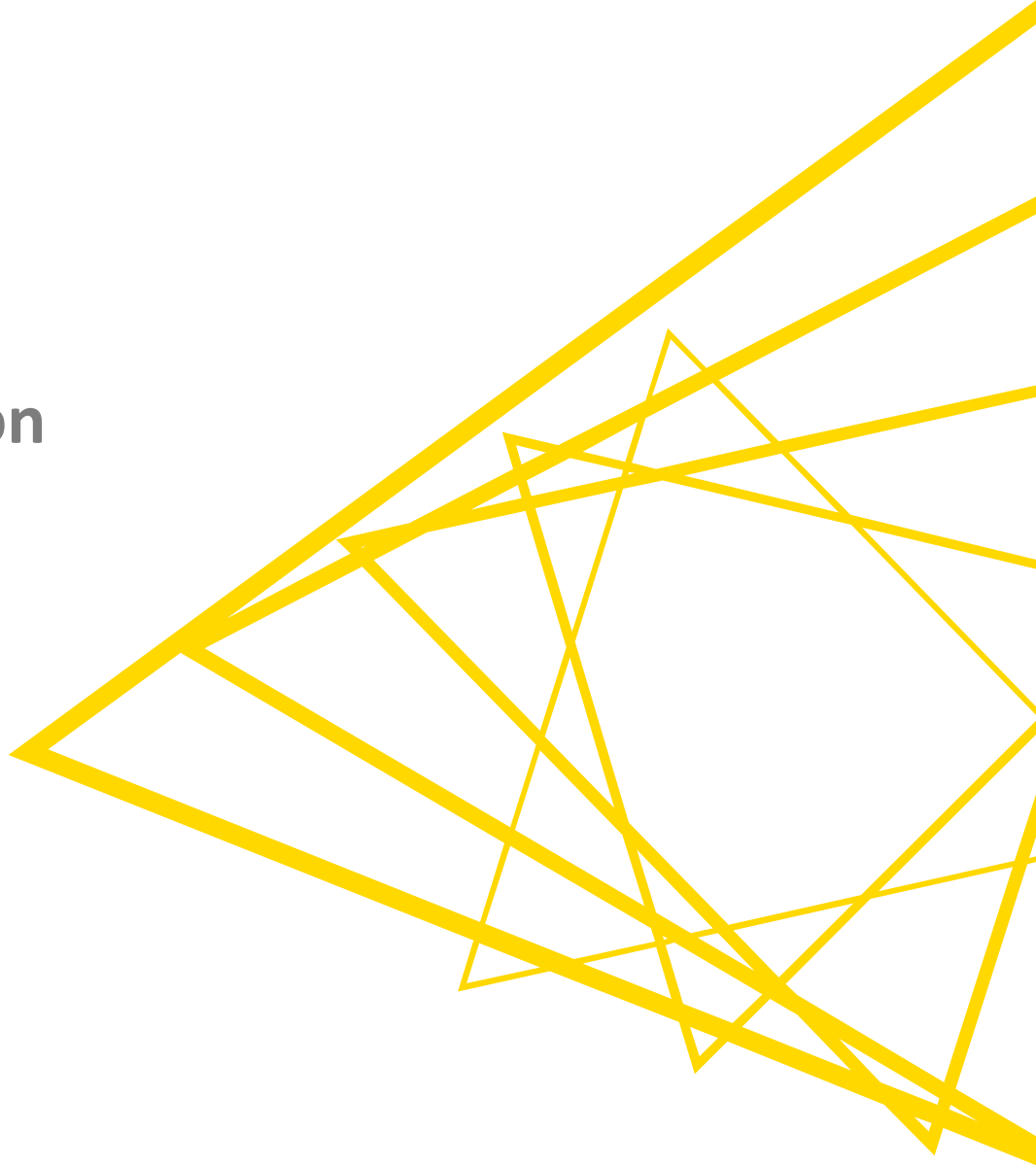
2017 Fall Summit
Opening and Introduction

Michael Berthold

KNIME

#KNIMESummit2017



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Noteworthy News...

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2017 News...

- March: €20M investment by Invus
- April: Analyst Recognition

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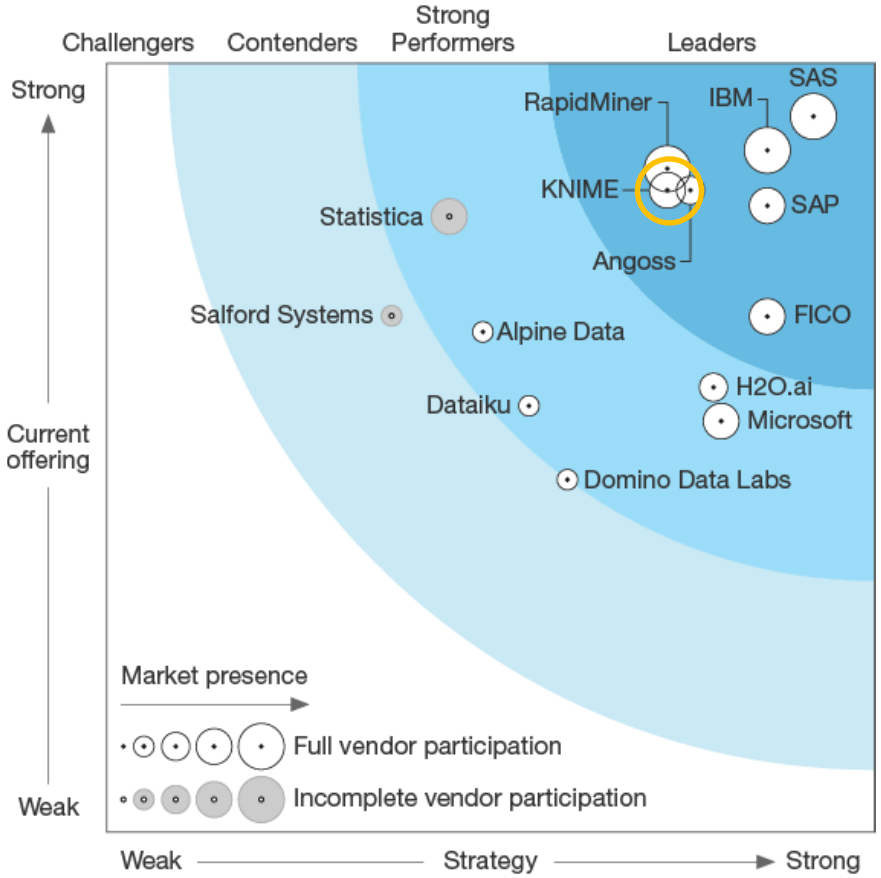
Analyst Recognition

