Organic Knowledge Network on Monogastric Animal Feed

OK-Net EcoFeed

Mapping existing scientific and advisors' Knowledge

Deliverable number	*D2.1*
Dissemination level	**Public**
Delivery date	*June 2018*
Status	*Final*
Lead beneficiary	*AU/ICROFS*
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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 773911. This communication only reflects the author's view. The Research Executive Agency is not responsible for any use that may be made of the information provided.

Document Versions

Version	Date	Contributor	Summary of Changes
0.1	06/07/2018	Merete Studnitz	First draft
0.2	09/07/2018	Bram Moeskops/Kata Gócs	Comments
1.0	12/07/2018	Merete Studnitz	Final version
1.1	26/07/2018	Kata Gócs	Editing

This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

Executive summary

This report gives an overview of the mapping of existing scientific knowledge and that of advisors. The mapping is a collection of knowledge from many existing sources including scientific research, grey literature, farmer groups and advisory services in Europe (and other relevant parts of the world) all gathered in a database. The aim is to include relevant solutions that meet the needs of the farmers, breeders and feed processing industry to feed monogastric animals with 100% organic and locally grown feed. The material has been provided by the facilitators of the Innovation Groups (IGs). The database will provide the Science Bazars with relevant materials, where potential scientific and technical innovations will be discussed with the members of the IGs. This report includes a manual on how to use the database.

The database is stored in the OK-Net EcoFeed SharePoint in a "read only" version, named: OKNet_EcoFeed_Mapping_Table_12_July_2018. The database will be updated regularly. Partners always has to use the version with the most recent date.

Table of Contents

I. Introduction – What is the mapping 3
II. The use of the mapping 3
III. Mapping is organized in an Access Database 3
III.1 The structure of the database 4
III.2 Explanation to columns in the database 4
IV. User manual 6
V. Good luck using the database 9

I. Introduction – What is the mapping

Task 2.1 Mapping existing scientific and advisor's knowledge (the Mapping Exercise) is the first part of Work Package 2. The mapping is a collection of knowledge from many existing sources including scientific research, grey literature, farmer groups and advisory services in Europe (and other relevant parts of the world). The material for mapping is delivered by the facilitators of the Innovation Groups (IGs) in OK-Net EcoFeed.

The aim of the included material is to provide relevant solutions that meet the needs of the farmers, breeders and feed processing industry to feed monogastric animals with 100% organic and locally grown feed. The aim of the mapping is:

1. to supply the Science Bazars with relevant materials (Science Bazars will be organised for each Innovation Group to discuss innovation and ideas from within the IGs, and from the mapping exercise of scientific knowledge)
2. serve as a basis for Task 2.2 - Knowledge synthesis of relevant tools and solutions (the knowledge synthesis will explain existing knowledge, suggest existing tools, and identify knowledge gaps and areas where knowledge exists but is not yet ready to be implemented, because no tools or end-user materials have been developed yet).

II. The use of the mapping

In the database that results from the mapping exercise IG facilitators can find relevant material to present and discuss at the Science Bazars. The database is structured in a way that all partners of OK-Net EcoFeed can search for certain topics and make their own lists with materials for the Science Bazar. The chosen topics and discussions at Science Bazars will be important inputs for the knowledge synthesis.

III. Mapping is organized in an Access Database

All collected material is organised in an Access database.

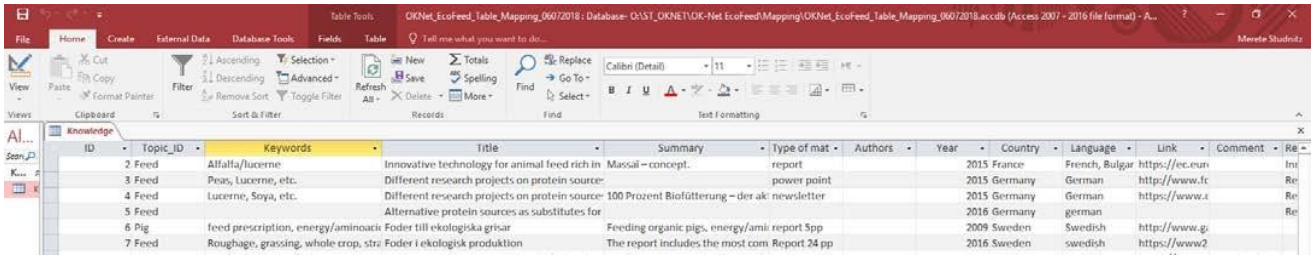
The database has been designed by Margit Styrbæk Jørgensen and Merete Studnitz in collaboration. Margit has been responsible for all the technical parts and Merete for the design and the content of the table.

The database is stored in a read only version at the OK-Net EcoFeed Sharepoint. Even if the mapping exercise is considered to be finalised at the end of June 2018, it is still possible to:

- Add more material to the database. If you have more material to put into the database please send it to Merete (Merete.studnitz(@)icrofs.org) and the database will be updated.
- Correct materials in the database. If you have any corrections please write Merete and indicate the ID of the material.

