

# Migrating to & implementation of ICIS

## Experiences of Nunhems

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# Implementing ICIS in Nunhems



- Migration of data into ICIS
- Training of users
- Creating Crop/User specific output
- Support to users
- Conclusions

# Migration of data into ICIS

- Three kinds of data migration (Nunhems):
  1. From old relational database (AS-400)
  2. From Excel / Access
  3. From written field books

     *(1 and 2 data input direct in GMS tables, for 3 manual input via SetGen)*
- For all of these three groups data are in less good (=read: uniform) format as users think by themselves



# Migration of data into ICIS

## - GMS:

Unknown Female Parent: Fem1
Unknown Male Parent: Mal1
Cross: Cross.101 ( = Fem1 / Mal1)
Derivative Line: Cross.101-1-2-3-4-5-6-7

**RAS-B** (=old database Nunhems)

| MATCD | | FEMCD | MALCD | ORICD |
|---|---|---|---|---|
| 100 | | 0 | 0 | 0 |
| 200 | | 0 | 0 | 0 |
| 300 | | 100 | 200 | 300 |
| 400 | | *350* | 0 | 300 |

**ICIS**

| GID | PROGN | GPID1 | GPID2 | |
|---|---|---|---|---|
| -100 | -1 | 0 | 0 | |
| -200 | -1 | 0 | 0 | |
| -300 | 2 | -100 | -200 | |
| -400 | -1 | -300 | *-350* | |



# Migration of data into ICIS

## - DMS:

- Add always **after** GMS is entered
- Add always via WorkBook
  - Most DMS data from breeders are in Excel-format and organized by trial (~List ~ Study)
  - Table structure to complicated to insert (migrate) data direct in tables

# Training of users



- We did NOT manage to train people of several breeding teams / crops at the same moment.
- Switched to training Crop by Crop !
- Use of TEST-database with OWN crop data (copy of live-database)
- Trainer should speak "language" from user (=breeder), should have green fingers

# Creating Crop/User specific output

- Be keen on OUTPUT formats. When users are able to get data IN the system, they also like them to get it OUT
- Pre-defined output via RTV (buttons)
  - General reports and labels
  - Crop specific reports and labels
- Flexible MainQuery Output (ICIS-4) and/or query-ing on linked views/tables is **difficult** for most users

  (in ICIS-5 much improved !)



# Support to users
(during and after implementation)

- Reserve time for helpdesk, respond **fast**
- Be sure that helpdesk/support is easy accessible
  - Offices in same building
  - Possibility to shadow screens (distance)
  - Plan follow-up visits as part of implementation for users on distance
- Helpdesk should speak "language" from user (=breeder), should have green fingers

# Conclusions

- Breeding programs can be very complicated, **ICIS is able to handle them**, but be aware that implementation of ICIS will take quite some effort. This is much different from any eg. Photo-editor that you download from the web and is ready to use
- Reserve resources IN the users-department to assist in migrate, train and support end-users. Try to appoint an functional Application Manager / Specialist



# Thanks