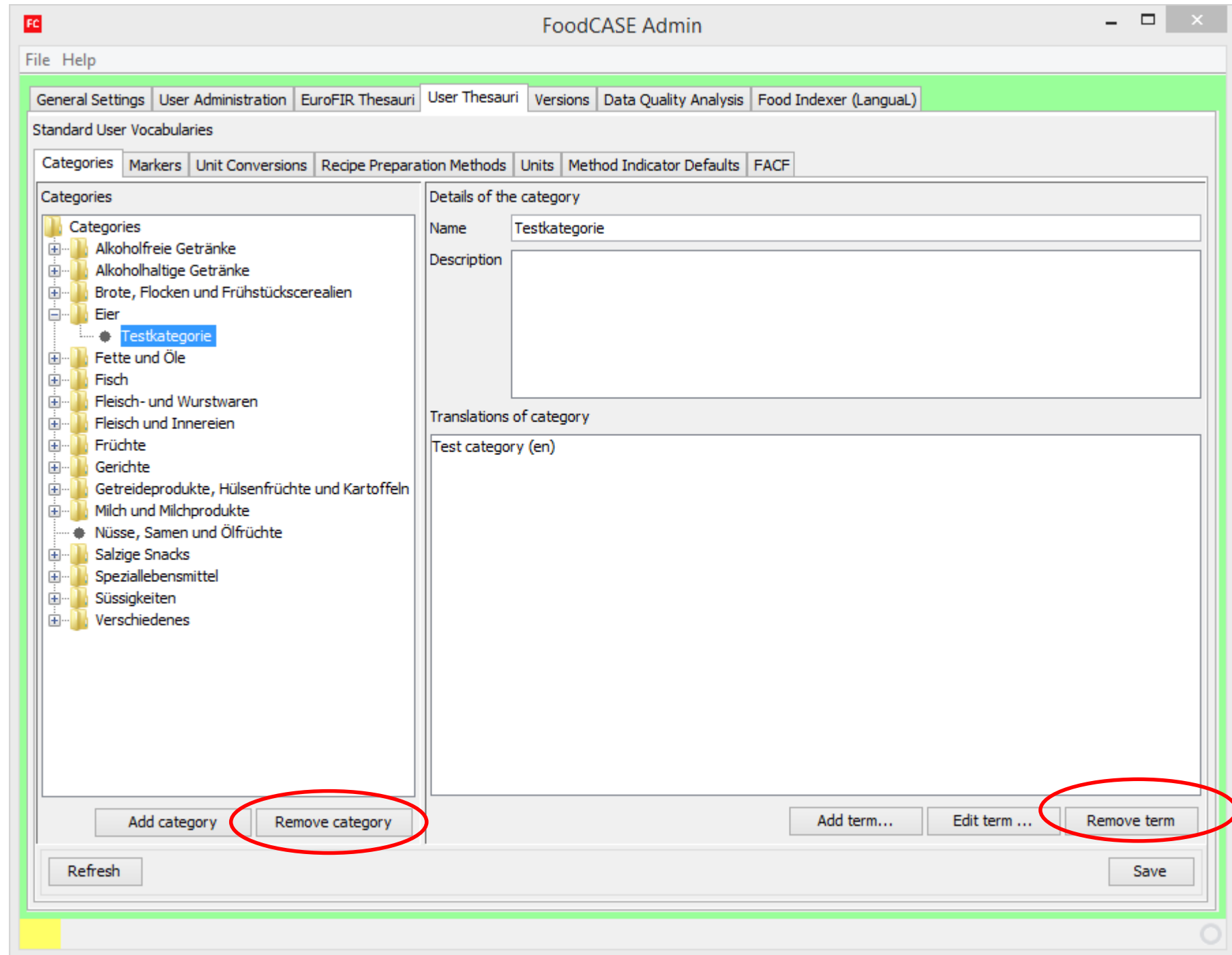
Test category (en)

