

KNIME News

2012 was a great year with new employees joining the KNIME team in Zurich and a growing KNIME community not to forget the latest KNIME release 2.7. Key features of the new release include a missing node placeholder, improved database support, a set of new R nodes for moving R workspaces through your flow, new Quickform nodes to enable intermediate data views in our Enterprise Server and of course many updates in the Community and Labs extensions.

For a fast high level overview, check out the What's New section of our website (<http://tech.knime.org/whats-new-in-knime-27>) or the changelog, located on this page: <http://tech.knime.org/changelog-v270> Or better yet, go to our Resources/Download area and try it out for yourself. With this strong foundation, we wish everyone happy and successful KNIMEing in 2013, the official "Year of Analytics" and we look forward to seeing you at the 6th KNIME User Group Meeting in March! You can register on our website: <http://www.knime.com/ugm2013>

KNIME User Day Italia: the first of many!

The first country specific KNIME user day was held in Milan, Italy, on 9 October to bring together KNIME experts, power users, basic users, and also people who were simply curious to learn more about KNIME and its applications. The day was a huge success bringing 42 enthusiastic KNIME fans together and packed with technical presentations, KNIME updates and networking opportunities. "The support and participation of the KNIME community was incredible," said co-organizer



KNIME in Italy

"Following the success of this first local KNIME User Day, we plan to organize a series of related events this year. It is not only important in order to support the local communities but it is also exciting for us to meet some of our most loyal users in person!" comments Michael Berthold from KNIME. If you would like to organize a KNIME User Day in your own town, please let us know!

Phil Winters. "It shows that KNIME is becoming not only more popular but more established. What was particularly inspiring was how the KNIME community helped inform all those that were new to KNIME about its features and capabilities."

The highlight was the 5 KNIME user papers covering everything from risk analysis to modern drug discovery to a presentation showing how to process all of the Wiki-leaks with KNIME (we will definitely include an example in a future article!). The user group was started thanks to two enthusiastic KNIME users, who approached the KNIME team to pull together an outstanding day, which all attendees agreed must be repeated. As one attendee said, "Thanks again for the chance you have given me to be part of this great experience!" In summary, the first KNIME User Day Italia was a great chance for learning, sharing and networking. Many thanks to the or-

ganizers, the highly qualified speakers, and the receptive and enthusiastic KNIME user community. If you have ideas on how your region could bring the community together for a KNIME user day, please contact info@knime.com - KNIME.com would like to support you! *Arrivederci e alla prossima!*

DRI—the latest KNIME Partner adds strong CRM and social media expertise



DRI is a consultancy specializing in CRM and Social Media services, originally based in Portugal with offices across Europe and now in the USA. Famous for their work in the open source world as well as with international CRM experts for the "CRM IDOL" award, they are also KNIME's latest partner. Diogo Rebelo, CEO of

DRI, explains why they chose KNIME.

"It's no longer enough for a company to have a great operational CRM and website. Customers expect a personalized service - know me, know what I want, make it easy for me to work with you," says Diogo. "To do that, you need to understand them by creating new insight about them through the massive quantities of data you are collecting in your operational systems. That takes experience, which we have in our organization, and a strong data mining platform to open up data, methods and ways of applying that data. KNIME fits the bill perfectly."

DRI has proven that open source tools in other areas are at least as strong and powerful as commercial offerings. "And we see KNIME fitting in ideally with our open source philosophy," says Diogo.

Well known for their work in the social media area, Diogo continues, "We are working with customers to incorporate the vast quantities of social media data using KNIME's text mining and network mining capabilities. Extremely valuable new insight is produced, which is not only being used by commercial organizations but also by government agencies to establish advanced cyber security." You can learn more about DRI by visiting their website: <http://www.dri-global.com>



6th KNIME User Group Meeting

Following the success of the KNIME UGM in 2012 our 6th KNIME User Group Meeting will be held from **March 6-8, 2013**. With extra workshops and training sessions taking place before and after the UGM we are able to cater to both beginners to KNIME and developers interested in learning about KNIME's very core.

Register NOW!

Check out the KNIME UGM page of our website for more detailed information about the program and social events, which will be a great opportunity to mingle with the KNIME community.

