The Food Authenticity Research Network Hub - The FARNHub

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CRA-W, Belgium

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Nofima, Norway

FARNHub: What is it?

- This platform is a web-based portal where users can get an overview of currently available resources related to food authenticity.
- This includes papers and documents (scientific or other), ongoing projects, online databases, an overview of funding bodies, news stories, regulations and analytical methods.
- This tool is dedicated to funding bodies, industry, regulatory authorities, research organisations and other stakeholders.

e-Newsletter:

Authent-Net: Food Authenticity Research Network

Issue no. 2 – January 2018

This project has received funding from the European Union´s Horizon 2020 research and innovation programme under grant agreement No 696371.

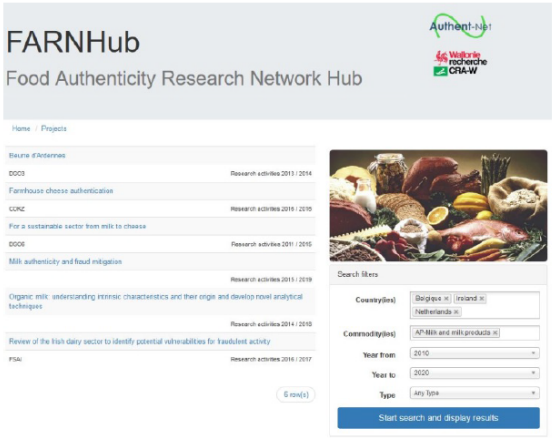
www.authent-net.eu

PROJECT ACTIVITIES:

The Food Authenticity Research Network Hub (FARNHub)

Authent-Net will **bring together various project outputs and other available information in the area of food authenticity and develop and maintain a dynamic and sustainable European information platform,** named the **"Food Authenticity Research Network Hub (FARNHub)",** and facilitate future open access to this information for funding bodies, industry, regulatory authorities, research organisations and other stakeholders.

➔ **Extract of the e-Newsletter**



This platform is a web-based portal where users can get an overview of currently available resources related to food authenticity.

This includes papers and documents (scientific or other), ongoing projects, online databases, an overview of funding bodies with contact points, news stories, and regulations. Analytical methods are addressed by the Food Integrity project (WP2) through the Food Integrity Knowledge Base.

This application is now available on online on http://farnhub.authent.cra.wallonie.be/ for search and view content.

Any update, adding can be suggested and provided to email farnhub@cra.wallonie.be. A network of national representatives involved in the AuthentNet project has been created to approve new entries and update the database.

Topics

- Clickable map

  with links to country and commodity reports
- Searchable database
- Content: some statistics
- Administration tool
- Network of country representatives

Authent-Net website

Home | Project overview › | Work plan description › | Project partners | Dissemination materials | Events

Latest Project News *(archive)*

- Final Authent-Net Stakeholder Workshop
- Food Authenticity Research Network Hub (FARNHub) available on-line

FARNHub
(Food Authenticity Research Network Hub)

Sign up for our newsletter
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Tweets by @AuthentNet

Authent-Net
@AuthentNet

Watch the video:
These Detectives Fight Food Fraud
youtube.com/watch?v=Y_dacq...

YouTube @YouTube

FARNHub (Food Authenticity Research Network Hub)

One of the objectives of the Authent-Net project is to establish a dynamic and sustainable European information platform, named the **"Food Authenticity Research Network Hub (FARNHub)"**.

This platform is a web-based portal where users can get an overview of currently available resources related to food authenticity.

This includes papers and documents (scientific or other), ongoing projects, online databases, an overview of funding bodies with contact points, news stories, analytical methods and regulations on food authenticity.

Analytical methods are addressed by the Food Integrity project (WP2) through the Food Integrity Knowledge Base

The FARNHub application is now available on online on http://farnhub.authent.cra.wallonie.be/ for search and view content. By giving open access to this web tool, all possible users who have an interest in food authenticity (funding bodies, industries, regulatory authorities, research organisations and other stakeholders) can benefit from the hub and its content.

A map available on http://www.authent-net.eu/AN_FARNH_click_map.html gives statistics on the number of publications, projects, news, ... and includes links to the 14 National status reports and 4 commodity status reports developed by groups of experts from the resources stored in the FARNHub tool.

Any update, adding can be suggested and provided to email farnhub@cra.wallonie.be
A network of national representatives involved in the Authent-Net project has been created to approve new entries and update the database.

➔ **http://www.authent-net.eu/**

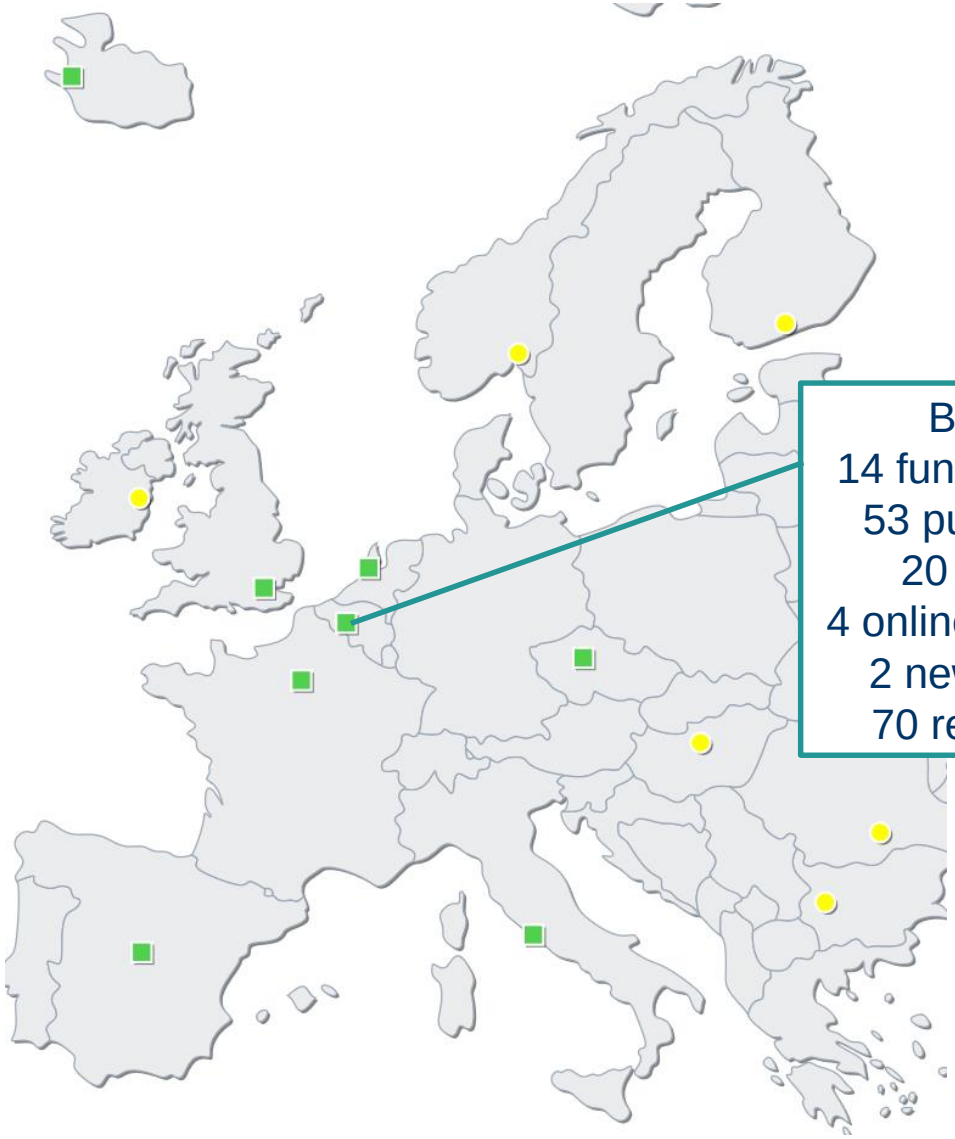
Clickable map, country & commodity reports

National Status Reports (NSRs)

