Organic Knowledge Network on Monogastric Animal Feed
OK-Net EcoFeed

Mapping existing scientific and advisors’ Knowledge

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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.
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.
D2.1 – Mapping existing scientific and advisor’s knowledge

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(@)crofs.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:

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:

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

- Find the read only version of the database in the OK-Net EcoFeed dropbox, WP2, named: OKNet_EcoFeed_Mapping_Table_11_July_2018
- Open the database by double click
- Open the database by double click at Knowledge: Table1 in the left column
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. Under 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. Under 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.
D.2.1 – Mapping existing scientific and advisor’s knowledge

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. Click “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 double arrow to select 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](mailto:Merete.studnitz@icrofs.org)