



**Special Interest Group
“High Content Analytics”**

February, 26/27, 2010

Zurich, Switzerland



Logistics

Friday:

- “Official” program until ~6:30pm
- Afterwards Rich Aperero

Saturday:

- Start at 9am
- Meeting closes ~1pm



Plans for this Meeting

Friday:

- Presentations from Users & Contributors
- Informal Get-Together & Discussions

Saturday:

- Technological Discussions
- Integration Kick-Offs
- Future Plans



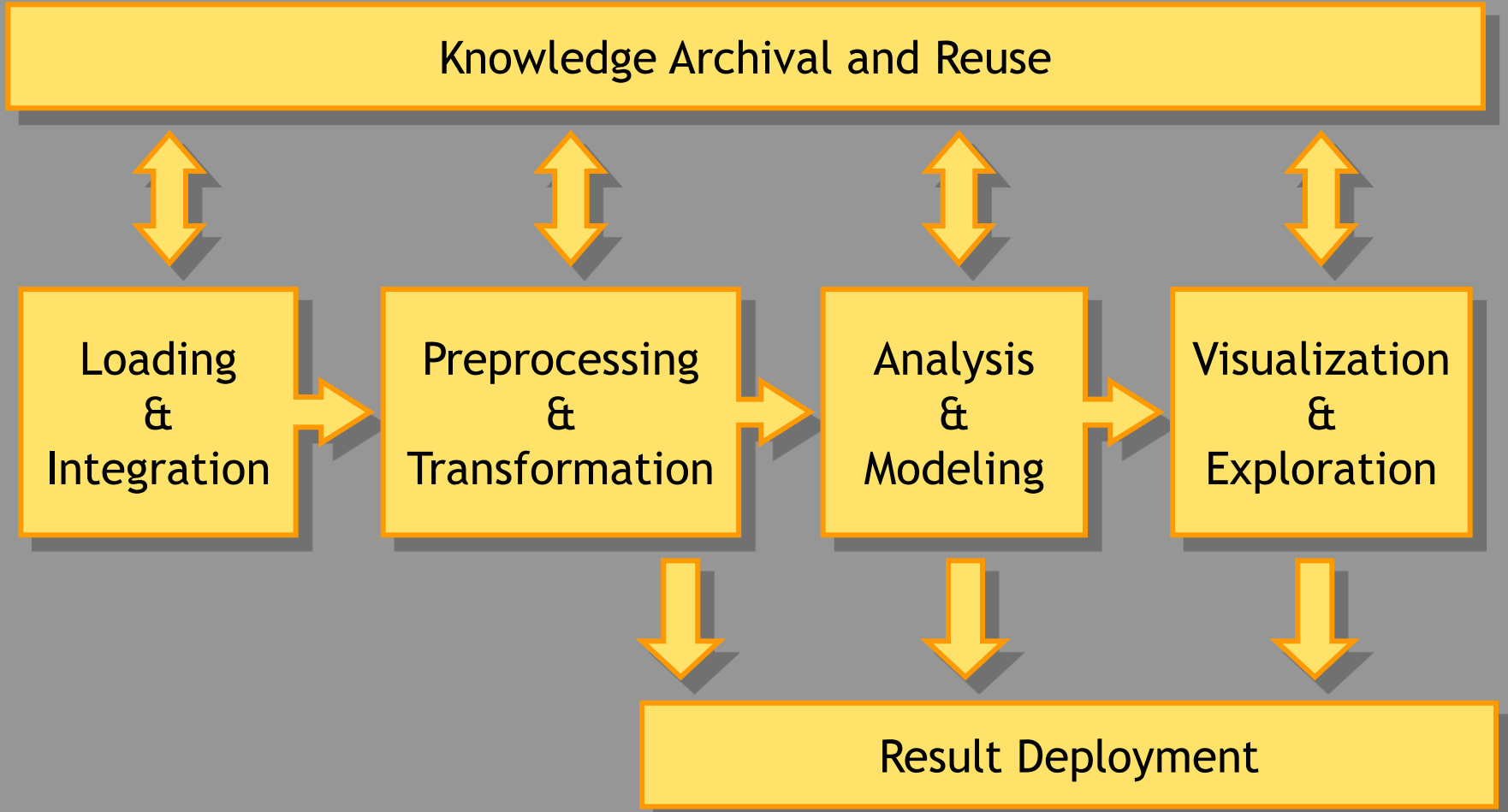
The Role of KNIME in Life Science Enterprise Informatics