- Belgium
- Bulgaria
- Czech Republic
- France
- Finland
- Hungary
- Iceland
- Ireland
- Italy
- Romania
- Spain
- The Netherlands
- United Kingdom
- FAO/IAEA

Commodity Status Reports (CSRs)

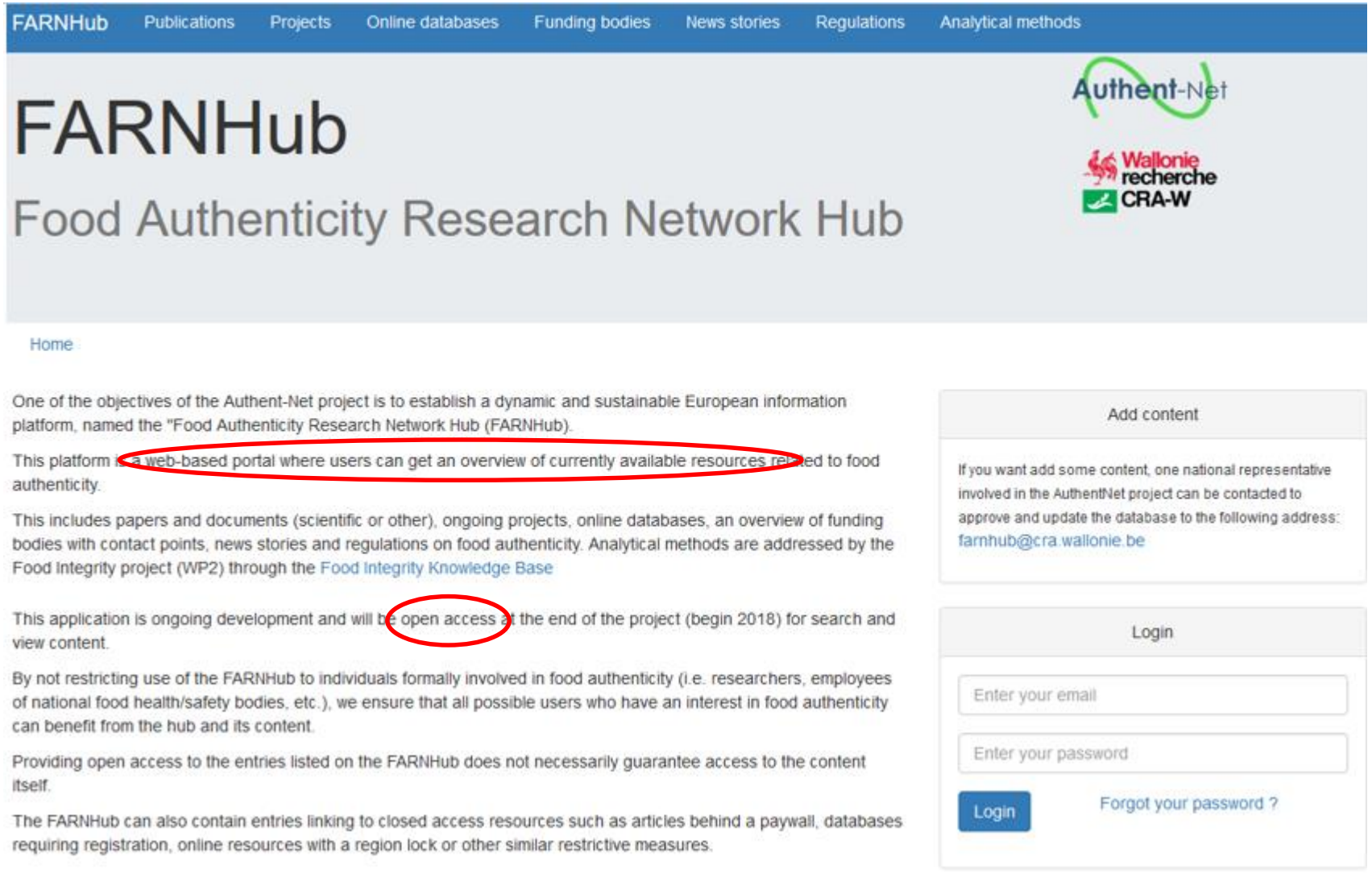
- Seafood
- Beef
- Olive oil
- Honey



Belgium
14 funding bodies
53 publications
20 projects
4 online databases
2 news stories
70 regulations

➔ **http://www.authent-net.eu/AN_FARNH_click_map.html**

FARNHub application: public part



➔ **http://www.farnhub.authent.cra.wallonie.be**

FARNHub | Publications | Projects | Online databases | Funding bodies | News stories | Regulations | Analytical methods

FARNHub

Food Authenticity Research Network Hub

Authent-Net

Wallonie recherche CRA-W

Home | Publications

Allelic variation in the VvMYBA1 and VvMYBA2 domestication genes in natural grapevine population s(Vitis vinifera ssp sylvestris)

Carrasco D; De Lorenzis G; Maghradze D; Revilla E; Bellido A; Failla O; Arroyo-Garcia R — Plant Systematic and Evolution 2014

Genetic and in situ characterization of the last wild grapevine populations in Castilian and Leon region (Spain)

Ocete Rubio R; Valle JM; Perez Izquierdo MA; Lopez MA; Failla O; Vargas A; Santana JC; Hidalgo E; Arroyo-Garcia R — Journal International des Sciences de la Vigne et du Vin 2014

Identification of Vitis vinifera L. grape berry skin color mutants and polyphenolic profile

Ferreira V; Fernandes F; Pinto-Carnide O; Valentao P; Falco V; Martin JP; Maria Ortiz J; Arroyo-Garcia R; Bandrade P; Castro I — Food Chemistry 2016

3 row(s)

Search filters

Country(ies): Spain ×

Commodity(ies): AB-Wines, musts ×

Year from: Any year

Year to: Any year

Peer-reviewed: Any

Start search and display results

FARNHub

Food Authenticity Research Network Hub

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Wallonie recherche CRA-W

show publication

Title :	**Allelic variation in the VvMYBA1 and VvMYBA2 domestication genes in natural grapevine population s(Vitis vinifera ssp sylvestris)**
Author(s) :	Carrasco D; De Lorenzis G; Maghradze D; Revilla E; Bellido A; Failla O; Arroyo-Garcia R
Year :	2014
Type :	Scientific (article, thesis, book, ...)
Name :	Plant Systematic and Evolution
Peer reviewed :	Yes
Link :	https://doi.org/10.1007/s00606-014-1181-y
Country :	Spain
Commodity :	AB-Wines, musts
Abstract :	

FARNHub | Publications | Projects | Online databases | Funding bodies | News stories | Regulations | Analytical methods

FARNHub

Food Authenticity Research Network Hub

Home > Projects

Authentication and traceability	
CRA-W	Research activities 2004 / 2021
Authenticity of plant products	
ILVO	Research activities 2006 / 2021
Beurre d'Ardennes	
DGO3	Research activities 2013 / 2014
BioGeoCarbo	
CRA-W	Research activities 2011 / 2013
Cellule d appui aux indications geographiques	
DGO3	R & D & I projects 2011 / 2021
For a sustainable sector from milk to cheese	
DGO6	Research activities 2011 / 2015
Peptidomic and genomic approach to the detection and identification of protein components of animal origin in the diet of livestock	
WIV-ISP	Research activities 2012 / 2016

7 row(s)

Search filters

Country(ies): Belgique

Commodity(ies): Select Some Options

Year from: 2001

Year to: Any year

Type: Any Type

Start search and display results

FARNHub | Publications | Projects | Online databases | Funding bodies | News stories | Regulations | Analytical methods

FARNHub

Food Authenticity Research Network Hub

Home / Projects / show project

show project

Short name :	**CRAW-U16**
Full name :	**Authentication and traceability**
Coordinator :	Berben G (CRA-W)
Funding bodies	Walloon Agricultural Research Centre
Type :	Research activities
start and end:	2004 - 2021
Link :	http://www.cra.wallonie.be/en/unit-16-projects
Country :	Belgique
Commodity :	All Food
Summary :	Development and implementation of analytical methods (mainly centred around molecular biology) for authentication of agricultural products (detecting GMOs, MBM, etc.).

