



# **Langtved Data A/S**

## **Newsletter**

No. 5

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## Introduction

In this issue we have the following topics:

- Genetics Lab System to be installed in Milan.
- Region North
- Region Mid Jutland
- Minimal Residual Disease Reporting
- Hearing Screening
- Problem Solvers Phase 2!
- Training
- LDB Desktop
- Product List
- Other News

We would like to take this opportunity of wishing our customers and business associates a Merry Christmas and a Happy New Year.

Tor Foss Mortensen  
Managing Director



## Genetics Systems

Langtved Data A/S has been selected to deliver a Genetic Lab System for a Hospital in Milan.

Although this is not the first time we are delivering a system in a foreign language (Our **Minimal Residual Disease Reporting System** in English has been available for some time), it is the first time that we will deliver a Genetics Database in the Italian language. The local lab department has kindly agreed to assist us in adapting screens, reports, and Word templates to Italian.

In addition, the usage of the Italian Personal Identification Number, **Codice Fiscale** and the adaptation of our database to the Italian legislation was a challenge. Italian law requires all personal data that may be used for identification to be hidden and **encrypted**.

This feature has been implemented in LDB Desktop version 8.8 and since we have a policy of passing all new developments on to our other users, encryption of specified fields in our databases is now an option for all users.

Among the many other interesting aspects of the order it should be mentioned that there will be an interface between an Italian laboratory system: **Metaforo Concerto** and the Genetic Lab Database

The final preparations before installation are being made as this is being written, and we expect to deliver around the New Year.

### **Region North (Denmark)**

The Genetics Database for Region North has now been implemented with no problems.

### **Region Mid Jutland**

In the late summer, we were made aware that one of our interfaces to transfer data from **Metasystems Ikaros** to the Genetics Database was not working properly.

It turned out that the users expectations were higher than the current solution could deliver. This was due to a misunderstanding on our parts, which we apologize for.

The new solution, which we deliver free of charge, will be more complex and involves more people than originally.

We have learned from this interaction to improve our follow-up on all projects, but also to make sure that the expectations of a customer are met in the specifications of a system.



## Minimal Residual Disease Reporting

### User Group Meeting

In October, a User Group Meeting was held in Århus with the participation of all the three Genetic Counselling Users in Denmark.

One of the important topics was the Pedigree prototype and further development of the software.

We have committed ourselves to using the NHS Pedigree documentation as part of a standard for the new software.

Another important topic was to improve the tracking of samples, sub-samples, and sample fractions.

The MRD software has during this autumn been part of a case study involving 8 test laboratories, in order to receive final validation before release. The test sites were distributed across Europe in the following countries: Denmark, Germany, United Kingdom, Finland and Turkey.

In the study, identical samples and the MRD software were sent on to the test sites, where the samples were analyzed and reported, using the program.

The study gave us an opportunity to evaluate the ease of installation and use of the program. Most of the test sites needed just a little support from Langtved Data A/S to get started, and in general the process and use of the program went smoothly. The experience from the study will be incorporated into our installation package.

The main advantage of the software package is to allow comparison of data produced in different laboratories by standardizing the calculation methods - and at the same time allowing for recalculation of the results using different methods.

The test study showed that in general this goal has been achieved, and as a result a paper on the outcome is being published.

The MRD Reporting program is based on LDB Desktop and is available free of charge for all members of The European Leukemia Net, an EU program for improvement of Leukemia Treatment.

Please contact Langtved Data A/S, if you are interested.



## Problem Solvers Phase 2

In the last issue we mentioned that we like to be problem-solvers or trouble-shooters and we mentioned that we solved a problem for one of our customers by being able to automatically feed data into a webpage and get calculated results back.

The study that originally included 4000 women was enlarged to encompass a large group of men and then 15,000 women.

The study group has now asked for a bid for a more permanent solution that can be run on a weekly basis.

## Hearing Screening

In May-June 2009 Langtved Data made an agreement with The Hearing Clinic, Odense University Hospital about the development of a Hearing Screening Database.

The objective was to be able to analyze the diagnostic process for the children that end up with an ordinary hearing aid or a Cochlear Implant (an advanced hearing aid for the severely hearing impaired and deaf).