Michael R. Berthold

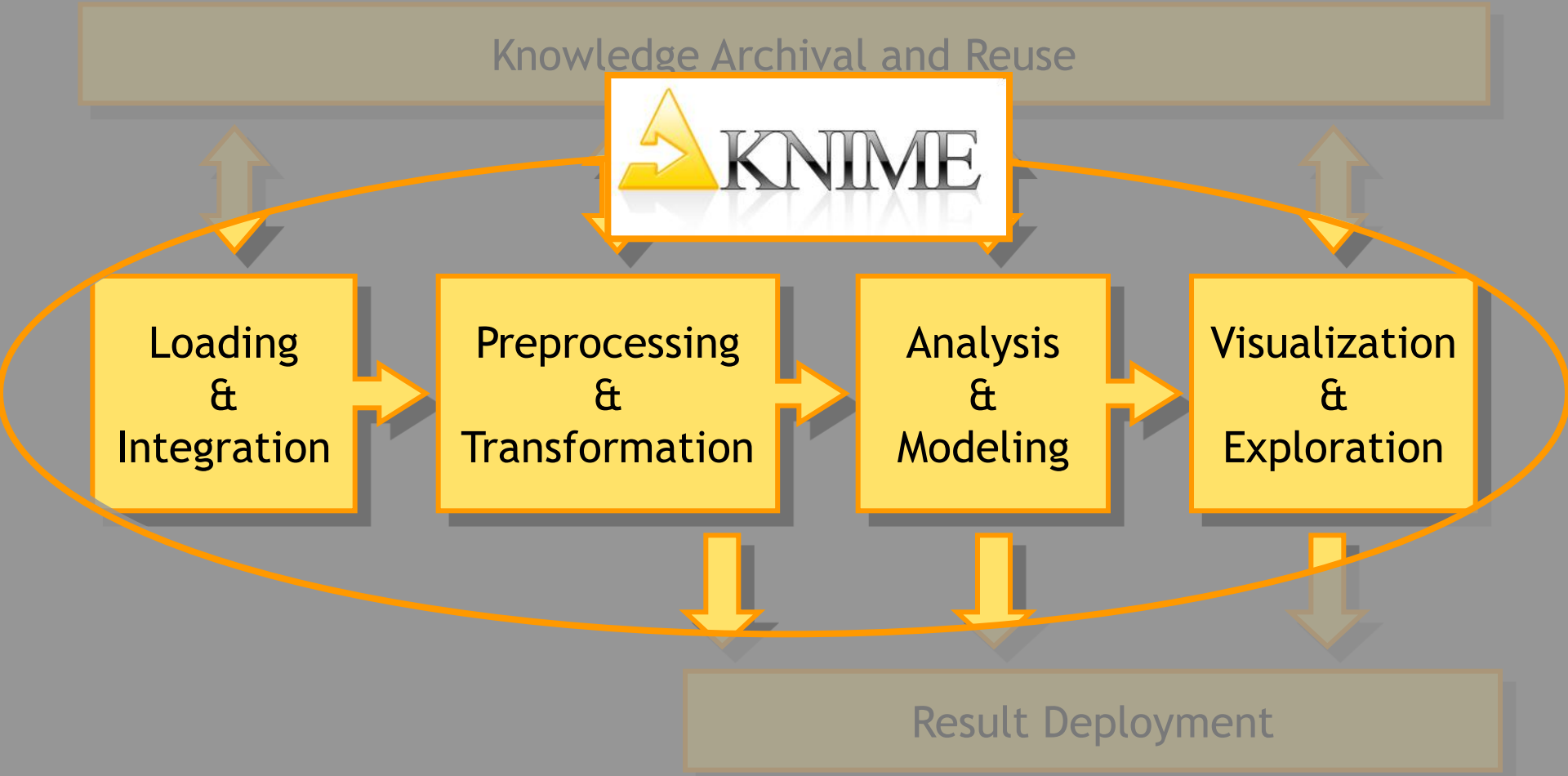
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Enterprise Data and KNIME



Enterprise Data and KNIME



Enterprise Data and KNIME



Knowledge Archival and Reuse



Loading
&
Integration

Prep
Trans

Visualization
&
Exploration

Result Deployment



Integrating Data, Tools, and Science



Life Science

- CDK
- Partner Tools
- Image Proc. Lib
- SIG HCA

Analytics

- Weka
- R
- LibSVM, ...

Misc

- Time Series
- Text Processing
- Networks

Visualization

- JFreeChart
- BIRT (Reporting)
- Spotfire

Integration

- KWaaS

Integration Backbone:
KNIME Workflow Manager

Legacy SW

- Ext Tool
- WS / PP

HPC

- Cluster Execution
- KNIME o.t. Cloud

Deployment

- KNIME Report Server
- PMML
- KWaaS

Collaboration

- KNIME Server Lite
- Enterprise Server

SIG HCA

KNIME's role in Open Source High Content Analytics:

- One common infrastructure for
 - Work...
 - Predictive Analytics
 - Reports
 - ...Tools...
 - HCDC, CellProfiler, individual contributions, ...
 - ...and Formats

- Workflow archives enable
 - Documentation of processes
 - Reproducible Research