FARNHub | Publications | Projects | Online databases | Funding bodies | News stories | Regulations | Analytical methods

FARNHub

Food Authenticity Research Network Hub

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Home / Online databases

Czech Agriculture and Food Inspection Authority	
Czech Agriculture and Food Inspection Authority	Incident database 2016 / 2021
Europol press release	
Europol	Incident database 2016 / 2021
Food alerts	
FSA	Incident database 2016 / 2021
Food Fraud Database	
USP	Incident database 1980 / 2021
Food Pillory	
Czech Agriculture and Food Inspection Authority	Incident database 2016 / 2021
Frodi alimentari	
Frodi alimentari	Incident database 2016 / 2021
Global food safety information	
Horizonscan	Incident database 2016 / 2021

Search filters

Country(ies): Select Some Options

Commodity(ies): Select Some Options

Open access: Any open access

Type: Incident database

Start search and display results

FARNHub

Food Authenticity Research Network Hub

show Online database

Name :	Frodi alimentari
Organization :	Frodi alimentari
Type :	Incident database
Start - End:	2016 - 2021
Open access :	Yes
Link :	http://www.frodialimentari.it/
Country :	Italy
Commodity :	All Food
Abstract :	Link of a public association (Associazione Cultura Facile - Easy Knowledge Association) that reports cases of food fraud and food safety incidents.

FARNHub | Publications | Projects | Online databases | Funding bodies | News stories | Regulations | Analytical methods

FARNHub

Food Authenticity Research Network Hub

Home > Funding bodies

Department of agriculture, food and the marine	
DAFM	Ireland
Food safety authority of Ireland	
FSAI	Ireland
Health Service Executive	
HSE	Ireland
SafeFood	
SAFEFOOD	Ireland
Sea Fisheries Protection Authority	
SFPA	Ireland
TEAGASC	

Search filters

Country(ies) Ireland ×

Start search and display results

FARNHub | Publications | Projects | Online databases | Funding bodies | News stories | Regulations | Analytical methods

FARNHub

Food Authenticity Research Network Hub

Home / Funding bodies / show funding body

show a funding body

Funding body name :	**Food safety authority of Ireland**
Funding body shortname :	FSAI
Contact name :	
Phone :	
E-mail :	
Link :	www.fsai.ie
Country :	Ireland
Abstract :	Government Agency coordinating the implementation and enforcement of food law in Ireland.

FARNHub | Publications | Projects | Online databases | Funding bodies | News stories | Regulations | Analytical methods

FARNHub

Food Authenticity Research Network Hub

Home / News stories

Interaction with FoodIntegrity seafood incidents Wiki (WP6)

'Crisis of confidence' in food supply ch...
FarmingUK 2017

1 in 5 sausages tested had meat not on l...
Revelstoke Review 2017

15,000 pounds fine for lacing lamb mince...
Cunningham C — Messenger 2016

20 per cent of sausages tested in Canada...
Nadin Ramadan — Varsity 2017

20% of tested sausages contained mislabe...
CTV News 2017

3-Star Michelin Restaurant Changes Menu ...
Inside Edition 2016

Addition of Undeclared Horse Meat to Pro...

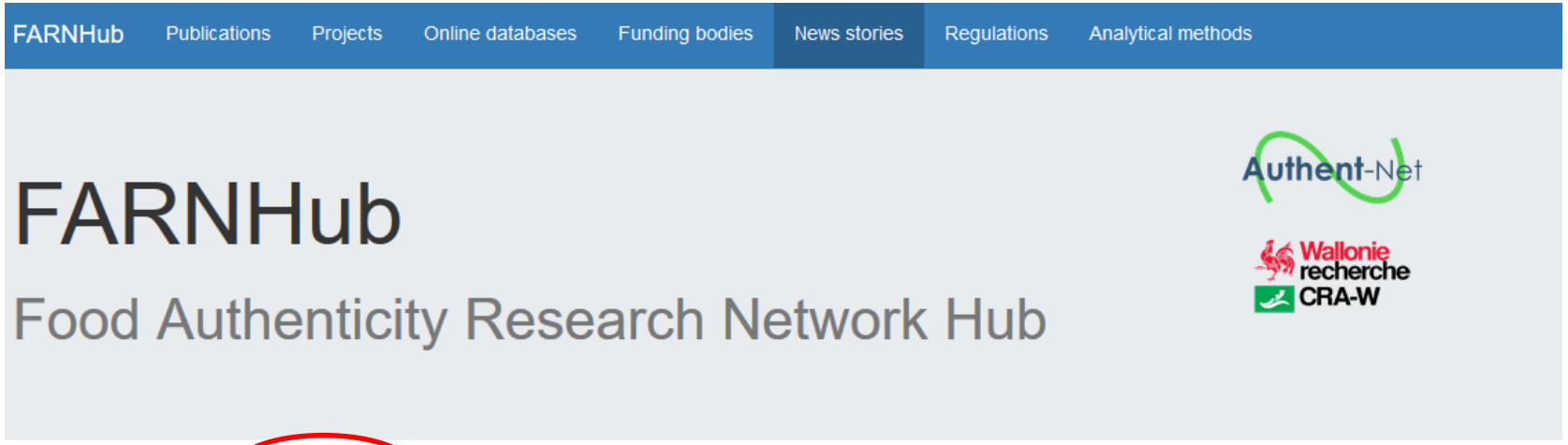
Search filters

Country(ies): Select Some Options

Commodity(ies): AP-Meat and edible offal ×

Year: Any year

Start search and display results



show news story

Title :	**'Crisis of confidence' in food supply chain as two imprisoned over horse meat**
Author(s) :	
Source :	FarmingUK
Year :	2017
Link :	https://www.farminguk.com/news/-Crisis-of-confidence-in-food-supply-chain-as-two-imprisoned-over-horse-meat_47098.html
Country :	United Kingdom of Great Britain & Northern Ireland
Commodity:	AP-Meat and edible offal
Abstract:	Two men have been sent to prison for defrauding consumers by labelling horse meat as beef. The Food Standards Authority said the sentence 'sends out a clear signal' that food crime will not be tolerated. Andronicos Sideras, owner of Dinos and Sons Ltd, and Ulrich Nielsen of Flexi Foods were sentenced to four years and six months and three years and six months imprisonment respectively at Inner London Crown Court yesterday. A third man, Alex Ostler-Beech, also of Flexi Foods was given an eighteen month suspended sentence. On a number of occasions Mr Sideras, Mr Nielsen and Mr Ostler-Beech had conspired to mix consignments of beef with horsemeat, falsely labelling it as beef and thereby inflating their profits as a result.

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Home / Regulations

D.lgs. 175/2011	
Dried milk for human	National law
DM 185/1991	
Fresh pasteurized milk	Ministry of Health
Legge 169/1989	
Food cows milk	National law

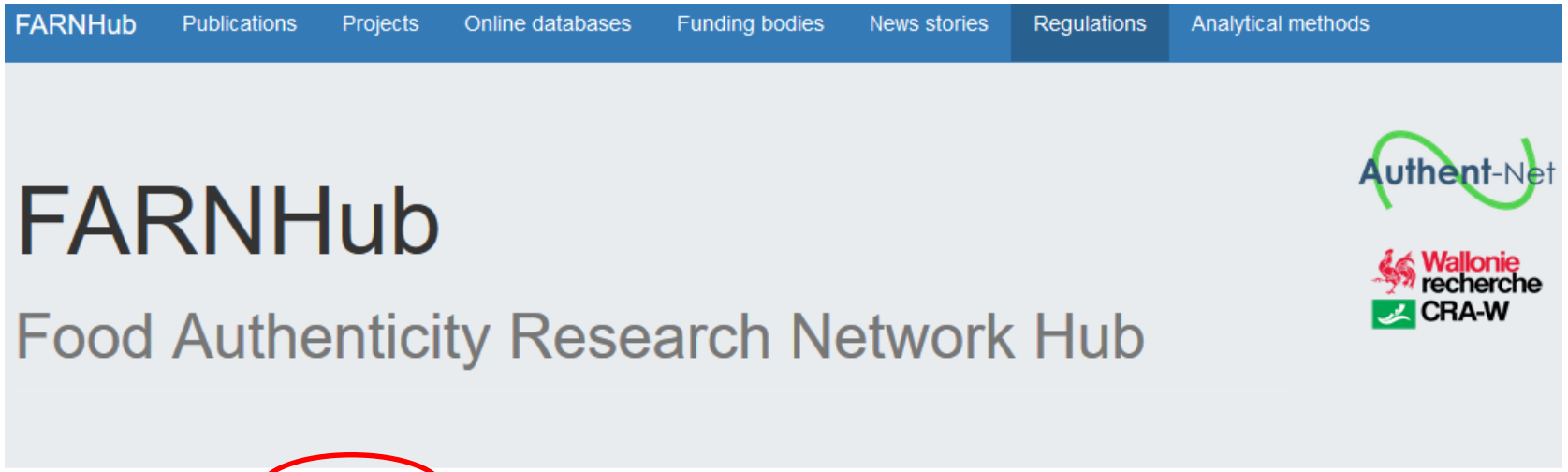
3 row(s)