Gartner 2017 MQ for Data Science Platforms



Forrester 2017 Wave: Predictive Analytics and Machine Learning Solutions

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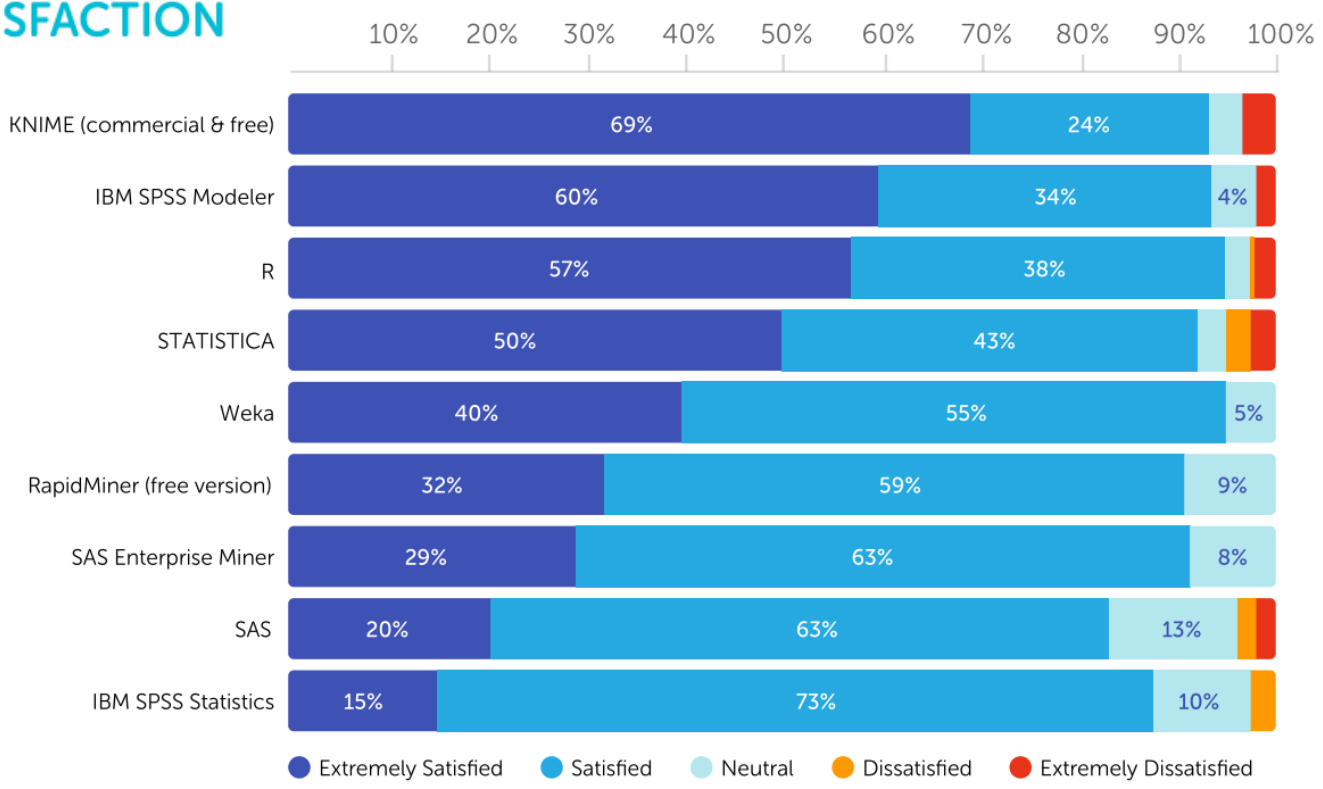
Community Recognition

TOOL SATISFACTION



Rexer Analytics Data Science Survey

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2017 News...

- March: €20M investment by Invus
- April: Analyst Recognition
- May: KNIME Inc. Opens Door in Austin
  - Jim Falgout starts the Austin team
  - Jeff Gullick joins the Austin team
  - ... joins...?
- July:
  - KNIME 3.4
  - Open Sourcing of Productivity Extensions
- August, September, October: “just work”
- November: Fall Summit

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A Peak into the Future

- December (6th...):
  - KNIME 3.5
  - Open Sourcing of Big Data Extensions
- March, 4-8, 2018: Spring Summit, Berlin, Germany.
- July 2018: new releases...

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The (New) KNIME Software Ecosystem

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The KNIME Software Ecosystem

R & Python,
Big Data,
Deep Learning
Text Processing,
Image Analysis,
High Speed ML,
...

Chem- & Bioinf,
Data Providers,
Signal Processing,
...

