

Tameus
Project meeting
Friday August 19, 2011, 10:00 - 17:00
Minutes

Participants: Böhlen, Bracher, Cafagna, Taliun

Agenda

- 10:00 - 12:15 Meeting of Böhlen, Bracher, Cafagna and Taliun.
- 12:15 - 13:15 Lunch at "Santa Lucia".
- 13:15 - 14:00 Meeting of Böhlen, Bracher, Cafagna and Taliun.
- 14:00 - 15:00 Meeting on the Up-To-Date Summaries and Demo. Participants: Bracher, Taliun and Zoppi.
- 15:00 - 16:00 Meeting on the Data Import, Animal Density. Participants: Bracher, Cafagna and Taliun.
- 16:00 - 16:30 Meeting on the Feed DB online Application. Participants: Bracher and Cafagna.

Fixed/Started TODO's from 15.7.2011

- Data collection and import (Bracher):
 - amino acid profiles and lims codes of the feeds are present;
 - data on the animal density is available, however, with strict permissions to use;
- New student projects and logos (Taliun):
 - several variants of the new logo are prepared;
 - description of the student project on amino profiles:
 - Started but not finished.
- Geo application, import of the new data (Cafagna):
 - Some data is inconsistent so just one part will be loaded.
 - Not done.

Migration to Temporal Feed Database (TFMDB)

- Our goal is to have one database instead of current two.
- New TODO's:
 - import all available data with and without spatial information (Cafagna):
 - the main challenge is misclassified/unclassified data which in many cases can be only determined manually from the description;
 - introduce constraints to filter out query results (Cafagna);
 - an online approach to continuously update the database with new data (Cafagna);
 - import pre-aggregated measurements as a separate table (Taliun);
 - extend the web interface with information and links from the current one (Taliun);
 - as the last step, change the domain name to feedbase.ch.

Data Quality

- The list of criteria prepared by Bracher mentions crucial points which some of them were discussed during the meeting;
- Criteria falls into one of the two classes:
 - statistical properties of the data:
 - percentage of missing values at various aggregation levels;
 - entropy.
 - how good the data model describes the real world:
 - accurate feed categories;
 - declaration of chemical-analyses methods;
 - declaration of calculations and formulas;
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- New TODO's:
 - on the next meeting discuss the improvement of the data model;
 - prepare individual tasks that can be organized into a student project(s), all person are contributing.

Example, Killer Applications

- Issues and Questions:
 - What are the most interesting queries that show the best the advantage of the feed database?
 - How can we communicate the importance of such queries?
 - Which queries the best support new data (geographical, temporal, animal density and etc)?
- Future Steps:
 - In the next meetings explore current version by trying out different queries;
 - Present the application to researches in Agroscope (Bracher);

Maintenance. Open and New TODO's

- acknowledge SNF support on Tameus Web Page (Taliun);
- updates on the student projects (Taliun);
- up-to-date wish list (Cafagna);
- permissions to use and put data online;
- examples of problems without solutions (Bracher);
- there are couple of bugs in the temporal and current web applications (Cafagna and Taliun).

Student Projects and Thesis

- GeoTemporalDatabase, Kristin Kruse supervised by Cafagna
 - Start: 1.5.2011; End: 31.8.2011
 - Status: The software has been done and the student is completing her thesis.
- Online Formulas Evaluation, Hannes Tresch supervised by Cafagna
 - Start: June 2011; End: 30.11.2011
 - Status: Dead-Locked. The datawarehouse is too big for the queries. We need to unlock this situation.
- Up-to-Date Summaries, Samuele Zoppi supervised by Taliun
 - Status: finished at 25.8.2011;
 - Results: integrated into web application and currently is offline; shows the scalability to use regressions for online computation of aggregates; positive feedback from Bracher.

Further Student Projects

- Master Project:
 - done by the group of students, Zoppi is communicating with students to form the group;
 - duration 6-12 months;
 - starts in February, 2011;
- Master-Basismodul:
 - student S.Zoppi;
 - duration 3-4 months;
 - starts next semester.

Plan for Meetings

- FR 16.9 10-17, ifi uzh
- FR 21.10 10-17, ALP Posieux
- FR 18.11 10-17, ifi uzh
- FR 16.12 10-17, ifi uzh
- FR 20.1 10-17, ifi uzh, 1st Tameus workshop
- FR 17.2, 10-17, ALP Posieux