Search filters

Country(ies): Select Some Options

Commodity(ies): AP-Milk and milk products ×

Start search and display results



show regulation

Regulation identifier :	D.lgs. 175/2011
Name :	Regulation on partially or totally dried milk for human consumption
Short name :	Dried milk for human
Regulatory body :	National law
Link :	http://www.normattiva.it/uri-res/N2Ls?urn:nir:stato:decreto.legislativo:2011;175
Country :	Italy
Commodity :	AP-Milk and milk products
Abstract :	Implementation of Directive 2007/61/CE by national law D.lgs. 175/2011.

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Food Authenticity Research Network Hub

Home / Analytical methods

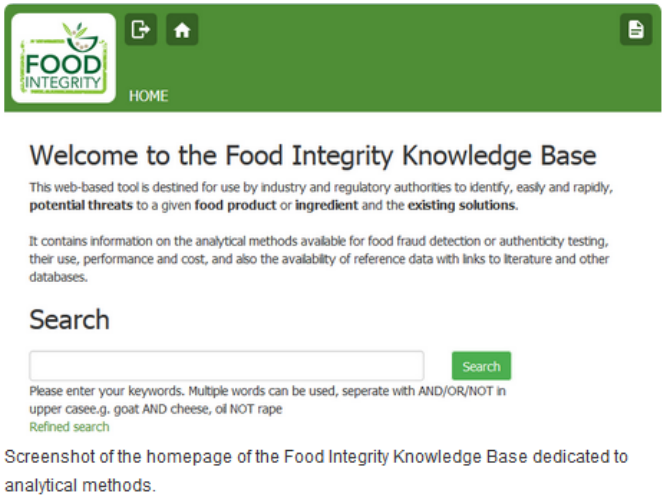
FoodIntegrity Knowledge Base (WP2), by Jean-Francois Morin

The aim of WP2 is to build a **comprehensive Knowledge Base** (KB) linking each food product and its potential fraud or integrity issues, to appropriate analytical strategies that can be used for food fraud detection or authenticity testing.

Up to now **more than 300 methods** have been put in the KB by experts of WP2 in relation to various food fraud issues. A data quality check is ongoing for assuring harmonisation and relevance of data. Furthermore, a **beta-test involving more than 20 stakeholders**, from control laboratories, food companies, professional associations and policy making bodies has been organised for getting feedback. A set of interesting comments have been collected and improvements of the IT tools are under development.

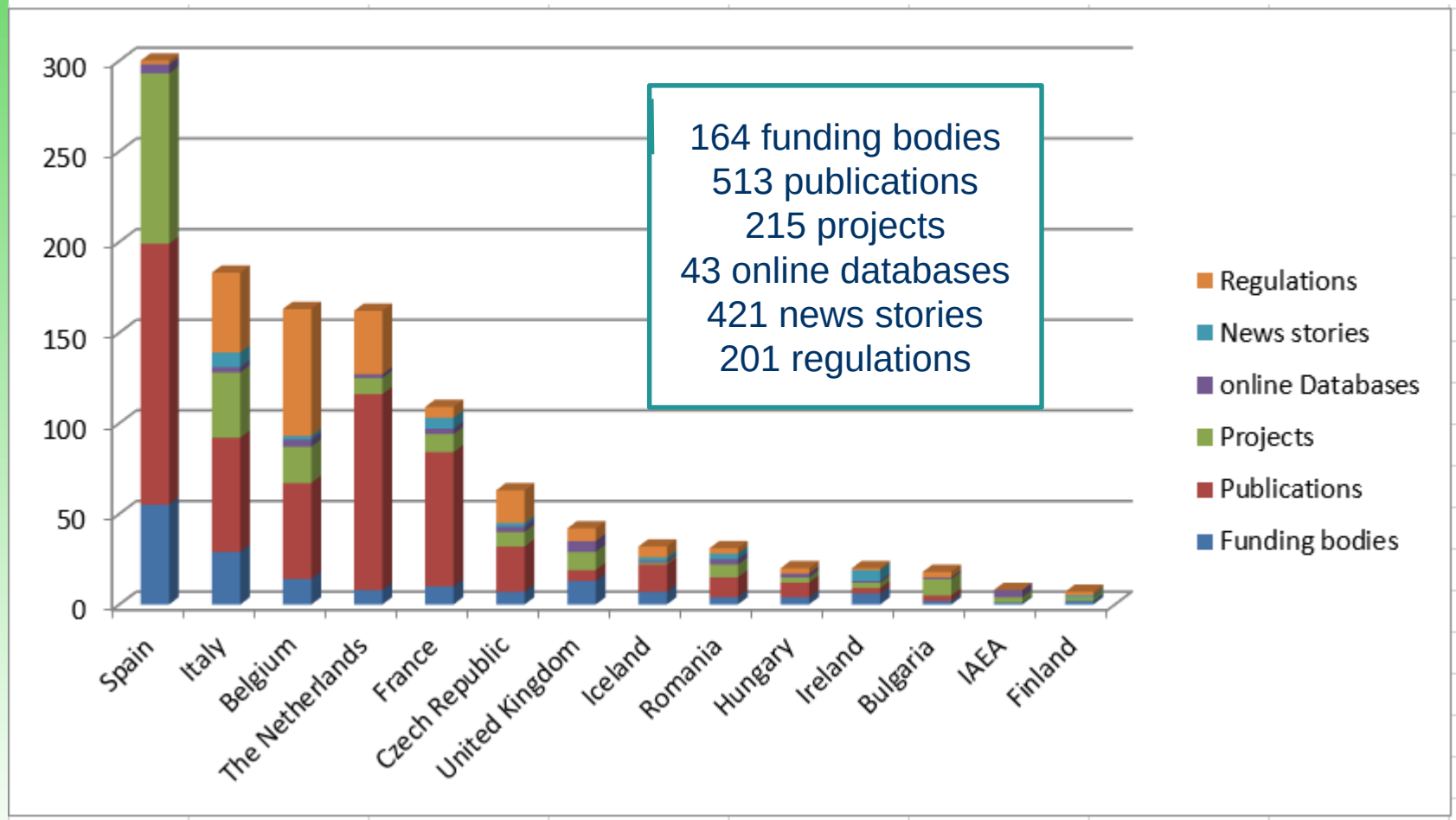
The question of the sustainability of the KB beyond the project has also been addressed. A **transfer project of the KB to the JRC**, expected early 2018, is under discussion. **Freely accessible**, the KB will be a knowledge reference in the field of food fraud. It will be used by food companies, in the case where they are facing an adulteration, for identifying analytical solutions for testing samples. It can also be used for preparing a control plan tailored to its needs and relevant for the food matrices or even for standardisation bodies to evaluate the status of validation of analytical methods efficient for a specific food fraud issue and select candidate method(s) for standardisation.

Including comprehensive and standardised metadata for the description of the method, the KB will act as a **European focal point** about analytical methods in the field of food fraud.