<http://www.knime.com/ugm2013>

KNIME TV & Twitter

KNIME is pleased to announce the launch of our new, dedicated YouTube Channel. Please visit KNIMETV to view our latest webcasts.

<http://www.youtube.com/knimetv>



The community is also invited to follow KNIME on Twitter. 130 character Tweets about KNIME news are already permeating the Net.

Our Twitter ID is: KNIME

Upcoming Training Dates

KNIME Basic Training (Before the KNIME UGM)
March 4-5, 2013
Technopark,
Zurich, Switzerland

KNIME Developer Training
March 11-12, 2013
Technopark,
Zurich, Switzerland

For more information visit:
<http://www.knime.com/events>

2nd Annual KOS Days on Lake Constance

Hosted by the University of Konstanz, the second annual KNIME Open Source (KOS) Days took place in Konstanz, Germany on September 3 – 7. Thirty attendees from various companies, research centers and universities from around the globe, as well as developers from nine different projects, spent a week together with the KNIME development team.

Besides extensive programming, debugging and several presentations by project developers, the KNIME Team gave insights into recent KNIME developments and concepts. The most notable discussions were support for file cells and the new streaming API along with general KNIME/Eclipse development guidelines regarding the use of extension points and the proper set-up of plug-ins. In addition, a number of new projects were made available during the week: particularly worthy of mention is a node for self-tuning association rules. “Having the right people present was crucial, definitely the best component of the workshop. Learning from the “insiders” was wonderful.” says Jose Balcazar from Universitat Politècnica de Catalunya, who contributed the association rule mining node. The presentations from the event are available on the KOS-Days webpage at <http://www.knime.org/about/past-events>. The community contributions are available on <http://tech.knime.org/community> and can easily be installed via an online update site.



KOS Days, Konstanz University

KNIME in Boston

The objective was to hold an event for the entire KNIME community in the USA with an added specific focus for our major community contributors in the greater Boston area. Microsoft was kind enough to provide us their “NERD Center”, which has become known as a hub of activity for the local tech community.

The program included presentations about what’s new in KNIME as well as developments in the Enterprise segment.

The community session was a wonderful opportunity for people to see how our Life Science Partners add the chemoinformatics capabilities in order to use KNIME in a scientific environment and join data, tools and science.

KNIME developers were available for questions and discussion during the breaks.

At a later session during the afternoon we tried something totally new and demonstrated some hardcore data mining LIVE in KNIME. This was an exciting event for us too!

It was followed by some excellent presentations given by our partners, ChemAxon, BioSolveIT and Schrödinger. The event was preceded by a Meet&Greet evening at the Cambridge Brewing Company. We hope everyone enjoyed the event and we look forward to more on the other side of the Atlantic in 2013!

Tips and Tricks—What is new in KNIME: Quickforms

Did you know that as of version 2.6, KNIME features a very extensive Quick Form category? Quickforms cover two aspects of the KNIME software: they introduce parameters of different types to a workflow and they allow the user to control the parameter values via a mask. There are many Quickform nodes that can be used to produce Boolean, String, Integer, Double, path to file, texts, as well as more flow variables (see Figure on left). Each Quickform node produces a dialog mask for the user to insert/select the desired value, similar to its configuration window. Many different dialog masks are available, depending on the Quickform node’s task – for selection or filtering, value(s) inserting, file uploading/downloading, for example. The dialog mask becomes visible when the Quickform is contained in a meta-node and during step-wise execution on the KNIME Server.

Quickforms in Meta-nodes

If a meta-node contains one or more Quickform nodes, this meta-node becomes configurable, i.e. the Configure option of its context menu becomes active. The meta-node configuration window shows a combination of the dialog masks of all its Quickform nodes. The Figure on the right shows the configuration window of a meta-node containing a Value Selection Quickform node and a Multi Selection Quickform node.

Note that the Weight parameter in the Quickform’s configuration window defines the relative position of its mask in the global mask.

Quickforms in the Web Portal Execution Wizard

Finally, when executing the workflow on the Web Portal, the execution wizard steps through all the Quickform masks waiting for input. The Figure on the left shows the same mask of the meta-node above, encountered during workflow execution on the Web Portal of the KNIME Server. It is worth mentioning that playing with Quickforms in meta-nodes together with the Weight setting enables you to build a flexible, informative and complete GUI for your workflow.