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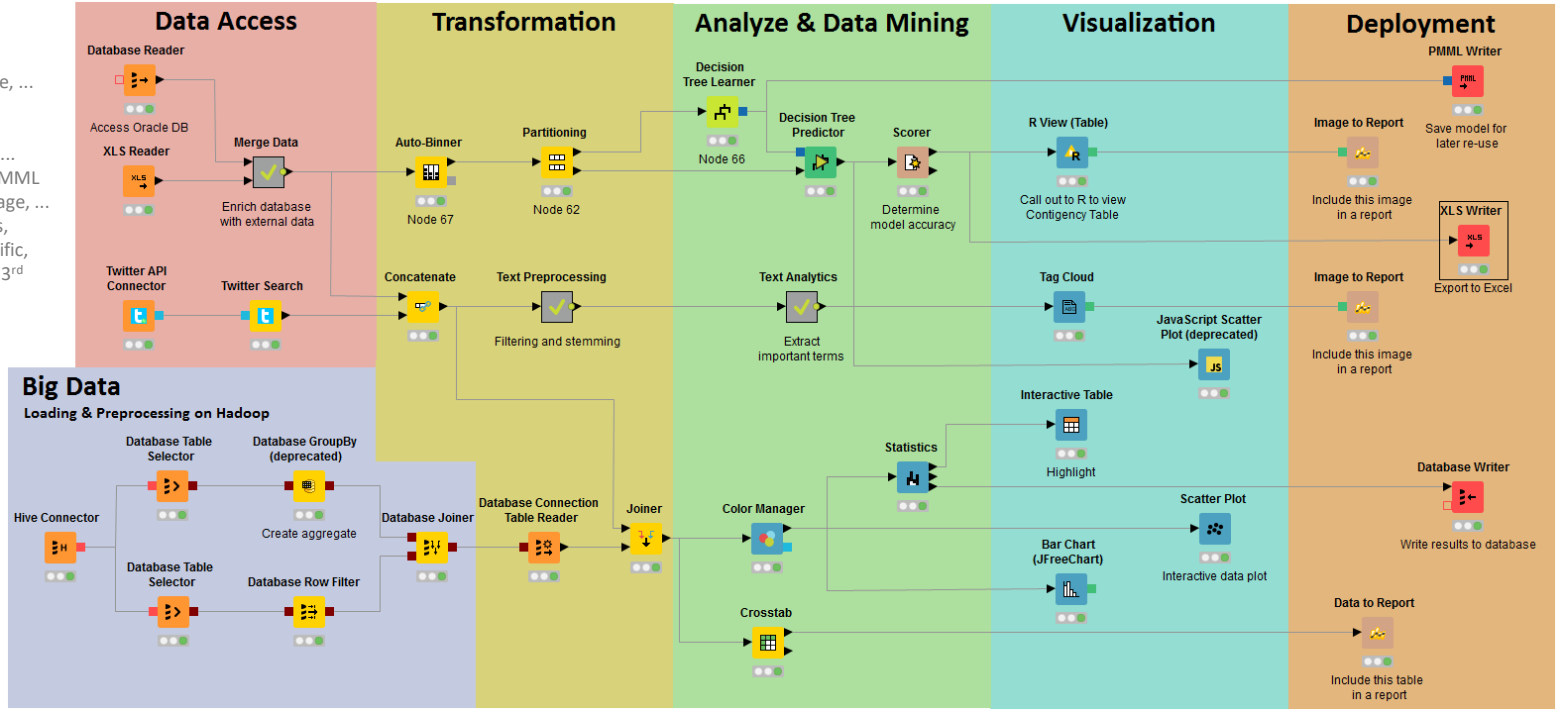
Open Integration

Data Access
MySQL, Oracle, ...
SAS, SPSS, ...
Excel, Flat, ...
Hive, Impala, ...
XML, JSON, PMML
Text, Doc, Image, ...
Web Crawlers,
Industry Specific,
Community / 3rd party ...



Big Data
Hive, Impala, HDFS Vertica, Teradata/Aster, Spark, MLlib, Community / 3rd party, ...

Transformation
Row, Column, Matrix
Text, Image, Networks, Time Series, Java, Python, Community / 3rd party, ...

Analysis & Mining
Statistics, Machine Learning, Data Mining, Web Analytics, Text Mining, Network Analysis, Social Media Analysis, R, Weka, Python, Community / 3rd party, ...

Visualization
R, Python,
JFreeChart,
JavaScript,
Community / 3rd party, ...

Deployment
via BIRT
PMML, XML, JSON
Databases, Excel, Flat, etc.
Text, Doc, Image
Industry Specific
Community / 3rd party, ...

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KNIME Analytics Platform

for...

...Algorithm Developers,

...Script-Loving Data Analysts,

...Data Wranglers,

...and Casual Workflow Recyclers.

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and all the others?

what about...

...supporting Teams,

...helping Business Analysts & Upper Management,

...and making Compliance & IT Managers happy?

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The KNIME Software Ecosystem

R & Python,
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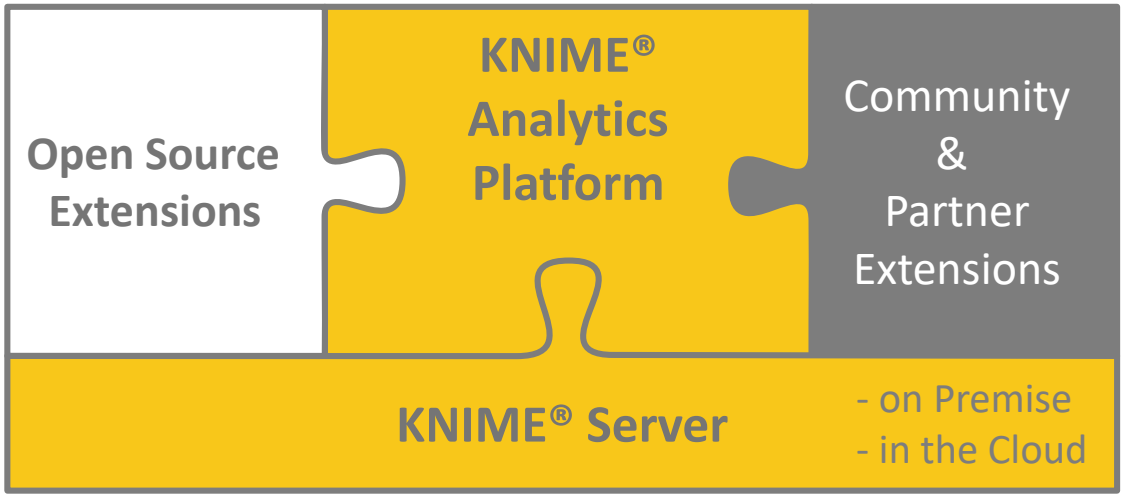

Chem- & Bioinf,
Data Providers,
Signal Processing,
...

Collaboration:
- Compliance
- Best Practices
- Sharing Expertise

Automation:
- Scheduling
- (Model) Management

Deployment:
- to Applications
- to Humans

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“Well, give me some examples!”

