Spring Summit 2016
Welcome & Opening

Michael Berthold
KNIME
From a small User Group Meeting to a much larger Summit...
#245 (+27) Attendees in 2016!

#200: Luigi Di Domenico!
Overflow...?
Attendees from Around the World
KNIME Spring Summit 2016 Age Distribution

- a: Young (<=30)
- b: still Young (<=40)
- c: so so Young (<=50)
- d: almost still Young (<=60)
- Phil and the Others
A Special Thanks...

8* Taka (scared?)
8* Greg (disqualified)
7* Jean-Christophe!
6* James Davidson
  Eugen Derety
  Oliver Gathmann
  Klaus-Peter Huber
  Nils Weskamp
A few 2015 Highlights.
Gartner Recognition
New KNIMErs!

Our Berlin Office is Growing:
• Oleg Yasnev
• Björn Lohrmann

New in Zurich/Konstanz/(Heidelberg):
• Jon Fuller
• Heather Fyson
• Iris Adä

2015 Production Babies: Lucy, Leo, Betty, and Tobias
New in Konstanz
Soon new in Berlin...
One more Peak into 2016...

New in Zurich:

• Greg Landrum
Advances in 2015 and Plans for 2016 (and beyond)
2015 in a Nutshell

“Almost every KNIME customer mentions the platform's flexibility, openness and ease of integration with other tools.”

CRISP-DM

(source Wikipedia)
CRISP-DM...

...and Flexibility
KNIME® Analytics Platform Version 3.0!
CRISP-DM...

...Openness and Ease of Integration
Integrations: Tool Blending
Integrations: “Visual SQL”
New Integrations: Big Data Tool Blending

“Big Data Labs” talk after lunch!
CRISP-DM...

...and Deployment to Machines:

to interactive Visualizations:

Zementis
Adaptive Decision Technology

TIBCO Spotfire®
CRISP-DM...

...and **Analytics** Deployment to Business Analysts!?
CRISP-DM...

...and Analytics for the Masses

Step 1: Data Scientist

Step 2: Data Preparation

Step 3: Evaluation

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CRISP-DM and Analytics for the Masses
CRISP-DM and Data Citizens

...and then some magic happens
CRISP-DM and Guided Analytics

Analytics Consumer

Data Scientist

- Business Understanding
- Data Understanding
- Data Preparation
- Modeling
- Evaluation
- Deployment
Guided Analytics

Analytics Consumer

KNIME WebPortal

Data Scientist

Explanations

Analytics with Interaction Points

Feedback
Guided Analytics

Data Scientist

• designs workflow with interaction points...
• ...which provide sufficient flexibility to incorporate user focus.

Deployed to Analytics Consumer as an easy UI with

• appropriate abstraction level for his/her level of expertise...
• ...by hiding unnecessary complexity.
Guided Analytics

Later today:

Rosaria Silipo and Phil Winters: “Guided Analytics in Action”
2016 and Beyond.
Predicting the Future of Analytics is Hard

Yesterday

- small, structured, static

Data Analyst, Statistician

Today

- BIG, machine generated, heterogeneous

Data Scientist, Business Analyst

Data Mining, Deep Learning

Tomorrow

- fluent, too much to store

...Data Citizens, ???, Guided Analytics

interactive, adaptive

Statistics, Machine Learning

Analytics is about
- discovering insights and
- predicting futures
with
- yet-to-be-invented tools
and
- yet-to-be-collected data
...giving Business Analysts access to Data Science.
KNIME – Where to?

...yet-to-be-invented tools... ⇒ Continue Integrations
- Consolidate Big Data “Wild West”
- Blending Data and Tools

...yet-to-be-collected data... ⇒ Continue Move into Cloud

...giving Business Analysts access to Data Science. ⇒ Continue to improve Interactions
- Add Flexibility to Guided Analytics Workflows
“Almost every KNIME customer mentions the platform's flexibility, openness and ease of integration with other tools. [...] KNIME continues to receive among the highest customer satisfaction ratings...”