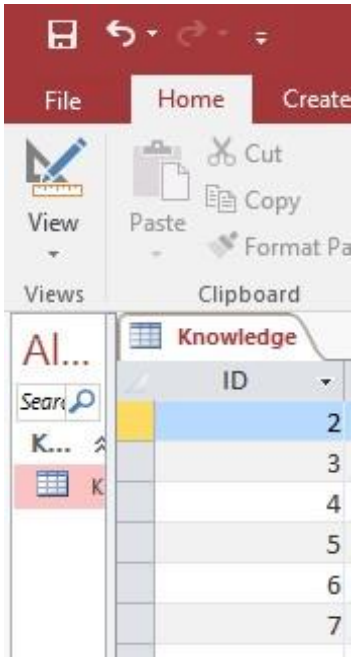
III.1 The structure of the database

The head of the database looks like:

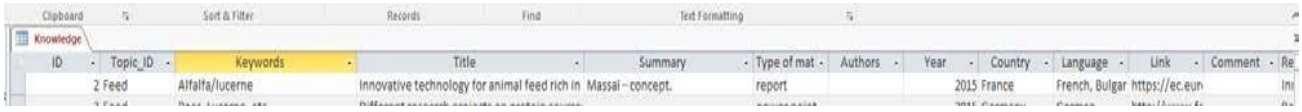


ID	Topic_ID	Keywords	Title	Summary	Type of mat	Authors	Year	Country	Language	Link	Comment
2	Feed	Alfalfa/lucerne	Innovative technology for animal feed rich in	Massai – concept.	report		2015	France	French, Bulgar	https://ec.eur	
3	Feed	Peas, Lucerne, etc.	Different research projects on protein source		power point		2015	Germany	German	http://www.fc	
4	Feed	Lucerne, Soya, etc.	Different research projects on protein source	100 Prozent Biofütterung – der ak	newsletter		2015	Germany	German	https://www.c	
5	Feed		Alternative protein sources as substitutes for				2016	Germany	german		
6	Pig	feed prescription, energy/aminoacic	Foder till ekologiska grisar	Feeding organic pigs, energy/ami	report 5pp		2009	Sweden	Swedish	http://www.g	
7	Feed	Roughage, grassing, whole crop, stra	Foder i ekologisk produktion	The report includes the most com	Report 24 pp		2016	Sweden	swedish	https://www2	

Each material, which can be articles, excel files, fact sheets etc. has its individual number (ID) and its own row.



Each material entry is explained by several columns:



ID	Topic_ID	Keywords	Title	Summary	Type of mat	Authors	Year	Country	Language	Link	Comment
2	Feed	Alfalfa/lucerne	Innovative technology for animal feed rich in	Massai – concept.	report		2015	France	French, Bulgar	https://ec.eur	

III.2 Explanation to columns in the database

1. Column:

ID, not possible to change

2. Topic ID:

Feed, Pig, sow, piglets, weaners, housing, management, genetics, health, welfare, broilers, layers

3. Keywords:

Can be any word in any language

4. Title:

Title of the material in the language of origin

5. Summary:

Always in English. Mostly it is taken directly from the text, but if it was too long or not present, the summary was written by Merete for the mapping database.

6. Type of material:

Article (peer reviewed), Magazine, Report, Fact sheet, Master Thesis

Could be others too.

7. Authors:

Can be one or more, until now only provided? for a few items.

8. Year:

The year of publishing

9. Country:

The country of publishing (not necessary where the research or trial is conducted)

10. Language:

The language in which the publication is written, there will often be an English summary

11. Link:

Link to the specific publication. We are working on a solution to make it possible to click directly to the link in the table.

12. Comment:

When you have save your own version of the database at your own computer, you can write comments for each material in this row.

13. Research/innovation:

One of these (or none) is chosen. (Not always easy to distinguish)

For 14, 15, 16, 17, 18 are boxes to tick off yes or no.

14. Production:

A tick in the box means "yes" it is production of feed.

The meaning of boxes in column 15, 16, 17 and 18 is depending on the subject chosen in column 2

– Topic ID. If "FEED" is chosen the meaning of the columns 15-18 is to be find left hand side of "/". If any kind of animal (pig, sows, piglets, weaners, broilers or layers) is chosen the meaning of column is to be find right hand side of the "/". (please be patient to understand)

15. Processing/ration planning:

A tick in the box means "yes" it is processing (of the harvested feed (the same as handling)) if the subject chosen in "Topic ID" is "FEED" *or* ration planning if the subject chosen in "Topic ID" is "pig, sows, piglets, weaners, broilers or layers".

16. Handling/nutrient need

A tick in the box means "yes" it is handling (of the harvested feed the same as processing) if the subject chosen in "Topic ID" is "FEED" *or* nutrient need if the subject chosen in "Topic ID" is "pig, sows, piglets, weaners, broilers or layers".

17. Storing/roughage

A tick in the box means "yes" it is storing if the subject chosen in "Topic ID" is "FEED" *or* roughage if the subject chosen in "Topic ID" is "pig, sows, piglets, weaners, broilers or layers".

18. Feeding/economy

A tick in the box means "yes" it is feeding if the subject chosen in "Topic ID" is "FEED" *or* economy (price and availability) need if the subject chosen in "Topic ID" is "pig, sows, piglets, weaners, broilers or layers".