Add category Remove category Add term... Edit term ... Remove term

Refresh Save

Save and check it



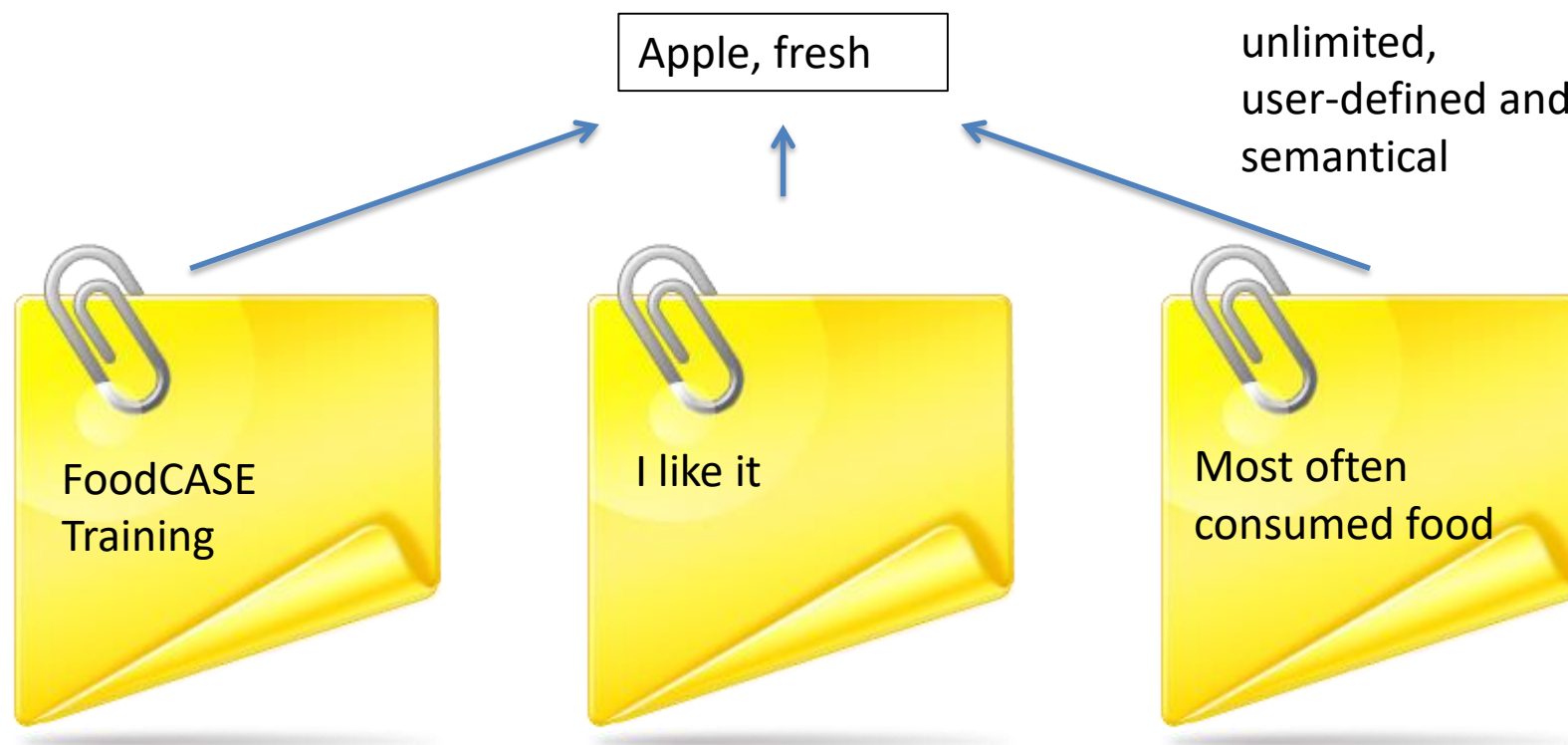


User thesauri Markers



Markers

Concept 1:
Add information to
data which is
unlimited,
user-defined and
semantical



FoodCASE Admin

File Help

General Settings User Administration EuroFIR Thesauri User Thesauri Versions Data Quality Analysis Food Indexer (LanguagL)

Standard User Vocabularies

Categories Markers Unit Conversions Recipe Preparation Methods Units Method Indicator Defaults FAF