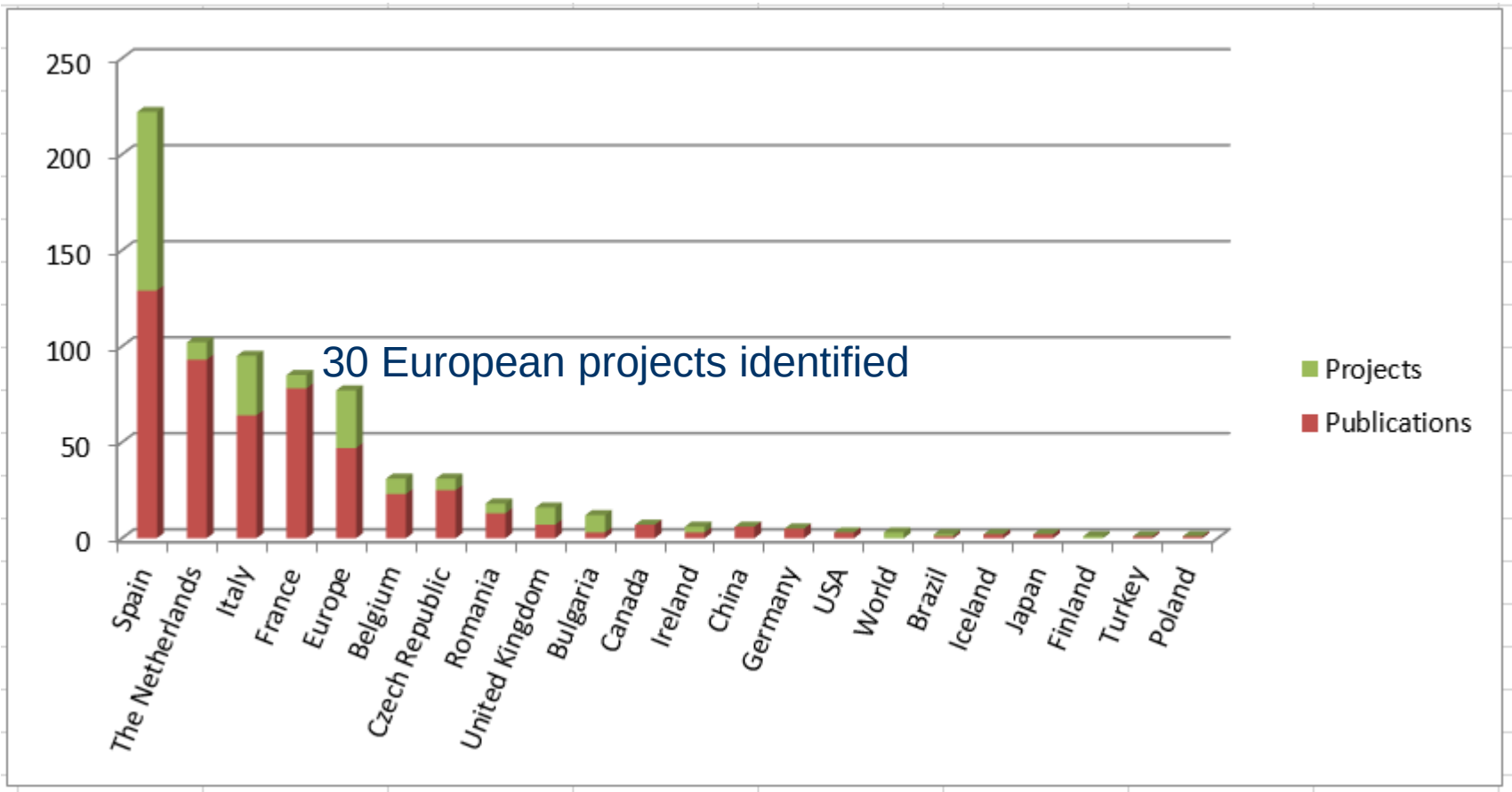
Screenshot of the homepage of the Food Integrity Knowledge Base dedicated to analytical methods.

Content: Number of records by country
Total = 1557 records



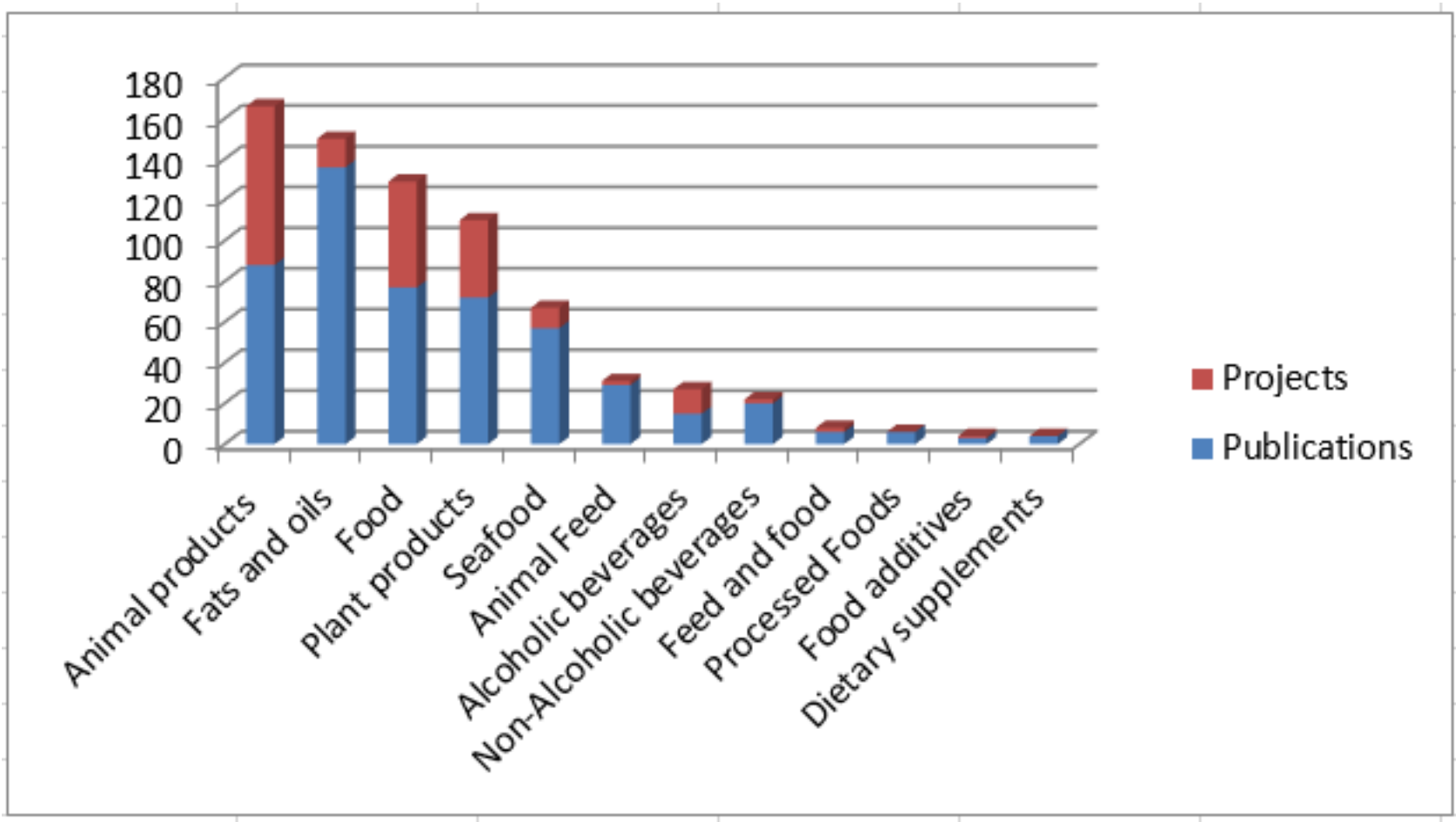
➔ Invitation to increase your contribution