(nervous attendee, KNIME Fall Summit 2017)

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Fall Summit Coverage

R & Python,
Big Data,
Deep Learning
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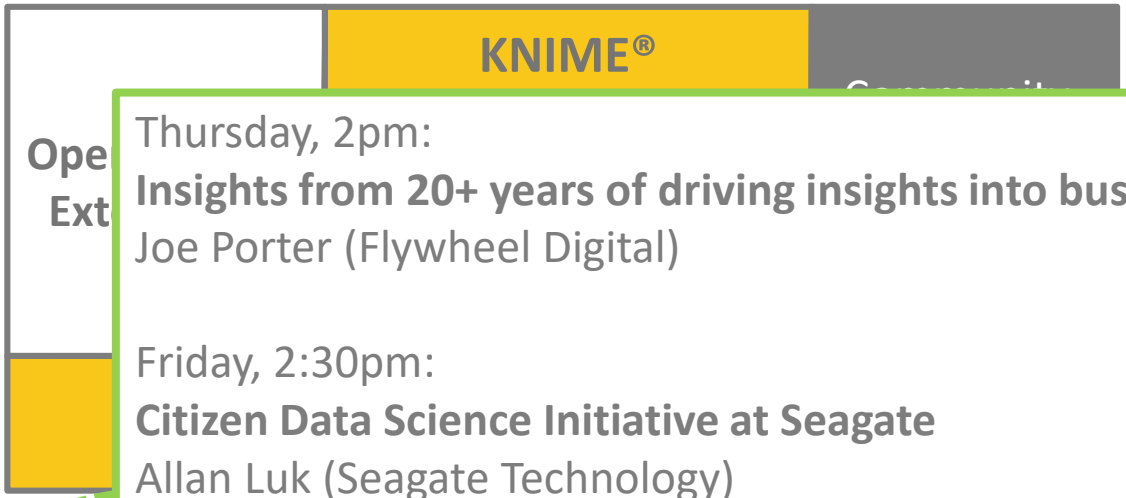
...



Chem- & Bioinf,
Data Providers,
ing,

Thursday, 2pm:
Insights from 20+ years of driving insights into business action
Joe Porter (Flywheel Digital)

Friday, 2:30pm:
Citizen Data Science Initiative at Seagate
Allan Luk (Seagate Technology)

Collaboration:
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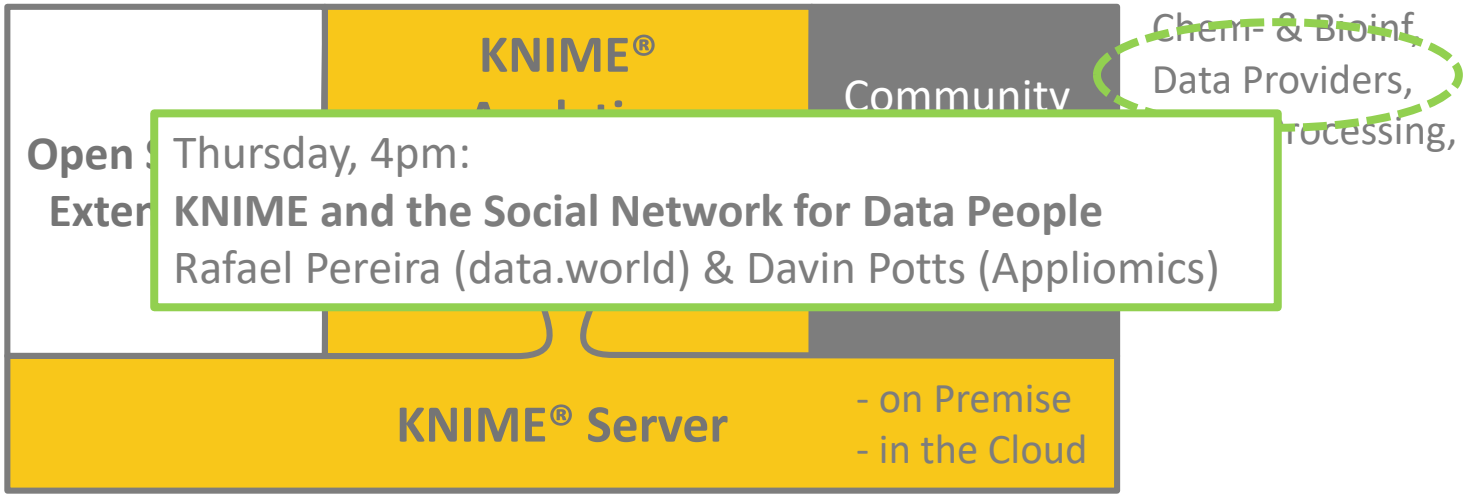

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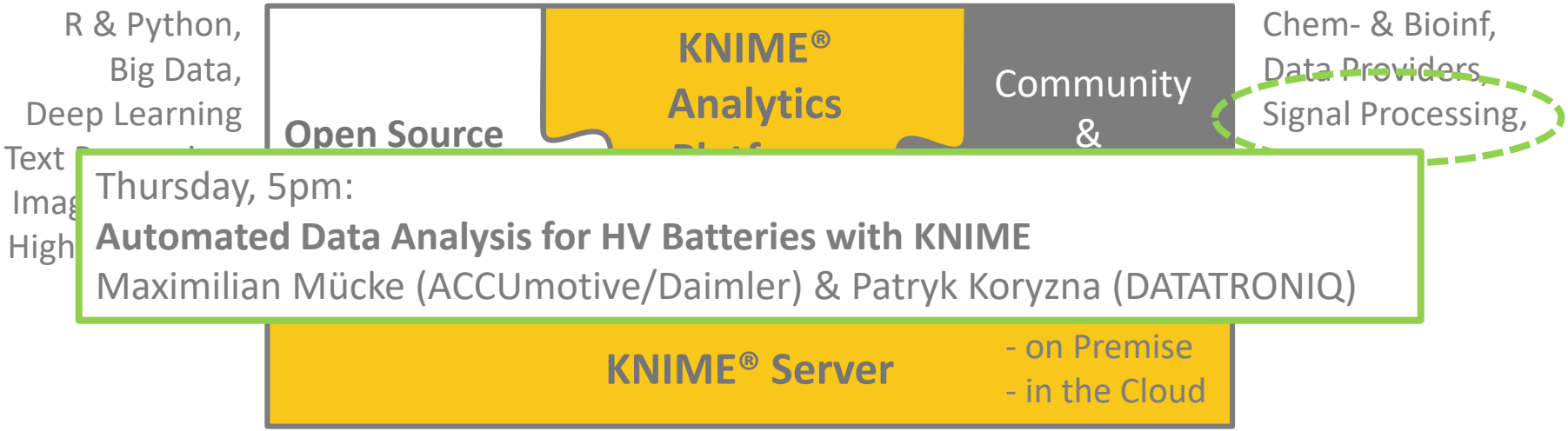
Fall Summit Coverage



