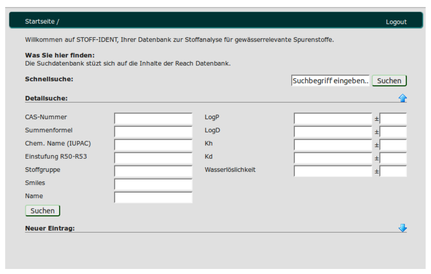
GEFÖRDERT VOM
Bundesministerium für Bildung und Forschung

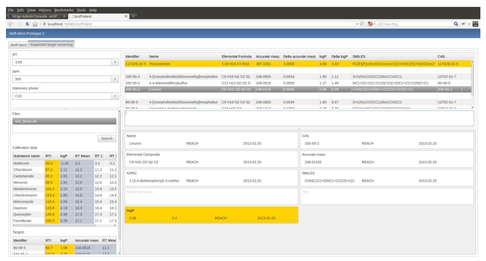
Platform objectives and current status

FOR-IDENT

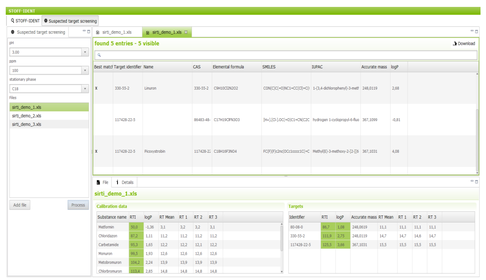
Evolution – started as a student project, evolving into an integration platform