Content: Research contribution by country



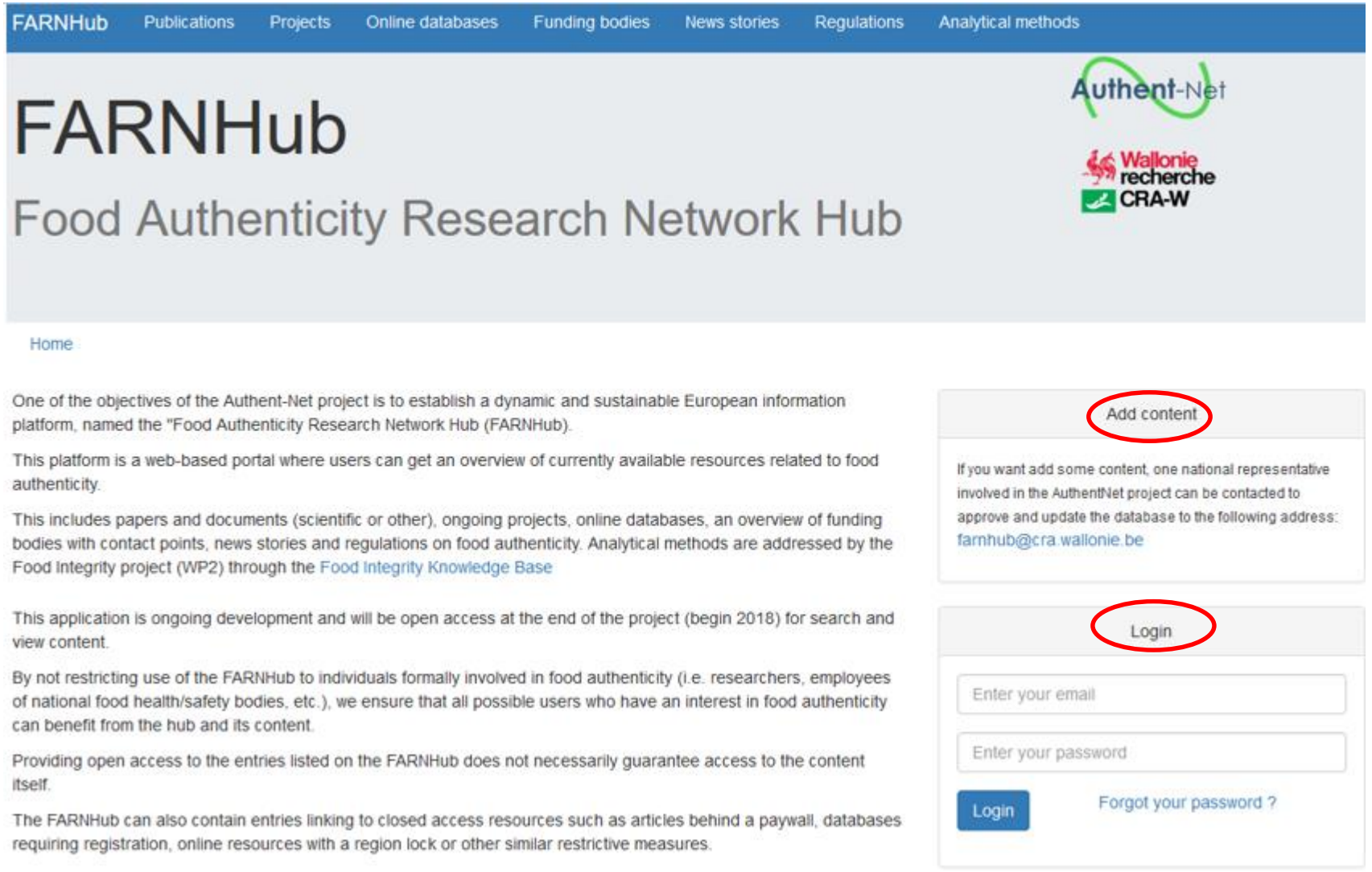
➔ Invitation to contact other research institutes to cover the entire country

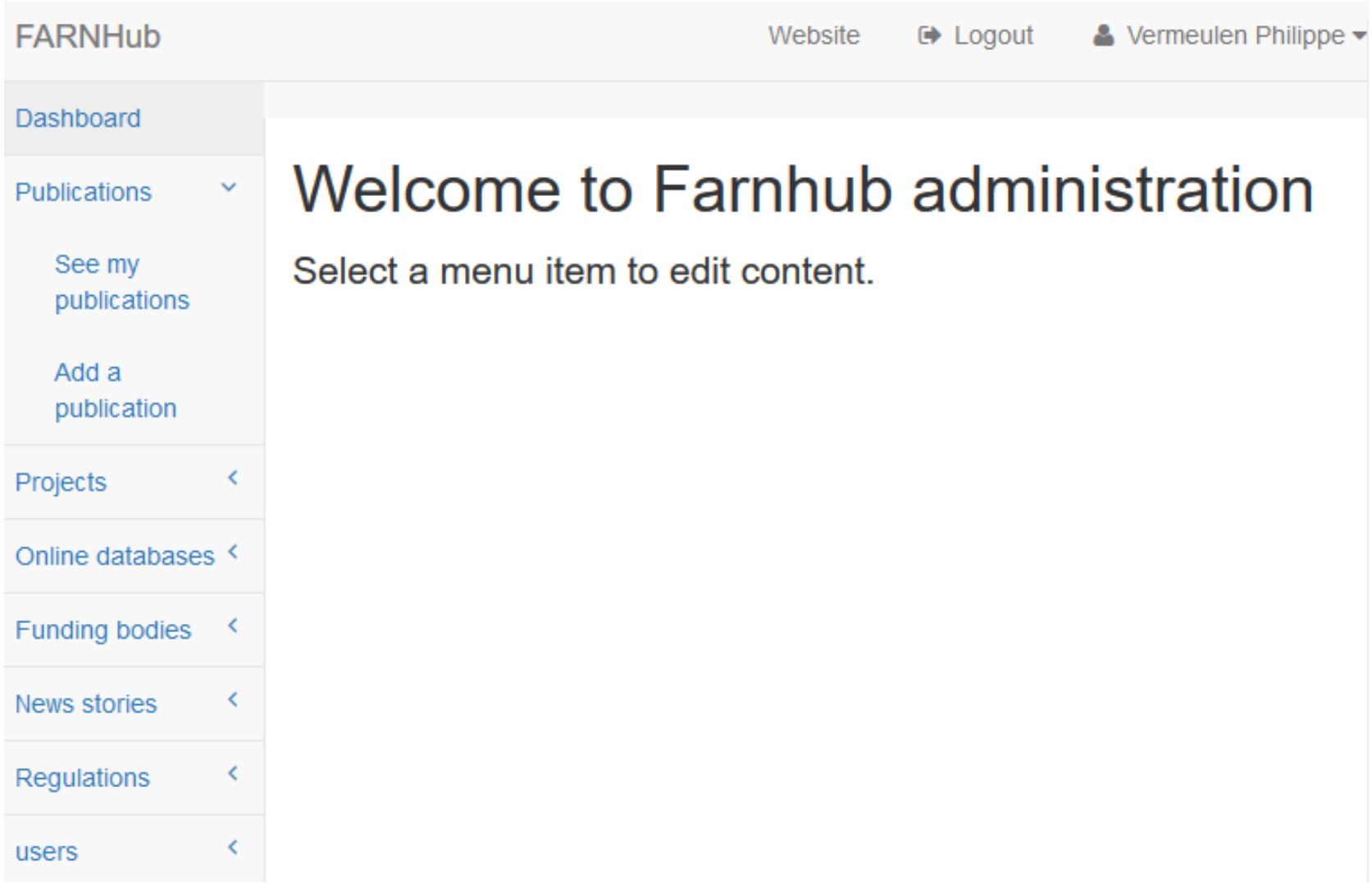
Content: Research contribution by commodity