The Summit Agenda.
Changes and Highlights.
Wednesday, February 24

9:00  Registration & Breakfast

Opening & KNIME Session
10:00  Welcome & Introduction
      Michael Berthold (KNIME)

10:30  What’s New in KNIME
      Bernd Wiswedel (KNIME)

Special Session
11:30  KNIME and Machine Learning at Amazon
      Ralf Herbrich (Amazon)

12:00  Lunch Break

KNIME Session (contd.)
13:00  What’s Cooking in the KNIME Labs
      Bernd Wiswedel (KNIME)

13:30  What’s New and Cooking in the KNIME Big Data Labs
      Tobias Kötter & Björn Lohrmann (KNIME)
## Poster Spotlights

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Host: Phil Winters (KNIME)</td>
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<tr>
<td>14:30</td>
<td><strong>Afternoon Break</strong></td>
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## Session I

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 15:00 | **Big Data@Siemens – A KNIME Story**  
Jan Pospisil (Siemens) & Tobias Kötter (KNIME) |
| 15:30 | **Transforming Consumer Data into Actionable Insights**  
Benjamin Spiegel (MMI Agency) |
| 16:00 | **Short Break** |

## Special Session

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 16:15 | **Guided Analytics in Action**  
Rosaria Silipo & Phil Winters (KNIME) |
| 17:00 | **End of Day 1 Talks** |
Walk & Dinner

18:00  Meet at the Registration Desk if you would like to walk together to the Reichstag Building. There is time between 18:30 and the start of the dinner to visit the Reichstag “Kuppel”.

19:30  KNIME Spring Summit Dinner in the Reichstag Building, German Bundestag
      Please remember to bring your ID with you in order to access the Reichstag Building.
Thursday, February 25

8:00  Registration & Breakfast

Session II
9:00  Just in KNIME: Successful Process Driven Drug Discovery
      Mike Mazanetz (Evotec)

9:30  Leveraging Open Chemogenomics Data and Tools with KNIME
      George Papadatos (European Bioinformatics Institute)

10:00 Chemistry in Documents – How to Leverage its Value with KNIME
      Matthias Negri (Boehringer Ingelheim)

10:30 Morning Break

Session III
11:00 Model Training and Android Deployment for Health Monitoring
      Dominique Genoud (HES-SO)

11:30 KNIME and the Web – Extract, Test, Automate
      Philip Katz (LINEUPR)

12:00 Dockerizing KNIME – Recipes for a KNIME Cocktail (Master of KNIME Presentation)
      Brian Muchmore (Pfizer-University of Granada-Junta)

12:30 Lunch Break
No Partner Session this year, but they are here!

Life Science:

Other Cool Tech:

Consulting:

(*) ...showing demos: many more are in the audience!
### Thursday, February 25 (cont.)

#### Session IV

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30</td>
<td>The Universal Model: Enabling the Business through Best in Class Open Source</td>
<td>Rutao Luo (Comcast)</td>
</tr>
<tr>
<td>14:00</td>
<td>Preparing Publishers for Editorial Board Meetings – Automated Delivery of Reporting with use of R and KNIME Server</td>
<td>Albert van Duijin (Elsevier)</td>
</tr>
<tr>
<td>15:00</td>
<td><strong>Afternoon Break</strong></td>
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#### Session V

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>Newsletter Optimization to Harness Hidden Potential in Data</td>
<td>Philipp Seifert (Walbusch)</td>
</tr>
<tr>
<td>16:00</td>
<td>KNIME in Production – Development and Deployment of Reusable Models for the Industrial Internet</td>
<td>Björn Arnold (Bosch Software Innovations)</td>
</tr>
<tr>
<td>16:30</td>
<td><strong>Short Break</strong></td>
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</tbody>
</table>
### Thursday, February 25 (cont.)