Single Food

- Import 2013
 - Unilever 2013
 - Schaer 2013
 - Oswald 2013
 - Nestle 2013
 - Migros 2013
 - Hug 2013
 - Coop 2013
- Import 2014
 - fortified food
- Single Value
 - Delete whole entry!
 - Check aggregation (eg include or exclude from aggregation)
 - Include in aggregation
 - Exclude from Aggregation
 - I translation fehlt

Aggregated Food

- Generisches LM für Erhebung (nicht public!)
- Erhebung
 - Coop
 - Hug
 - Migros
 - Nestle
 - Oswald
 - Unilever
 - Schaer
- Aggregated Value
 - added component

Add Remove

Name

Description

Refresh

Add Remove

Name

Description

Save

User thesauri Units



FoodCASE Admin

File Help

Versions Data Quality Analysis Food Indexer (LanguagL) TDS Study TDS Thesauri Consumption Survey Consumption Thesauri
 General Settings User Administration Reporting External interfaces EuroFIR Thesauri User Thesauri

Standard EuroFIR Vocabularies

Matrix Units	Reference Types	Value Types	Recipe Preparation Methods	Method Types	Method Indicators								
Components	Component Groups EuroFIR	Component Groups	Acquisition Types	Units									
Databa...	Code	Descrip...	Is Edit...	Scope ...	Additio...	Synon...	Is For Value	Is For ...	Creation	Creati...	Mutat...	Mutat...	New
24	egg(s)	chicken ...	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mar 17...	kpresser	Mar 17...	kpresser	Remove
243	Cup	Cup of rice	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sep 5, ...	anonym...	Sep 5, ...	anony...	
22	dl	decilitre	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mar 17...	kpresser	Jun 17...	kpresser	
285	BX	degrees ...	<input type="checkbox"/>	Use only...	The °Bx ...		<input type="checkbox"/>	<input type="checkbox"/>	Nov 10...	jakub	Nov 10...	jakub	
3	g	gram	<input type="checkbox"/>		ISO 100...		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sep 3, ...	kpresser	Oct 21...	kpresser	
4	kcal	kilocalorie	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sep 3, ...	kpresser	Oct 21...	kpresser	
5	kg	kilogram	<input type="checkbox"/>		ISO 100...		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sep 3, ...	kpresser	Oct 21...	kpresser	
6	kJ	kilojoule	<input type="checkbox"/>		ISO 100...		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sep 3, ...	kpresser	Oct 21...	kpresser	
7	l	litre	<input type="checkbox"/>		Volume ...		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sep 3, ...	kpresser	Oct 21...	kpresser	
16	...												

Id
 Code
 Descriptor
 Scope Note
 Additional Info
 Synonyms
 Can be used for measured values ☐
 Can be used for recipes ☐

Unit Conversion

Database ID	Target Unit	Conversion Factor	Creation	Creation By	Mutation	Mutation By
1	l (litre)	0.1	2010-03-17 13:56...	kpresser	2018-06-17 16:49...	kpresser
10	ml (millilitre)	100	2013-04-23 13:26...	janka.porubska	2013-04-23 13:59...	janka.porubska

Refresh Save

Create/edit individual units

FC

FoodCASE Admin

File

Help

Versions

Data Quality Analysis

Food Indexer (Langual)

TDS Study

TDS Thesauri

Consumption Survey

Consumption Thesauri

General Settings

User Administration

Reporting

External interfaces

EuroFIR Thesauri

User Thesauri

Standard EuroFIR Vocabularies

Matrix Units

Reference Types

Value Types

Recipe Preparation Methods

Method Types

Method Indicators

Components

Component Groups EuroFIR

Component Groups

Acquisition Types

Units

Databa...	Code	Descrip...	Is Edit...	Scope ...	Additio...	Synon...	Is For Value	Is For ...	Creation	Creati...	Mutat...	Mutat...	
24	egg(s)	chicken ...	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mar 17...	kpresser	Mar 17...	kpresser	^
243	Cup	Cup of rice	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sep 5, ...	anonym...	Sep 5, ...	anony...	
22	dl	decilitre	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mar 17...	kpresser	Jun 17...	kpresser	
285	BX	degrees ...	<input type="checkbox"/>	Use only...	The °Bx ...		<input type="checkbox"/>	<input type="checkbox"/>	Nov 10...	jakub	Nov 10...	jakub	
3	g	gram	<input type="checkbox"/>		ISO 100...		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sep 3, ...	kpresser	Oct 21...	kpresser	
4	kcal	kilocalorie	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sep 3, ...	kpresser	Oct 21...	kpresser	
5	kg	kilogram	<input type="checkbox"/>		ISO 100...		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sep 3, ...	kpresser	Oct 21...	kpresser	