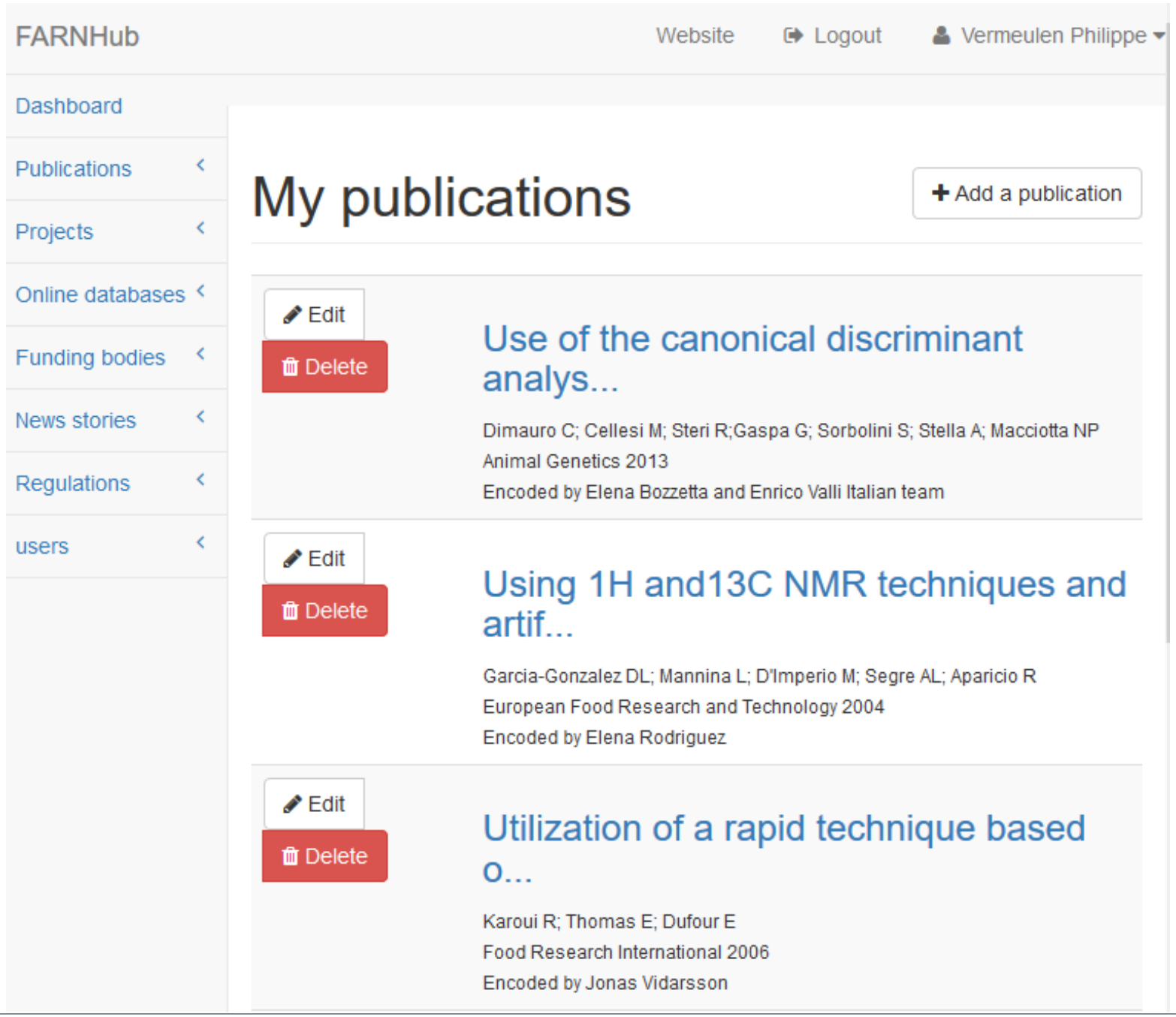


➔ Invitation to contact other research institutes to cover all the commodities

FARNHub application: administration part




FARNHub
Website
Logout
Vermeulen Philippe
Dashboard
Publications
See my publications
Add a publication
Projects
Online databases
Funding bodies
News stories
Regulations
users
Welcome to Farnhub administration
Select a menu item to edit content.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My publications
+ Add a publication
Edit
Delete
Use of the canonical discriminant analys...
Dimauro C; Cellesi M; Steri R;Gaspa G; Sorbolini S; Stella A; Macciotta NP
Animal Genetics 2013
Encoded by Elena Bozzetta and Enrico Valli Italian team
Edit
Delete
Using 1H and13C NMR techniques and artif...
Garcia-Gonzalez DL; Mannina L; D'Imperio M; Segre AL; Aparicio R
European Food Research and Technology 2004
Encoded by Elena Rodriguez
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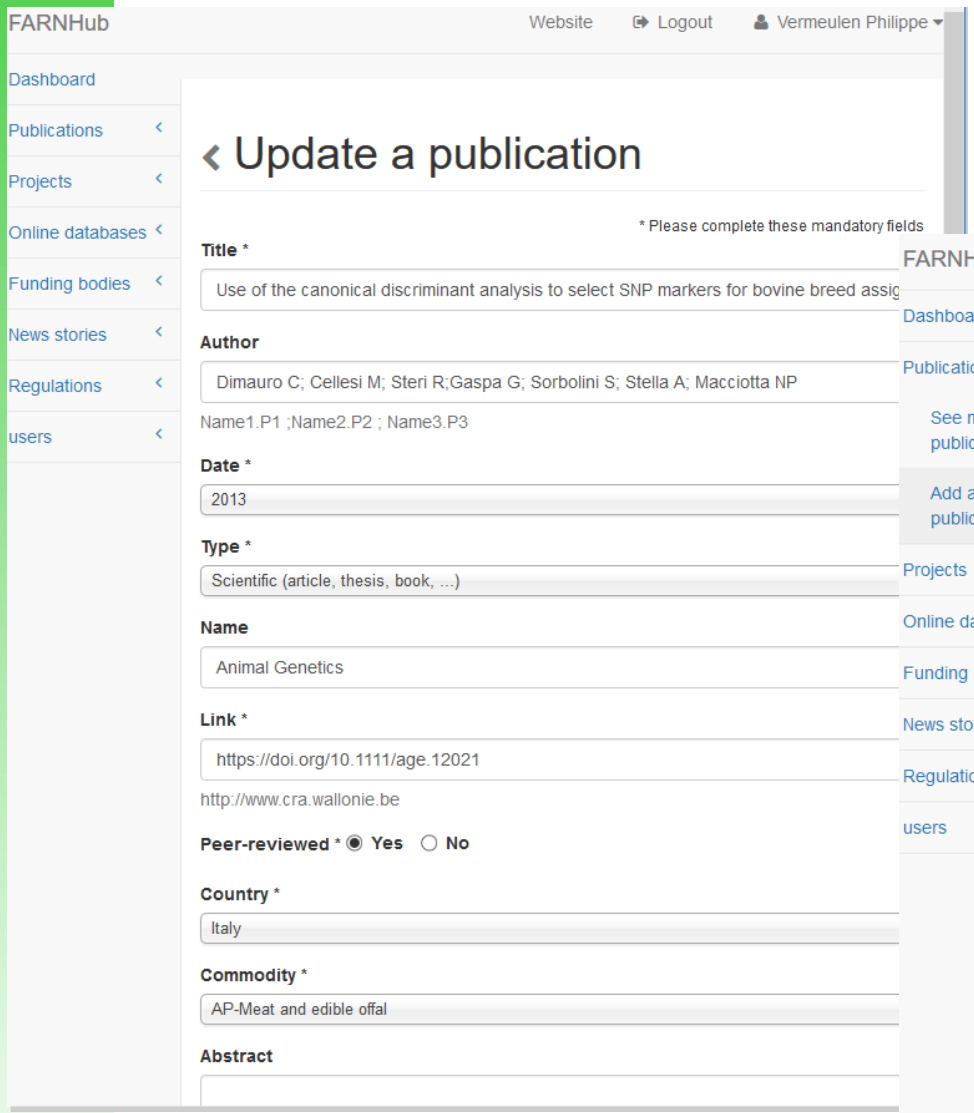
Utilization of a rapid technique based o...
Karoui R; Thomas E; Dufour E
Food Research International 2006
Encoded by Jonas Vidarsson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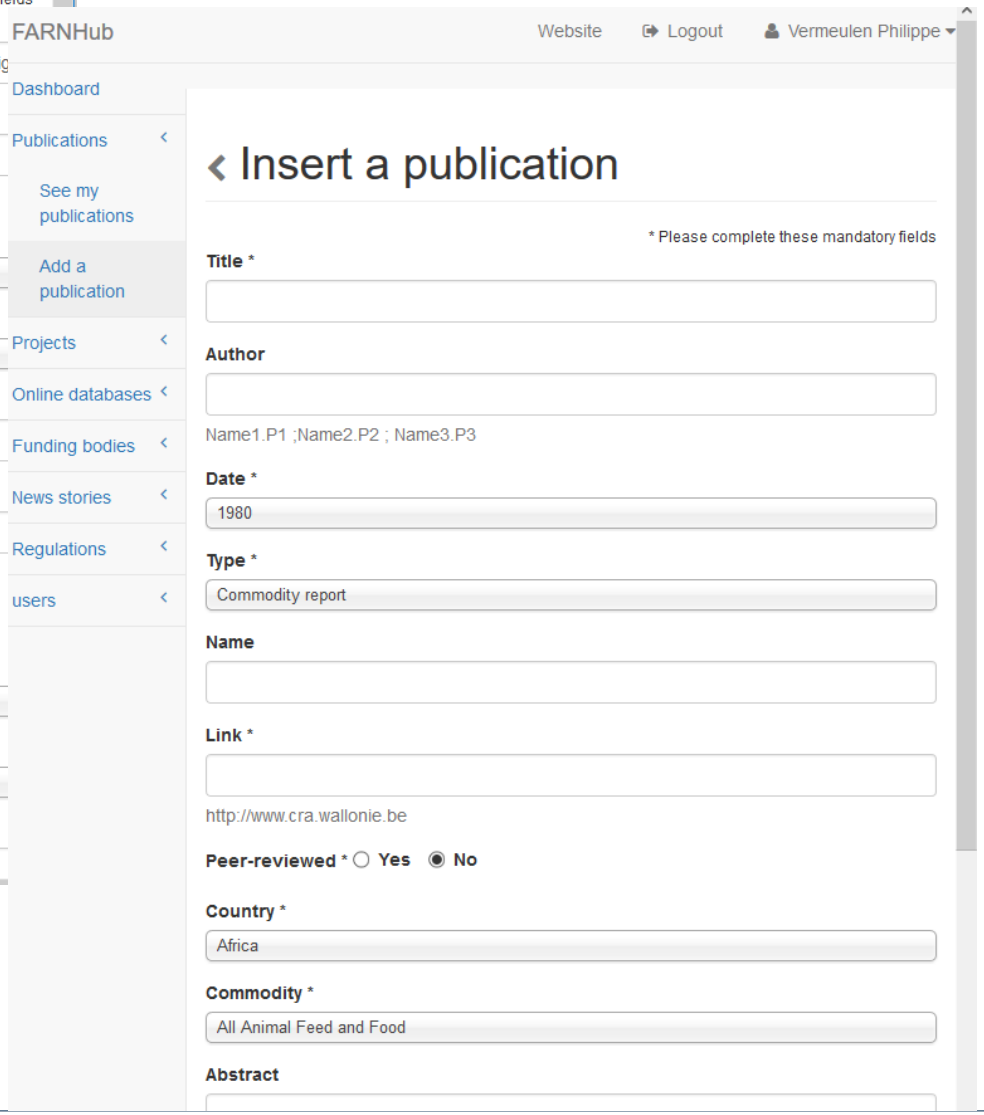
users
Update a publication
* Please complete these mandatory fields
Title *
Use of the canonical discriminant analysis to select SNP markers for bovine breed assig
Author
Dimauro C; Cellesi M; Steri R;Gaspa G; Sorbolini S; Stella A; Macciotta NP
Name1.P1 ;Name2.P2 ; Name3.P3
Date *
2013
Type *
Scientific (article, thesis, book, ...)
Name
Animal Genetics
Link *
https://doi.org/10.1111/age.12021
http://www.cra.wallonie.be
Peer-reviewed * Yes No
Country *
Italy
Commodity *
AP-Meat and edible offal
Abstract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Author
Name1.P1 ;Name2.P2 ; Name3.P3
Date *
1980
Type *
Commodity report
Name
Link *
http://www.cra.wallonie.be
Peer-reviewed * Yes No
Country *
Africa
Commodity *
All Animal Feed and Food
Abstract

Network of national representatives: list

Name	First name	Institute	Email address	Access rights	Country representative	Role
Vermeulen	Philippe	CRAW	p.vermeulen@cra.wallonie.be	super administrator	Begium	All data compilation
Baeten	Vincent	CRAW	v.baeten@cra.wallonie.be	administrator	Belgium	BE data (NSR + Farnhub)
Mikova	Violeta	BNSF	v.milkova@mon.bg	administrator	Bulgaria	BG data (NSR + Farnhub)
Tomaniova	Monika	VSCHT	Monika.Tomaniova@vscht.cz	administrator	Czech Republic	CZ data (NSR + Farnhub)
Anthoni	Minna	EVIRA	minna.anthoni@evira.fi	administrator	Finland	FI data (NSR + Farnhub)