19. Forage

If the materials provide knowledge about animals feeding themselves

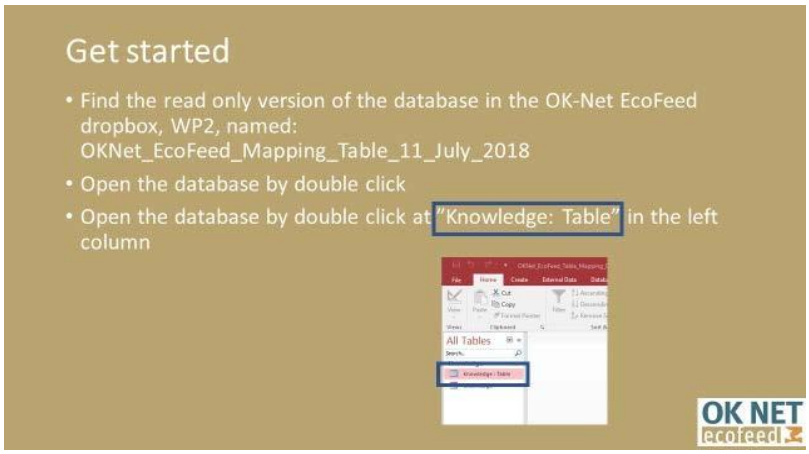
20. Nutritional value knowledge about the nutritional content of feedstuff

21. Ready to use.

The material can be ready for use for researchers, advisors or farmers. Or "NO": The material is not ready for use.

Or "Beta version" which means: not ready to use for, but you can still get ideas from the text for experiments in the Innovation groups.

IV. User manual



Get started

- Make your own version by clicking: "file" and "save as". Choose "Save Database As" e.g. "Material for Science Bazar August 2018_1"

- Click "yes" and save the database at your own computer with your own name.

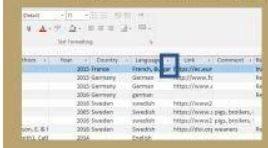
Your own Database

- Open the database again as 3
- Now you have your own database and access to all materials
- You can search for e.g. special topics, language, Processing/Ration planning, nutritional value etc.
- Select a topic:

Click at the small arrow right of Topic_ID. The new window will show that all Topic_ID are selected. Undo by de-selecting "select all" and choose the theme you want e.g. "feed", you can choose more than one Topic ID. Press "OK".

Your own Database

- Immediately a new view of the database appears with only material concerning the Topic ID you have chosen (e.g.Feed).
- The following actions will take place in this new and reduced view of the database.
- Select language: Go to column no 10. Click at the small arrow right of "Language". The new window will show that all "Language" are selected. Undo by clicking "select all" and choose the one you want e.g. "English" and "Danish". Press "OK".



Your own Database

- Immediately a new view of the database appears with only material concerning "feed" (which you chose before) and material written in English and Danish is present.
- The material is organised by ID.
- The column is marked with a filter sign if you have selected within the column.

Your own Database

- From the column "link" you can copy the link for one material at a time.
- The text columns like "Keywords", "Title", and "Summary" will be a help to identify useful material. It is not possible to search for words within the text columns.

Your own Database

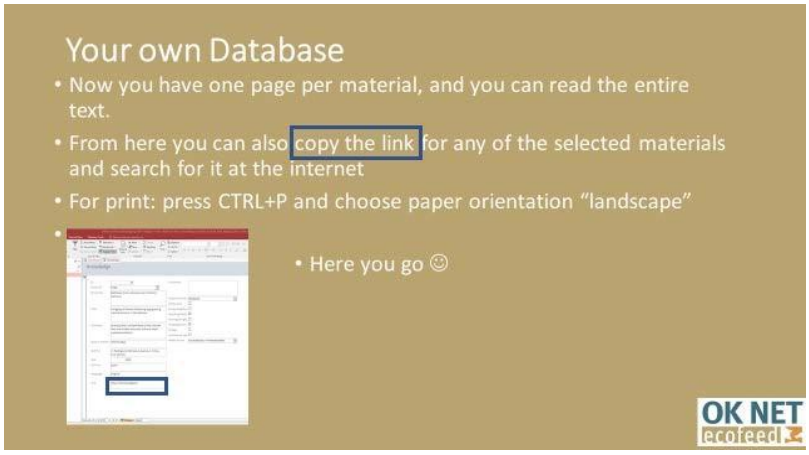
- To be able to read the entire text in all boxes you need to put the selected material in another form: Klick "create" in the red ribbon on top of the table.

- Click "form Wizard" below the red ribbon. A new box appears.

Your own Database

- A new box appears
- click the doubble arrow >> to selct all fields
- Press "next"
- Press "next"
- Press "Finish"

- Now you have one page per material, and you can read the entire text.
- From here you can also copy the link for any of the selected materials and search for it at the internet
- For print: press CTRL+P and choose paper orientation "landscape"



V. Good luck using the database

Do not hesitate to ask Merete if you need help or if you have good ideas for improving the database.

Mail: Merete.studnitz@icrofs.org