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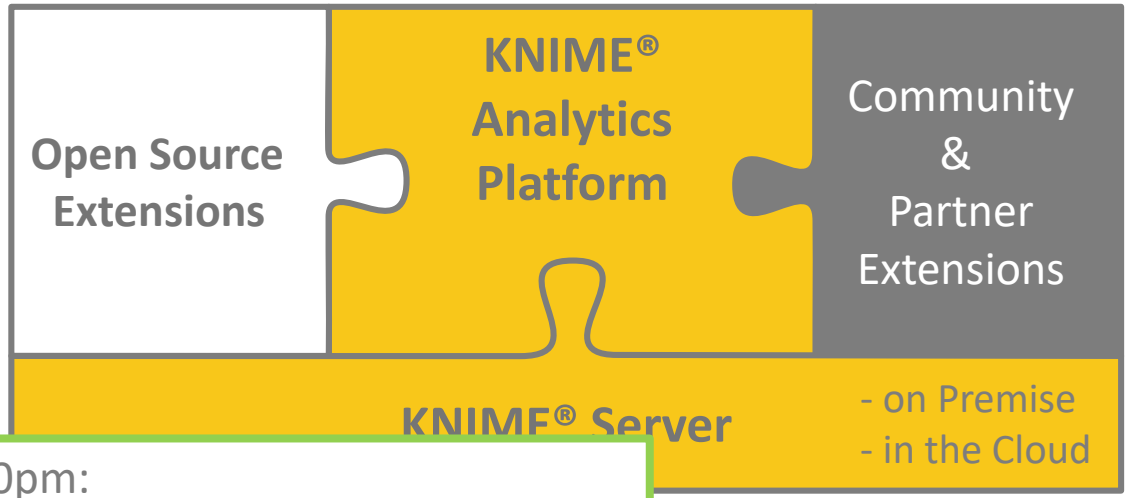

Chem- & Bioinf,
Data Providers,
Signal Processing,
...

Thursday, 5:30pm:
From Automating Models to Model Factories
Iris Adä & Phil Winters (KNIME)

- Best Practices
- Sharing Expertise

- (Model) Management

Deployment:
- to Applications
- to Humans

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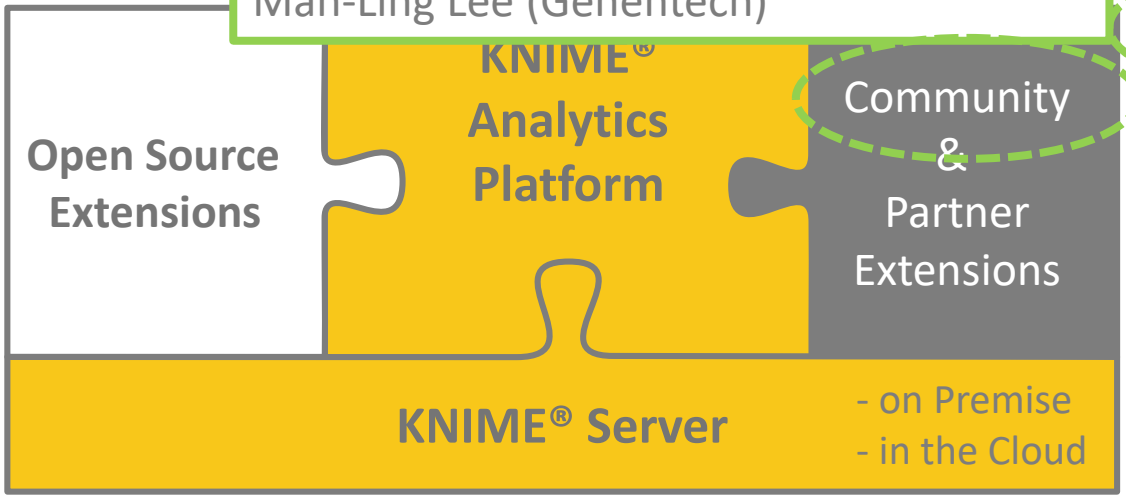
Fall Summit Cov

Friday, 9:30am:
The Matched Molecular Pairs Application, or KNIME to UNIX and Back Again
Man-Ling Lee (Genentech)

R & Python,
Big Data,
Deep Learning
Text Processing,
Image Analysis,
High Speed ML,
...



Chem- & Bioinf,
Data Providers,
Signal Processing,
...

Collaboration:
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Automation:
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Deployment:
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Fall Summit Coverage

Friday, 10am:

KNIME@HiTIF: Bioimaging Workflows for Looking Inside Cells

Prabhakar R. Gudla (National Cancer Institute, National Institutes of Health)

Moving past pixie dust to pixel math:

leveraging large scale bioimage processing to predict patient survival

Andries Zijlstra (Vanderbilt University Medical Center)

Bioinf,
viders,
ocessing,

De
Text
Image Analysis,
High Speed ML,
...

Collaboration:
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Automation:
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Deployment:
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- to Humans

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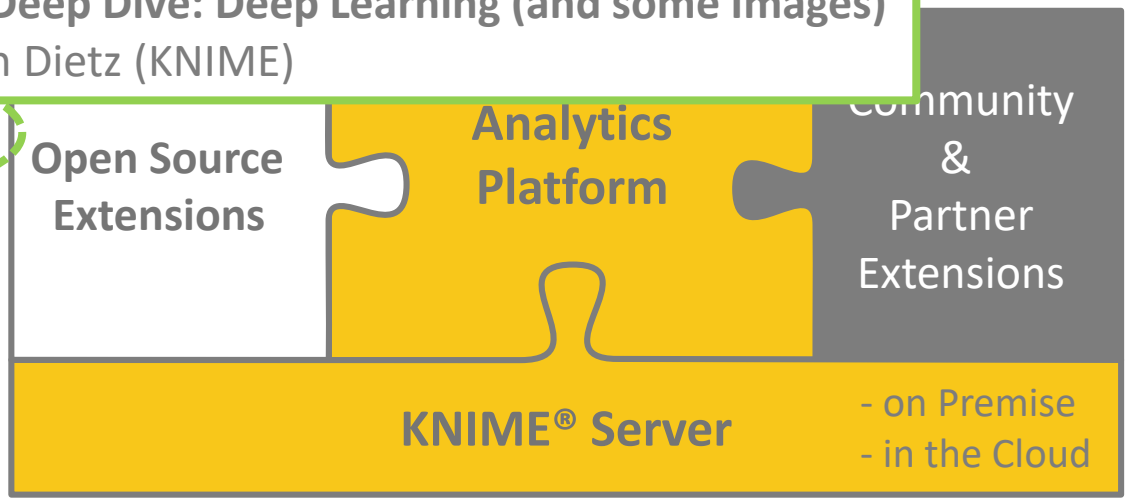
Fall Summit Coverage

Friday, 11:30am:
KNIME Deep Dive: Deep Learning (and some Images)
Christian Dietz (KNIME)



R &

Deep Learning
Text Processing,
Image Analysis,
High Speed ML,
...