New

Remove

Name, describe and save new unit

Code

Descriptor

Scope Note

Additional Info

Synonyms

Can be used for measured values ☐

Can be used for recipes ☐

Unit Conversion

Database ID	Target Unit	Conversion Factor	Creation	Creation By	Mutation	Mutation By
1	l (litre)	0.1	2010-03-17 13:56...	kpresser	2018-06-17 16:49...	kpresser
10	ml (millilitre)	100	2013-04-23 13:26...	janka.porubska	2013-04-23 13:59...	janka.porubska

Add...

Edit...

Remove

Refresh

Save

User thesauri Defaults



FoodCASE Admin

File Help

General Settings User Administration EuroFIR Thesauri User Thesauri Versions Data Quality Analysis

Standard User Vocabularies

Categories

Carbohydrate

Disaccharide

Dry matter

Energy, total

Energy, total

Parameters

Fatty acids, total

Fatty acids, total

Fatty acids, total

Fatty acids, total

Fibre, total

Select an entry

Search

<NOTHING SELECTED>

Carbohydrate, EC Nutrition Labelling Directive, calculated from available

Carbohydrate, EC Nutrition Labelling Directive, calculated from available

Carbohydrate, available calculated from sugar and starch

Carbohydrate, available calculated from sugar, starch, oligosaccharides

Carbohydrate, available, calculated by difference

Carbohydrate, available, calculated by difference(using PROT instead of

MI0181: Carbohydrate, available calculated from sugar and starch

Use if only contributing values for total sugar (with or without trisaccharides, reported for the contributing total sugar value) and unmodified starch are summed.

CHO[g] = SUGAR[g] + STARCH[g]

Carbohydrate = sugar + starch ME95

CHO

null

Required components: SUGAR,STARCH

Save Cancel

Se

ts

User thesauri FACF



FoodCASE Admin

File Help

General Settings User Administration EuroFIR Thesauri User Thesauri Versions Data Quality Analysis Food Indexer (Languag...)

Standard User Vocabularies

Categories Markers Unit Conversions Recipe Preparation Methods Units Method Indicator Defaults FADF

Show the following registers in the FADF Repository

- ☒ Food list
- ☒ Greenfield and Southgate
- ☒ USDA
- ☒ Others

Files in register "Others"

New	Delete	File name	Display name	Comments
-----	--------	-----------	--------------	----------

File

Display name

Comments

Refresh Save

Select register to be displayed

Manage FADF files

Add files to the register "Others"

FoodCASE Admin

File Help

General Settings User Administration EuroFIR Thesauri User Thesauri Versions Data Quality Analysis Food Indexer (LanguagL)

Standard User Vocabularies

Categories Markers Unit Conversions Recipe Preparation Methods Units Method Indicator Defaults FAF

Show the following registers in the FAF Repository

- ☒ Food list
- ☒ Greenfield and Southgate
- ☒ USDA
- ☒ Others

Files in register "O"

New File

Delete FAF

Conversion factor:

FAF Citation:

Comment:

FAF Repository (2375 - Nescafé Dolce Gusto Café au lait (Nestlé))

Aggregation Wizard

Aggregation Data Fatty Acids Borrowed Values Other Calculable Components

Fatty Acid Conversion Factor

Fatty acids conversion factor (FAF)

per 100 g total fatty acids (F) -> per 100 g or 100 ml edible portion (W or V)

Calculable Fatty Acids

Fatty acids, total (FACID)

File

Display name

Comments

Refresh

Save

Upload File...