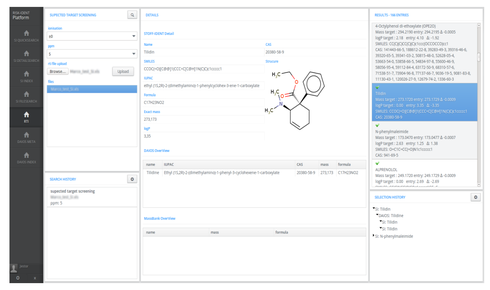
Student study STOFF-IDENT



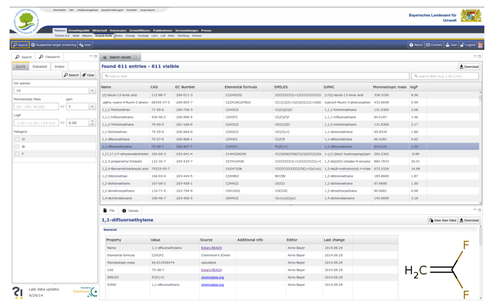
First STOFF-IDENT prototype



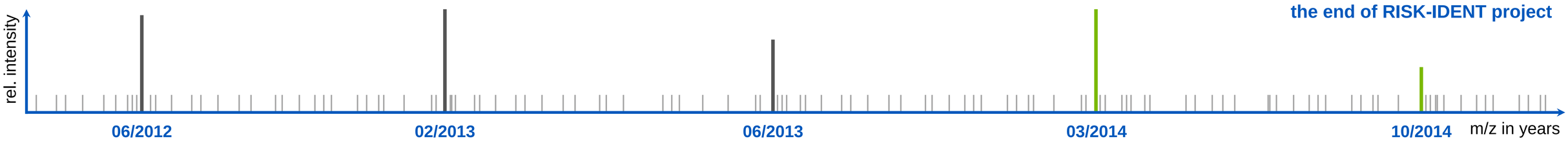
Second STOFF-IDENT prototype



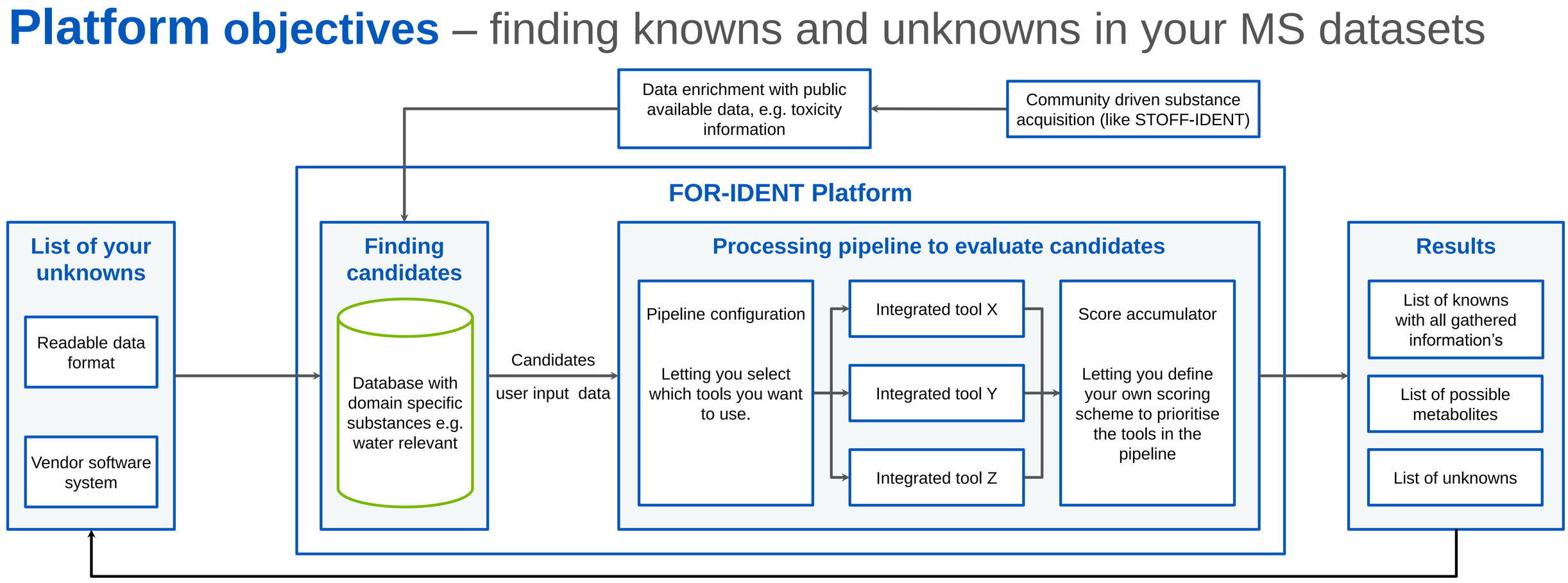
First FOR-IDENT prototype



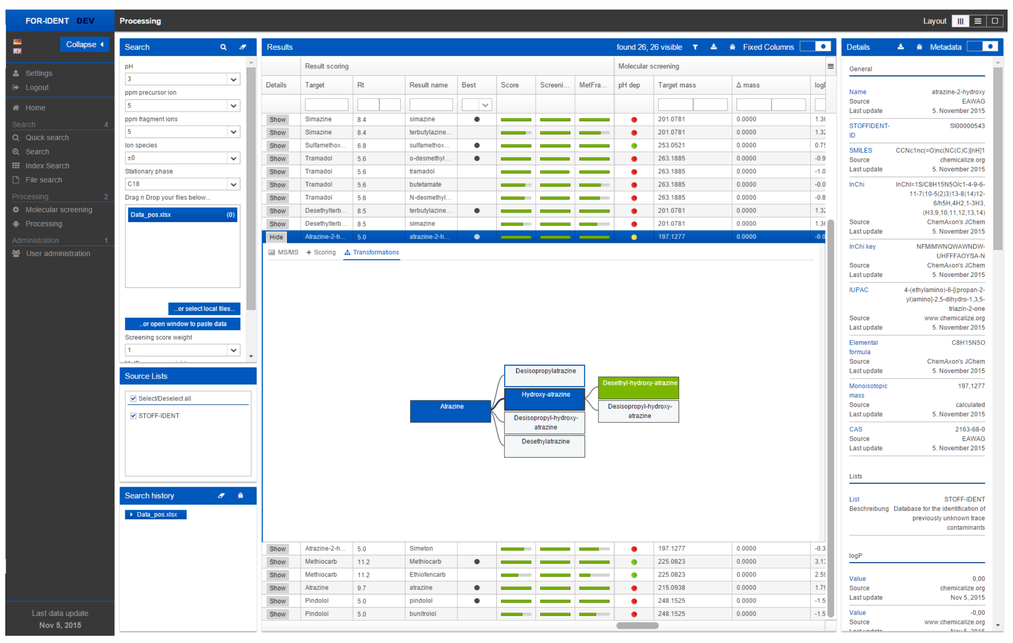
Final version of STOFF-IDENT at the end of RISK-IDENT project



Platform objectives – finding knowns and unknowns in your MS datasets



Status quo – integrating powerful tools and data sources to build a strong team



Let's introduce ourselves: We are the FOR-IDENT Platform, STOFF-IDENT Database, Score, MS/MS and Transformation tree.

Together we build the FOR-IDENT Platform team, small right now but with huge expansion plans. Our developers work hard to integrate new team members.

I'm the platform, providing the other team members a home, feed them with data and enable the communication with the users.

I'm the STOFF-IDENT database, building the base of your known water relevant substances. Will work all day long to stay up-to-date and providing relevant data you.

After the database search, I, the retention time index, come into account. Ranking the search results based on the log_D and the calibration data with retention times and log_D's of known substances you provided to the platform. Maybe we met before in the STOFF-IDENT application.

I'm the MS/MS. I'll take your provided fragments and compare them to created fragments of the target substances found in the STOFF-IDENT database. I will compare the fragments and give a score to the targets. How I will do this you ask? Well, have a look at http://msbi.ipb-halle.de/MetFrag/

I'm the score. Taking all scores and information together and building a ranking which will help you to identify substances.

Still unknowns left? So maybe I can help you. I'm the transformation tree. Like any tree, I have a root, which is a found and known substance. With each branch I can provide you more possible metabolites. Checking back with these, we can identify more substances together. Getting feed width data from DAIOS right now, I will spread my roots to get other sources, helping you to get better results.

BMBF Forschungsprojekt FOR-IDENT, Marco Luthardt, Tobias Placht, August Gilg, Prof. Dr. Frank Leßke

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