Chem- & Bioinf,
Data Providers,
Signal Processing,
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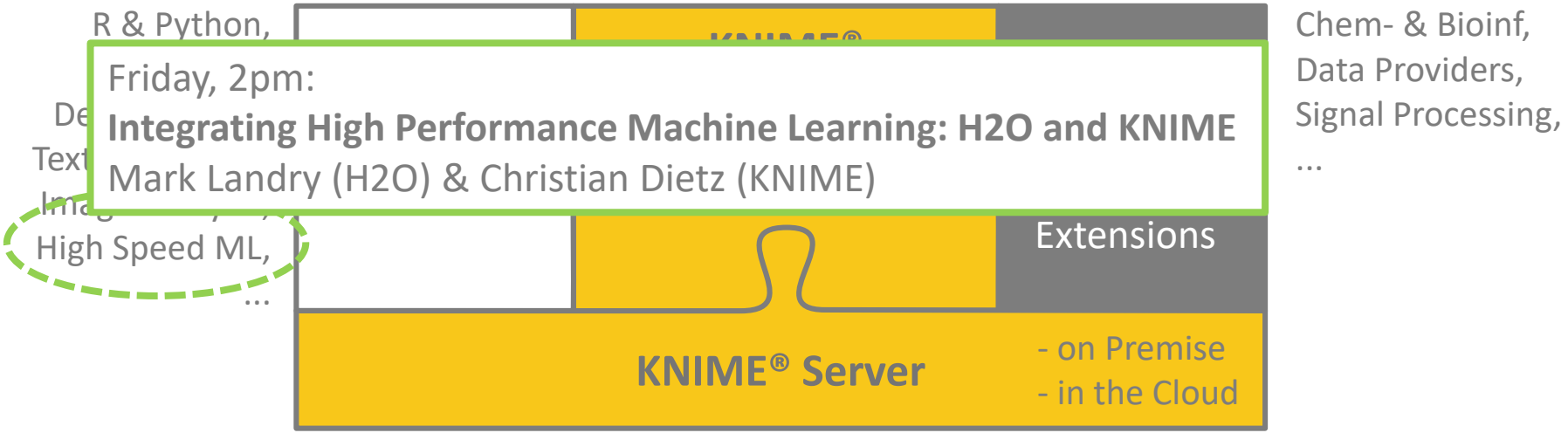

Collaboration:
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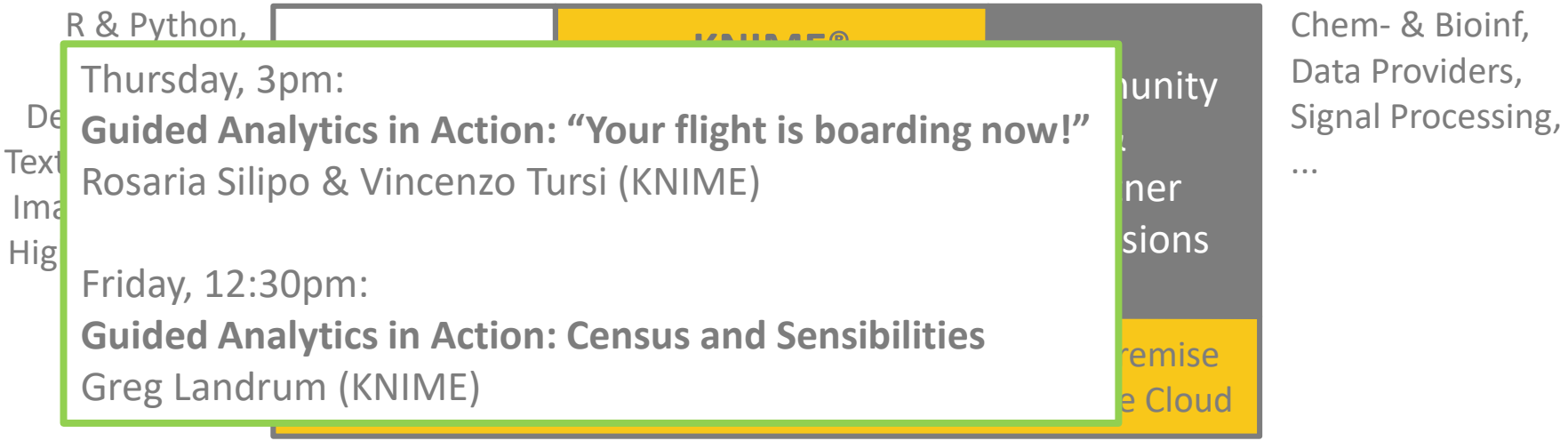

Thursday, 3pm:
Guided Analytics in Action: "Your flight is boarding now!"
Rosaria Silipo & Vincenzo Tursi (KNIME)

Friday, 12:30pm:
Guided Analytics in Action: Census and Sensibilities
Greg Landrum (KNIME)

Collaboration:
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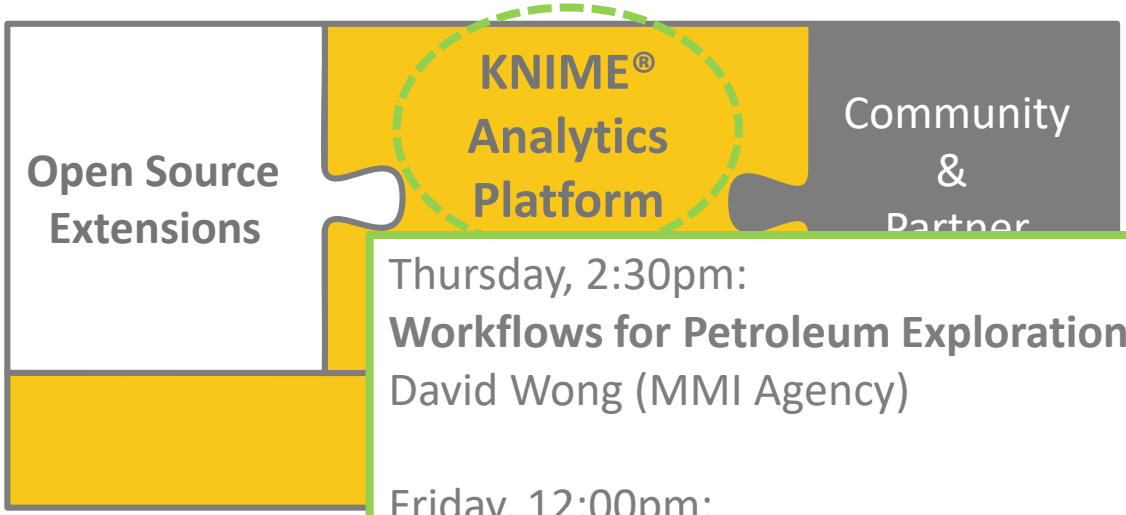

Chem- & Bioinf,
Data Providers,
Signal Processing,
...