**Special Session**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>16:45</td>
<td>Measuring Variable Importance with Target Shuffling</td>
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<td></td>
<td>Dean Abbott (Abbott Analytics)</td>
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<tr>
<td><strong>17:30</strong></td>
<td>End of Day 2 Talks</td>
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<tr>
<td>17:30</td>
<td>KNIME Lounge and IPA Beer Tasting</td>
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Note that Dean will talk until 17:30!
## Friday, February 26: Workshops

<table>
<thead>
<tr>
<th>Time</th>
<th>Coffee &amp; Snacks</th>
<th>Workshops: 9:00-10:30</th>
<th>Instructors</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td></td>
<td></td>
<td>KNIME Big Data Workshop</td>
<td>Köpenick, 3rd floor</td>
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<td></td>
<td></td>
<td>SeqAn and OpenMS (CIBI/de.nbi) Integration Workshop</td>
<td>Tobias Kötter &amp; Björn Lohrmann (KNIME)</td>
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</tr>
<tr>
<td>9:00-10:30</td>
<td>Workshops: S Rooms: 3rd Fl 4th Fl</td>
<td>KNIME Image Processing Workshop</td>
<td>Alexander Fillbrunn (University of Konstanz)</td>
<td>Kreuzberg, 3rd floor</td>
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<tr>
<td></td>
<td></td>
<td>Creating Workflows for Drug Discovery with Open PHACTS and KNIME</td>
<td>Christian Dietz &amp; Martin Horn (University of Konstanz)</td>
<td>Friedrichshain, 4th floor</td>
</tr>
<tr>
<td>10:30</td>
<td>Coffee Break</td>
<td>Workshops: 11:00-12:30</td>
<td>Instructors</td>
<td>Room</td>
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<tr>
<td>11:00-12:30</td>
<td>Workshops: S Rooms: 3rd Fl 4th Fl</td>
<td>KNIME Big Data Workshop</td>
<td>Tobias Kötter &amp; Björn Lohrmann (KNIME)</td>
<td>Köpenick, 3rd floor</td>
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<td></td>
<td></td>
<td>Custom Model Assessment: Moving Beyond PCC and MSE</td>
<td>Dean Abbott (Abbott Analytics)</td>
<td>Kreuzberg, 3rd floor</td>
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<td></td>
<td>High Content Screening Analytics with KNIME (HCS Tools &amp; Community R Scripting Integration)</td>
<td>Antje Janosch (MPI-CBG Dresden)</td>
<td>Friedrichshain, 4th floor</td>
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<tr>
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<td></td>
<td>KNIME Server Workshop</td>
<td>Jon Fuller (KNIME)</td>
<td>Charlottenburg, 4th floor</td>
</tr>
<tr>
<td>12:30-14:00</td>
<td>End of Spring</td>
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</tbody>
</table>
Thank You and... Have Fun!

#Amazon
#Basic Guided
#Chemistry How to smell Full
#DataMining How to sniff Big Data
#Documents Labs server, Exploring #Bigdata Download projetos, Cookbook
#Importance Measuring & Extensions #DataAnalytics Potential #Automate Big pre-Summit Better
#PasanoLikeObligado see Forest #DrugDiscovery Recommendation Bosch Newsletter SessionAutomated people Berlin.
#Redshift PMI, Seus Grove #Exctract Seltmanka Data Do #Excelliteles Market, ... Academy do I Be
#Target Registration some Hadoop Story Migrating Exporting third Connectors @drielvogt Just you @kratselvogt para @druggists
#Tutorial Shuffling support Leveraging #KNIME... Successful See First time infos that Analytics @JonathanCFuller Gartner within @georgeisyourmanos at hotonworks
#Variable Starting tempo Limits #MachineLearning Take Server KNIME® tomorrow show page #header now start advanced 22-23 Engines video @YouTube open @Hadoop
#Jaction Tage today Next #MarketingAnalytics UGM User New v1.3 panel @Action #Spring #Gartner eye standards @ #P... Driven Speaker @SISTEK 24th now @deanabb
value Pendulum advantage Zemelis Open workflow post-event @SoftwareAG #Summit #analytics space 2/24 comments speed 24th #knime Building professional @JG72 inches node

#datascience
#KNIMESummit2016
#Berlin
#bigdata
#Meet
#knime case sharing #server much advanced #BigData before run #saas #KNIMESummit2016 - an row #products #Excel Basket people's @Mallenmannucci after ready #features #Data... Analysis offers @Cettina leverage

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