The precise goal was to evaluate whether an optimization of the process was needed.

The investigation was a follow-up to the country-wide hearing screening started earlier.

The database was implemented in August, training of users was in October, and the database is now running. The database is used by the Hearing Clinic in Odense and the birthplaces department D in Svendborg and departments D and H in Odense, where the Hearing Screening is performed.

It is expected that the database will be used in other birthplaces and hearing clinics. A further advantage would be to get a uniform way of monitoring the clinical process.

We have had no problems during the development and implementation and we have only received positive feedback from the key users, doctors Rikke Schnack-Petersen and Henrik Bo Poulsen.

We thank the department for the trust they have shown us.



## Training

### Ad-Hoc Reporting

We have decided that – as part of the service agreement – each user group has the right to an annual one-day course in reporting or another LDB Desktop related topic. Therefore, two training sessions were held in October, one in Århus and another one at our offices in Odense.

During the sessions a lot of features that are not commonly known were discussed.

A subject of particular interest was how to calculate the length of a time interval between two dates.

Another one was how to generate and edit formatted reports that are generated from Ah-Hoc.

We have updated the manuals to include examples on how to use these features.

As the Ad-Hoc query generator becomes more advanced it is foreseen that we will need to have beginner and advanced courses.

## LDB Desktop

### Improvements in LDB Desktop 8.8:

- Encryption on database level secures data from being read by persons having access to the database server. The encryption secures that only persons with access to the LDB Desktop application can access sensitive data.
- Multiple databrowser windows. It is now possible to open multiple queries in the databrowser and shift between these seamlessly. This functionality is the basis of more functionality to come, navigating data.
- Improved generic search functionality. A search in the databrowser through the search button can now be configured to search the entire data tree. Multiple hits are displayed in the result grid and navigating to the exact data location is done by the click of a button.
- The listing of ad-hoc reports can now be sorted and information on creation and update times is now available.
- Improved logging and an enhanced log viewer.



## Product List:

Here are some features that should be on your Christmas Wish List:

- **Pedigree.** We offer an integrated family tree charting capability, primarily for Genetic Database users . A family tree can be constructed from family relationships in the database and enhanced with unnamed or unknown participants. Contact us for more information.
- **Central Personal Register Lookup (enhanced).** Expand CPR number to personal details. Applies only in Denmark.
- **Test Database and Training Module.** Almost all of our users have benefited from a test and training database. We would like to encourage new users to acquire a test and training database. It is very useful for getting an overview of how new features in LDB Desktop can be used, for testing self-developed reports and for training of new users without the risk of introducing errors in the database.
- **Training.** More training, especially for self-developing reporting is a common user need. We can tailor courses on both general and specific application orientated features.
- **Barcodes.** LD offers input through a barcode reader.
- **Automatic Updates of Lookup Tables.** We offer automatic import and updates of diagnoses, hospital details and practitioner details. Currently only available in Denmark.
- **Data from Metasystems.** Cytogenetic Data from Metasystems Ikaros may be automatically transferred.
- **Space Allocation in the Freezer.** The freezer table functions as space allocation / reservation in the freezer and can, of course, also be used for lookup of patient samples.
- **Automatic Update of the Danish National Patient Register.** This feature is offered to all hospital departments in Denmark.



## Other News

Langtved Data A / S has been a partner (**Independent Software Vendor**) with Microsoft for over 4 years. This means among other things that our products are certified to be used in conjunction with Microsoft's products.

This year we renewed our partnership with Microsoft again, and as a part of this process, LDB Desktop is certified for use with **Microsoft Windows 7** and **Microsoft Office 2007**.

## Merry Christmas

This will be the last newsletter this year. We will take this opportunity to wish all our customers a **Merry Christmas** and a **Happy New Year**.



### Company Details:

Langtved Data A/S

Tagtækervej 8, 4th floor  
DK 5230 Odense M  
Denmark

Read more about us on

[www.Langtved.eu](http://www.Langtved.eu)

Telephone: +45 6565 6586

E-Mail: [LD@Langtved.dk](mailto:LD@Langtved.dk)



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