What's New and Cooking in KNIME WebPortal

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Life and Other Data Science

• What's New and Cooking in KNIME WebPortal
  Jeany Prinz and Paolo Tamagnini (KNIME)

• Building a Clinically Significant Rare Disease Data Master - Sebastian Lefebvre (Alexion Pharmaceuticals)

• Using KNIME to Build a Data-Driven Culture in a Biopharma Setting - Kenneth Longo (Wave Life Sciences)
KNIME WebPortal

- WebPortal: Framework for building Web Applications
- All workflows on KNIME Server available as Web Applications
- Step-by-step execution of workflows from any browser
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Components

- Building blocks of more complex workflows
- Can have their own sophisticated, interactive views
- Bundle and abstract functionality

Inside component

- Components can be reused in your own workflows but also shared with others: via the KNIME Server or KNIME Hub.

blog post: https://www.knime.com/blog/knime-analytics-platform-40-components-are-for-sharing
KNIME’s Guided Automation

Customized Workflow

KNIME Server

Analytical Application for Domain Expert from Web Browser
Guided Analytics with Shared Components

Demo
Simple Life Science Example

Goal: Cluster compounds based on their activity on serotonin receptors

Use components from Example space to:
1. Extract data from ChEMBL database
2. Perform and visualize clustering
Simple Life Science Example

Demo
What’s Cooking: new KNIME views!

New nodes and components for Guided Analytics!
What’s Cooking: new KNIME WebPortal!

New KNIME WebPortal frontend!
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