Big Data Extension in KNIME:

There are several excellent Big Data Extension in KNIME.

https://www.knime.org/knime-big-data-extensions

Big Data connectors:

https://www.knime.org/knime-big-data-connectors

KNIME Opens doors to Big Data White Paper

https://www.knime.org/files/big_data_in_knime_1.pdf

KNIME Spark Executor:

https://www.knime.org/knime-spark-executor

KNIME opens the Doors to Big Data. A practical Example of integrating any Big Data Platform into KNIME (2015)

In this whitepaper we show step-by-step how to integrate a big data platform into a KNIME workflow, using dedicated and/or generic connector nodes to connect to big data platforms and SQL helper nodes. Example workflow can be found on the EXAMPLES server under 004_Database/004005_Energy_Prepare_Data (Big Data).

Big data, Smart Energy, and Predictive Analytics (2013)

This whitepaper focuses on smart energy data from the Irish Smart Energy Trials. The first goal is to identify a few groups with common electricity behavior to create customized contract offers. The second goal is a reliable prediction of the overall energy consumption using time series prediction techniques.

Great Example of the Big Data in KNIME is illustrated in the example

The corresponding KNIME workflow can be found on the KNIME Workflow Public Server under
017001_BigData_Processing

017002_HDFS_File_Handling

Under Spark folder:

017101_Spark_MLlib_Decision_Tree