Thursday, 2:30pm:
Workflows for Petroleum Exploration and Production
David Wong (MMI Agency)

Friday, 12:00pm:
Leveraging KNIME for Fire Analysis and Public Safety
Mohammed Ayub (National Fire Protection Association)
...

Collaboration:
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- Sharing Expertise

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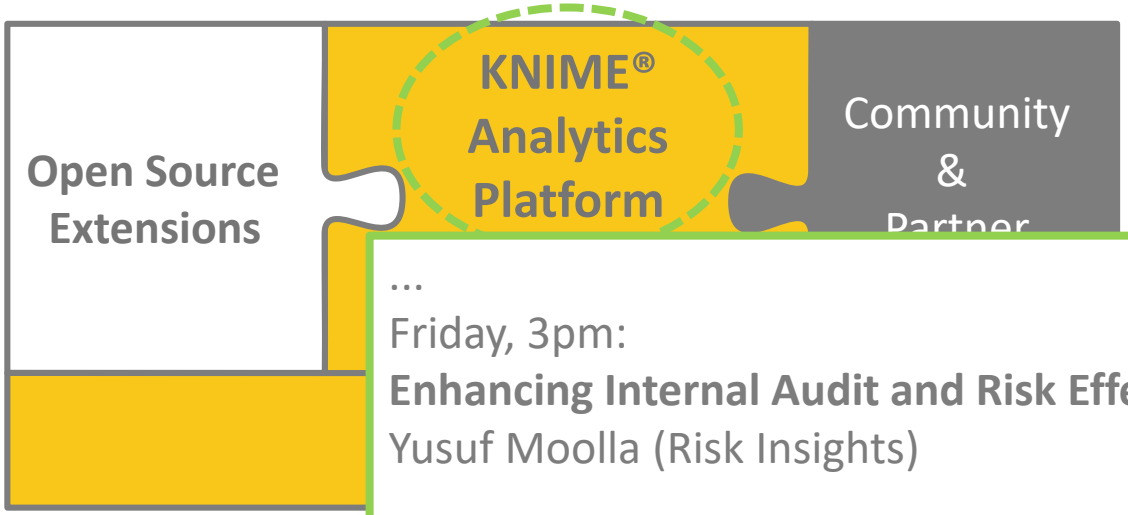

Chem- & Bioinf,
Data Providers,
Signal Processing,
...

Collaboration:
- Compliance
- Best Practices
- Sharing Expertise

...
Friday, 3pm:
Enhancing Internal Audit and Risk Effectiveness
Yusuf Moolla (Risk Insights)

Friday, 3:30pm:
Does it Blend Bingo
Rosaria Silipo & Team (KNIME)

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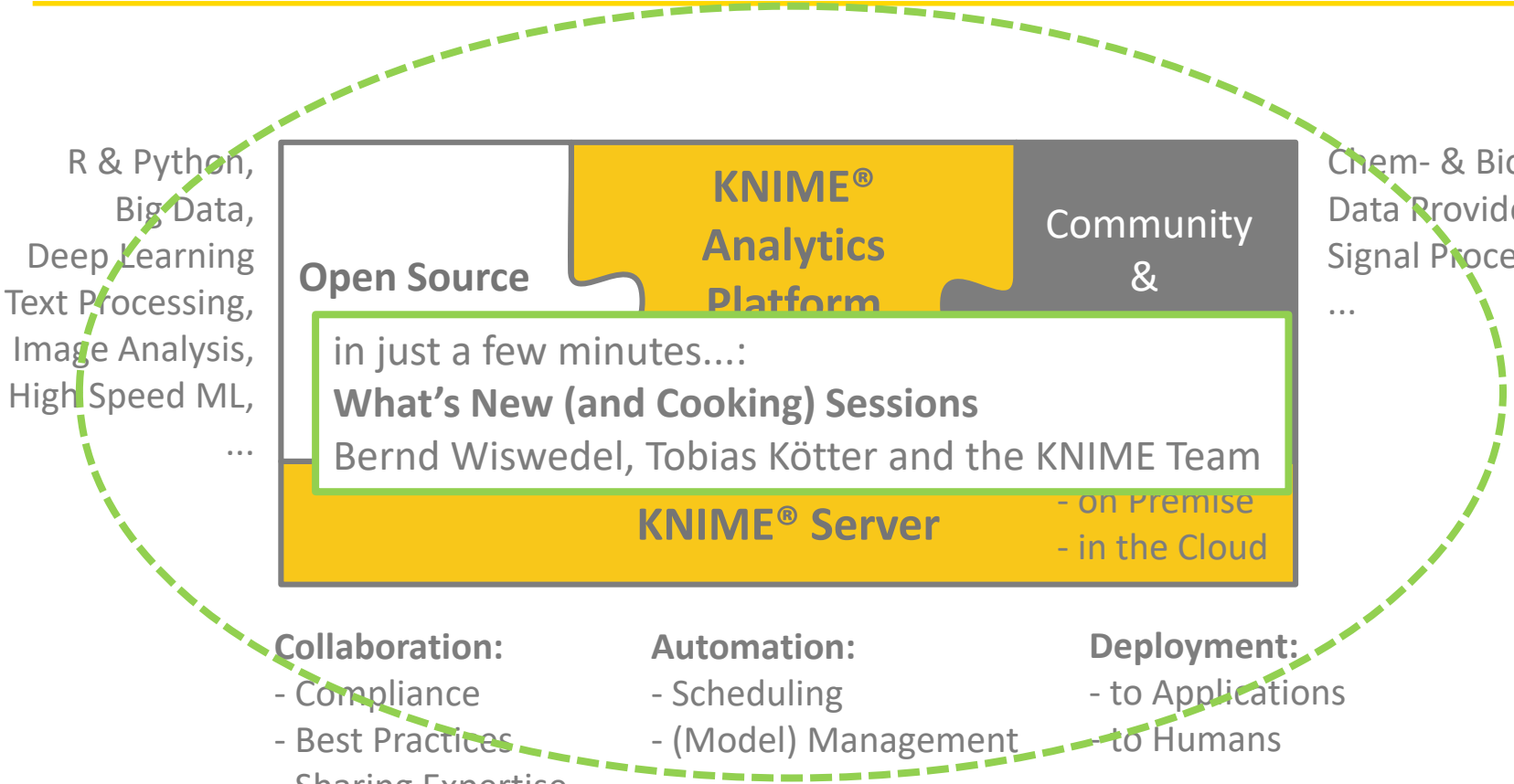
Fall Summit Coverage