Time for exercising again



Exercises

- 3f
- 3g
- 3h
- 3i
- 3j

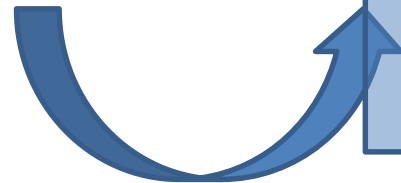
Versions



Three levels of food composition

Initial Data

Apple
Protein 0.3 g/100g
Protein 200 mg/50g
...



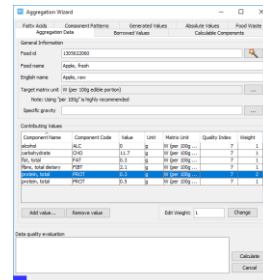
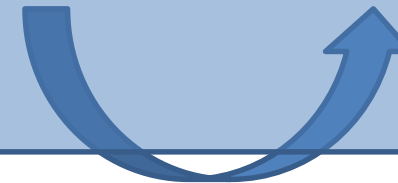
Aggregated Data

Apple
Protein 0.35 g/100g
Fat 0.3 g/100g
...
Energy 231.9 kJ/100 g

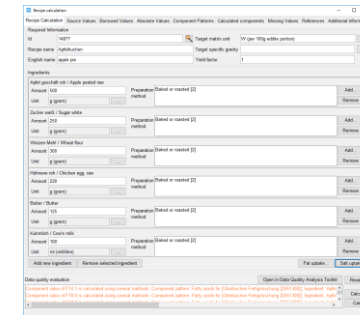
Versioning

Recipe Data

Apple Pie
Protein 2.68 g/100 g
Fat 4.86 g/100 g
...
Energy 560 kJ/100 g



Aggregation wizard



Recipe wizard

FC

FoodCASE Admin

File Help

General Settings

User Administration

EuroFIR Thesauri

User Thesauri

Versions

Data Quality Analysis

Food Indexer (LanguagL)

Create a new version

Version name

Test Version

Creating a new version will copy all data from the aggregated level into the new version.

☐ I am sure I want to do this

Create New Version

Existing versions

Id	Text	Version Public	Creation	Creationby
4	V 3.0.1	<input type="checkbox"/>	Jun 21, 2010	kpresser
1	current working	<input type="checkbox"/>	Dec 1, 2009	kpresser
7	V 4.1	<input type="checkbox"/>	Apr 9, 2013	esther
12	V 5.0	<input type="checkbox"/>	Nov 27, 2013	esther
13	dvdvweve	<input type="checkbox"/>	Mar 22, 2015	premotec
5	V 4.0	<input checked="" type="checkbox"/>	Nov 16, 2012	kpresser

Mark Version for Publication

FC

FoodCASE Admin

File Help

General Settings

User Administration

EuroFIR Thesauri

User Thesauri

Versions

Data Quality Analysis

Food Indexer (LanguagL)

Create a new version

Version name

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Create New Version

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13	dvdvweve	<input type="checkbox"/>	Mar 22, 2015	premotec
5	V 4.0	<input checked="" type="checkbox"/>	Nov 16, 2012	kpresser
14	Test Version	<input type="checkbox"/>	Mar 25, 2015	chahat

Mark Version for Publication

FC

FoodCASE Admin

File Help

General Settings

User Administration

EuroFIR Thesauri

User Thesauri

Versions

Data Quality Analysis

Food Indexer (LanguagL)

Create a new version

Version name

Creating a new version will copy all data from the aggregated level into the new version.

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Create New Version

Existing versions

Id	Text	Version Public	Creation	Creationby
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12	V 5.0	<input type="checkbox"/>	Nov 27, 2013	esther
13	dvdvweve	<input type="checkbox"/>	Mar 22, 2015	premotec
5	V 4.0	<input checked="" type="checkbox"/>	Nov 16, 2012	kpresser
14	Test Version	<input type="checkbox"/>	Mar 25, 2015	chahat

Mark Version for Publication

Almost there....



Banker's rounding

- 1.25 -> 1.2
- 1.35 -> 1.4
- 1.05 -> 1.0

- 1.X5
- X = 1 3 5 7 9 -> round up
- X = 0 2 4 6 8 -> round down