Guyon	François	SCL	Francois.GUYON@scl.finances.gouv.fr	administrator	France	FR data (NSR + Farnhub)
Nagy	Attila	NEBIH	NagyAttila@nebih.gov.hu	administrator	Hungary	HU data (NSR + Farnhub) + CSR honey
Vidarsson	Jonas	MATIS	jonas@matis.is	administrator	Iceland	IS data (NSR + Farnhub) + CSR fish
Kelly	Simon	IAEA	S.Kelly@iaea.org	administrator	International	IAEA data (NSR + Farnhub)
Murphy	Sinead	FSAI	smurphy@fsai.ie	administrator	Ireland	IE data (NSR + Farnhub)
Valli	Enrico	UNIBO	enrico.valli4@unibo.it	administrator	Italy	IT data (NSR + Farnhub) + CSR beef
Bozzetta	Elena	IZSTO	Elena.Bozzetta@izsto.it	administrator	Italy	IT data (NSR + Farnhub) + CSR beef
Sordhal	Patrick	NOFIMA	patrick.sordahl@nofima.no	administrator	Norway	News stories data
Syed	Shaheen	NOFIMA	shaheensyed15@gmail.com	administrator	Norway	News stories data
Asanica	Adrian	UEFISCDI	asanica@gmail.com	administrator	Romania	RO data (NSR + Farnhub)
Rodriguez	Elena	INIA	rodriguez.elena@inia.es	administrator	Spain	SP data (NSR + Farnhub) + CSR olive oil
Haasnoot	Willem	RIKILT	willem.haasnoot@wur.nl	administrator	The Netherlands	NL data (NSR + Farnhub)
Furmage	Andrew	DEFRA	Andrew.Furmage@defra.gsi.gov.uk	administrator	UK	UK data (NSR + Farnhub)

➔ Contact: farnhub@cra.wallonie.be

Network of national representatives: role

Your role as representative of your country is:

- To centralize the new data from institutions of your country
- To translate in English possible title or summary written in other language
- To check the possible duplicates and validate the new data
- To record these new data using the FARNHub administration tool or using the excel sheets
- To update the not complete or wrong information using the FARNHub administration tool
- To maintain the up to date information after the project (after April 2018)

Next steps

- Additional search facilities: tests ongoing
  - Specific search for each topic, based on text field
  - General search on full FARNHub, based on google search tool

- Continue to populate the database
  - By using the country representative network
  - By consolidating the interactions with FoodIntegrity project
    - FoodIntegrity WP2: analytical methods
    - FoodIntegrity WP6: Wiki news stories

- Maintenance of the application
  - Hosting at CRA-W during 3 years after the end of the project

Thank you to all for your contribution

http://www.authent-net.eu/

http://farnhub.authent.cra.wallonie.be/

Contacts:

farnhub@cra.wallonie.be
p.vermeulen@cra.wallonie.be

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