





THE ISIC DATABASE



THE ISIC DATABASE

- **Why a mutual database?**
- **How is it organized?**
- **What data is necessary?**
- **What should we avoid?**
- **Typical errors**
- **How and when to send data?**



THE ISIC DATABASE

- **Pieter A Oliehoek started to collect the data in 1998.**
- **Mean Kinship and Cluster Analysis in the Icelandic Sheepdog as a Small Population (published 1999)**
- **Genetics Selection Evolution.**
- **Online Magazine www.gsejournal.org/content/41/1/39**
- **Authors: Pieter A Oliehoek, Piter Bijma and Arie van der Meijde**



THE ISIC DATABASE

- **Dr. Per Erik Sundgren has given lectures both in Denmark and Iceland which he called:**
- **Dog breeding in small population – The Icelandic Sheepdog.**
- **The ISIC database was used in all these occasions.**
- **We are very lucky that scientists are interested in using our mutual database in their work. Dr. Per Erik even said that “The database is unique in all Europe”**
- **If we are going to make sure that scientists want to use it for the future, it must to be as **correct as possible.****



THE ISIC DATABASE

- **How is it organized?/What data is necessary?**
- It is in an Excel format in the way Pieter set it up in the beginning.
- **[ISIC DATA 2009](#)**
- **It has 33 different fields, where 6 fields are absolutely necessary:**
 - **Registration number of the dog**
 - **Name of the dog**
 - **Gender/Sex H (male) or T (bitch)**
 - **Date of birth, format: dd.mm.yyyy**
 - **Registration number of the father**
 - **Registration number of the mother**



THE ISIC DATABASE

- **The registration numbers:**
- **Iceland: ISnnnnnn/yy changed in 1999** (some countries are still using the old numbers nnn-yy)
- **Sweden: Snnnnn/yyyy** (Snnnnn/yy before the year 2000)
- **Denmark: DKnnnnnn/yy**
- **Norway: Nnnnnnn/yy** (note, zero and O are not the same)
- **Finland: FINnnnnnn/yy**
- **Holland: NHSBnnnnnnn – NSHBnnnnnnn**
- NHSBG1(G2)-nnnnnnnn NHSBBijlG2-nnnnnnnn NHSB_A1



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- **The registration numbers:**
- **Germany: DCNH IH nnnnn/yy - DCNHyy_0066
LOF 000022**
- **USA: DL90230801 DN02544101**



THE ISIC DATABASE

- **Typical errors:**
- **Changing registration numbers**
- **A dog should always keep his original registration number given at birth "This is very important"**
- What we all have to think about concerning the International database is that we are looking at all the dogs in the database as one gene-pool and therefore it is so important that a dog is only registered once otherwise the results from inbreeding calculations will be wrong.



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- For example: if a dog is exported from Iceland to Denmark it should not be registered again there because it is already registered in Iceland. Only dogs born in Denmark are registered in there regarding to the ISIC database.
- But if this imported dog is used for breeding in Denmark it should still keep its first given registration number as a parent.
- **More errors:**
- **[ISIC DATA 2009](#)**



THE ISIC DATABASE

- **How and when to send data?**
- **It is best for the International data responsible person to get the data in The ISIC database format**
- **Just send needed data, don't send data that has already been sent.**
- **Data should be sent in May every year**



THE ISIC DATABASE



LatHunden

- There is another important thing that we all have to realize, and that is, that we have to use two different databases:
- The ISIC database and the LatHunden database.
- The ISIC database is for the ISIC countries to have data from all member countries in one gene-pool
- The LatHunden database is for all the dogs in each individual country both born there and imported.



LatHunden

- **Program by Dr. Per Erik Sundgren**
- **LatHunden is specially made for Breed Data from The Swedish Kennel Club**
- **Members off the SKK can get the files they need from the Kennel Club and import it diretly into The Program.**
- **Other users have to make their own Breed Data Files**



LatHunden

- **Members of SKK get 5 different files ready to use in LatHunden, they are:**
- **H = DOG REGISTER**
- **T = COMPETITION REGISTER**
- **V = VETERINARY REGISTER**
- **U= KENNEL REGISTER**
- **K= BREEDERS REGISTER.**



LatHunden

- **LatHunden comes with 10 different codes.**
 - TTYP
 - TTILLF
 - TBEN
 - TKLASS
 - TDOM
 - HFARG
 - HCHAMP
 - VKOD
 - HRAS
 - MH_TEXT
- **All these codes are used by the SKK but international users can of course register their own.**



LatHunden

- The 5 register files and the 10 different code files have to be imported into LatHunden when it starts for the first time.
- Detailed description of each register and code record type is found in the folder:
[Handböcker & Manuals/Postbeskrivningar](#)



HOW TO BUILD BREED DATA FILES

- The Dog register is the most important file the best way to make it is with Excel.
- In the folder “LatHunden 2006/Handböcker & Manuals/ User Data” there are empty Excel templates with standard set up for the Dog register
- The Dog register consists the following files:
 - Breed code – for Icelandic Sheepdog is 512
 - Dog ID – The registration number of the dog
 - Name – The name of the dog
 - Gender/sex – H= Dog or T = bitch
 - Champ1 Champ2 Champ3 Champ4 Champ5 Champ6



HOW TO BUILD BREED DATA FILES

- Birth date – in the format YYYYMMDD
- Breed specific data
- Fur structure
- Size
- Locked for breeding
- Testicle status
- Father ID The registration number of the father
- Mother ID The registration number of the mother
- Breeder ID
- Color code



HOW TO BUILD BREED DATA FILES

- We need to modify our own data so it fits The Dog Register template provided in LatHunden
- [Dog register.xls](#)
- When we have created the Dog Register we have to delete row 1 with the heading, and then save the file to DOS text file with the name H51201.txt
- The same thing needs to be done with the other registers
T = Competition register save as t51201.txt
V = Veterinary register save as v51201.TXT
U = Kennel register save as u51201.txt
K = Breeders register save as k51201.txt.



HOW TO BUILD BREED DATA FILES

- **Make a new folder and name it Breed Data xx.xx.xx. Where x stands for the actual date.**
- **Copy the 5 register files and the 10 code files to the Breed data folder. The 10 code files are located in "C:\LatHunden 2006\Handböcker & Manuals\User Data"**
- **The Breed Data is now ready**



LatHunden

- **Install LatHunden**
- **[LatHunden](#)**
- **It is possible to put it in any folder**
- **When the install is done you will find the application Lathunden.exe in that folder – click it! and the connect.**
- **When LatHunden opens you see a normal open-window, now select “new” then “save”**
- **LatHunden will now make a new empty datafile in a few seconds.**



LatHunden

- **When LatHunden opens again enter the licensekey**
- **Now LatHunden main windows opens**
- **In the left column select Import/Update Breed data and select Start Procedure and next OK**
- **Now find the folder where the Breed Data is in and select the first file and press open. LatHunden will now install the 15 different files from the Breed Data folder.**
- **Congratulations!!!! LatHunden is now ready to go.**