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Fall Summit at a Glance

Thursday November 2, 9:00 am – 5:45 pm, Amphitheatre 204, Level M2

9:00 am	**Registration and Morning Coffee: Conference Break Area**
KNIME Session I	
10:00 am	**Opening** Michael Berthold (KNIME)
	What's New in KNIME Bernd Wiswedel & Team (KNIME)
11:50 am	**"Grab a Coffee or a Tea" Break: Conference Break Area**
KNIME Session II	
12:00 pm	**What's New in Big Data** Tobias Kötter & Team (KNIME)
1:00 pm	**Lunch Break - Tuscan Buffet: Tejas Conference Dining**
Session 1	
2:00 pm	**Insights from 20+ years of driving insights into business action** Joe Porter (Flywheel Digital)
2:30 pm	**Workflows for Petroleum Exploration and Production** David Wong (MMI Agency)
3:00 pm	**Guided Analytics in Action: "Your flight is boarding now!"** Rosaria Silipo & Vincenzo Tursi (KNIME)
3:30 pm	**Coffee Break: Conference Break Area**
Session 2	
4:00 pm	**KNIME and the Social Network for Data People** Rafael Pereira (data.world) & Davin Potts (Appliomics)
4:30 pm	**Automated Data Analysis for HV Batteries with KNIME** Maximilian Mücke (ACCUmotive/Daimler) & Patryk Koryzna (DATATRONIQ)
5:00 pm	**From Automating Models to Model Factories** Iris Adä & Phil Winters (KNIME)
5:45 pm	**End of Day 1**

Friday November 3, 9:00 am – 4:00 pm, Amphitheatre 204, Level M2

9:00 am	**Registration and Morning Coffee: Conference Break Area**
Session 3	
9:30 am	**The Matched Molecular Pairs Application, or KNIME to UNIX and Back Again** Man-Ling Lee (Genentech)
10:00 am	**KNIME@HiTIF: Bioimaging Workflows for Looking Inside Cells** Prabhakar R. Gudla (National Cancer Institute, National Institutes of Health)
10:30 am	**Moving past pixie dust to pixel math: leveraging large scale bioimage processing to predict patient survival** Andries Zijlstra (Vanderbilt University Medical Center)
11:00 am	**Coffee Break: Conference Break Area**
Session 4	
11:30 am	**KNIME Deep Dive: Deep Learning (and some Images)** Christian Dietz (KNIME)
12:00 pm	**Leveraging KNIME for Fire Analysis and Public Safety** Mohammed Ayub (National Fire Protection Association)
12:30 pm	**Guided Analytics in Action: Census and Sensibilities** Greg Landrum (KNIME)
1:00 pm	**Lunch Break - Picnic Ziler Buffet: Tejas Conference Dining**
Session 5	
2:00 pm	**Integrating High Performance Machine Learning: H2O and KNIME** Mark Landry (H2O) & Christian Dietz (KNIME)
2:30 pm	**Citizen Data Science Initiative at Seagate** Allan Luk (Seagate Technology)
3:00 pm	**Enhancing Internal Audit and Risk Effectiveness – a home loan analysis case study** Yusuf Moolla (Risk Insights)
3:30 pm	**Does it Blend Bingo** Rosaria Silipo & Team (KNIME)
4:00 pm	**Closing** Michael Berthold (KNIME)

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Logistics
(aka: where are the parties??)

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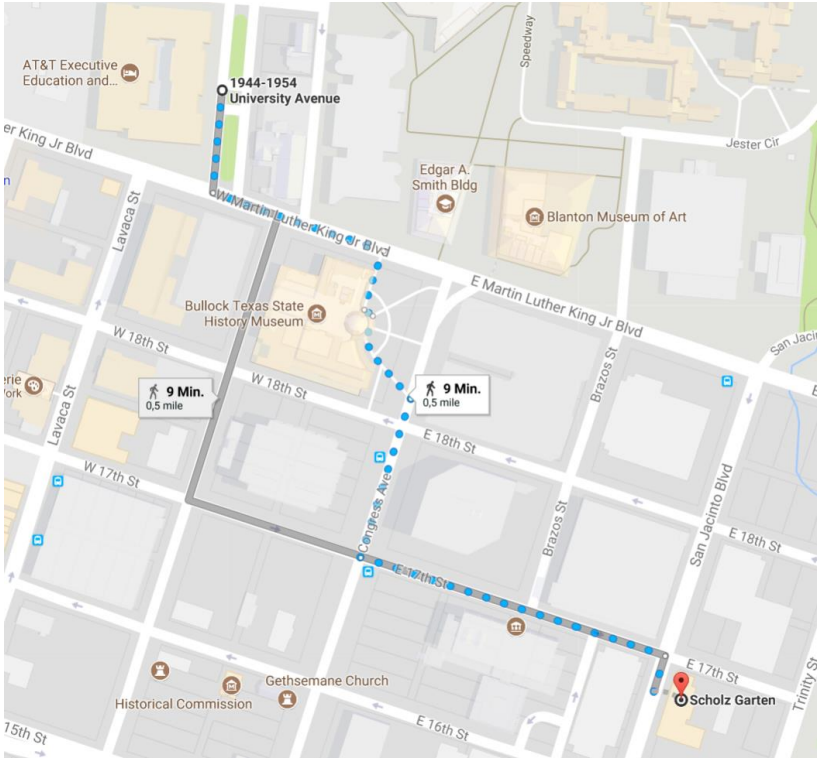
Logistics

- Dinner tonight:
  Scholz (Bier!) Garden
  (KNIMERs will start leading the way at 6:43/6:47/6:51)

- Friday:
  Farewell Drinks @ 4pm



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Thanks for Joining Us
and
Enjoy the Summit!

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