



Welcome and Introductions

Ross Gaskell

Director, Forest Grove



KNIME Data Talks

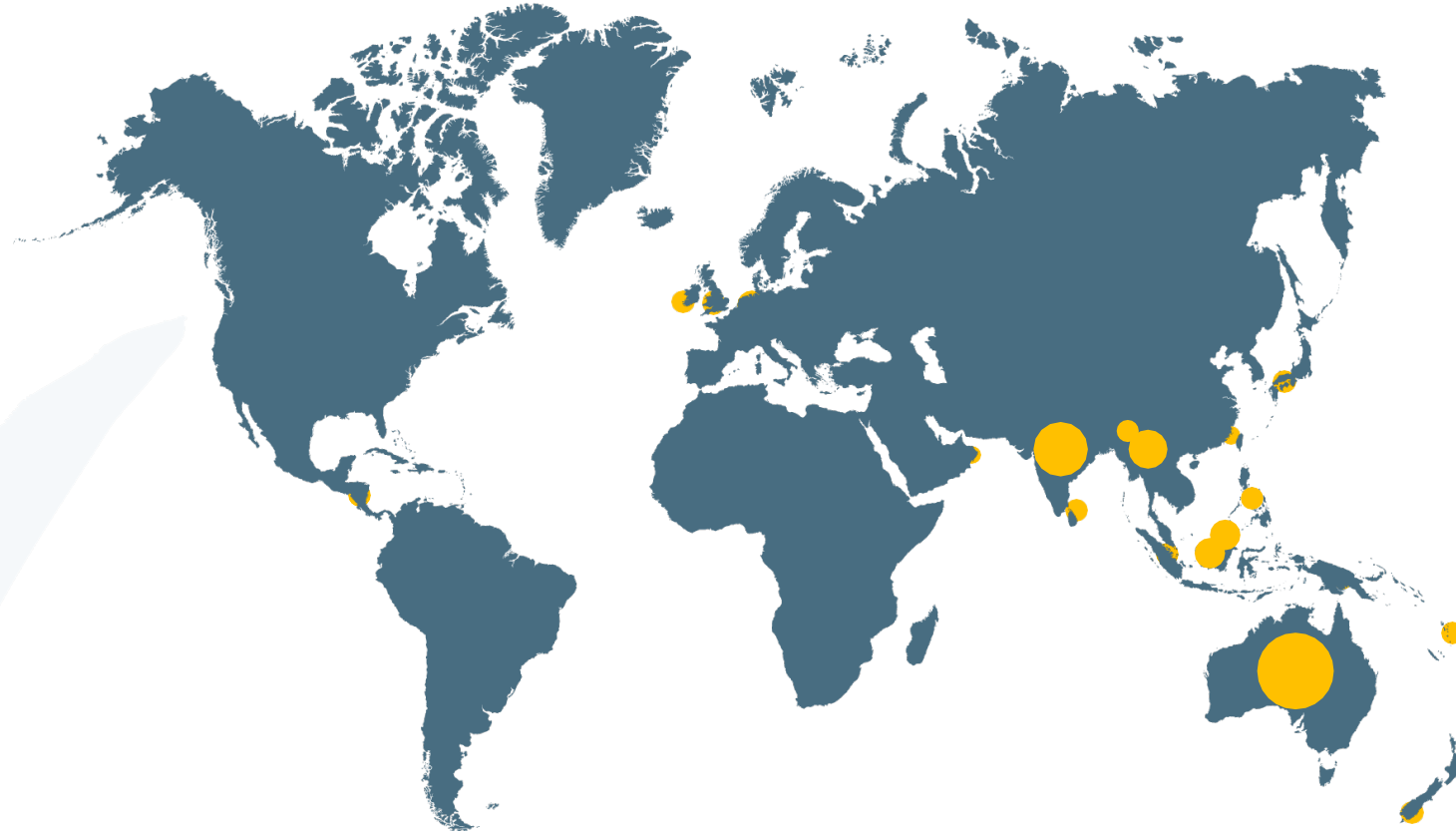
**Data Culture Across
Industries**

Wednesday 17 November 2021

KNIME Community – Driving Data Culture

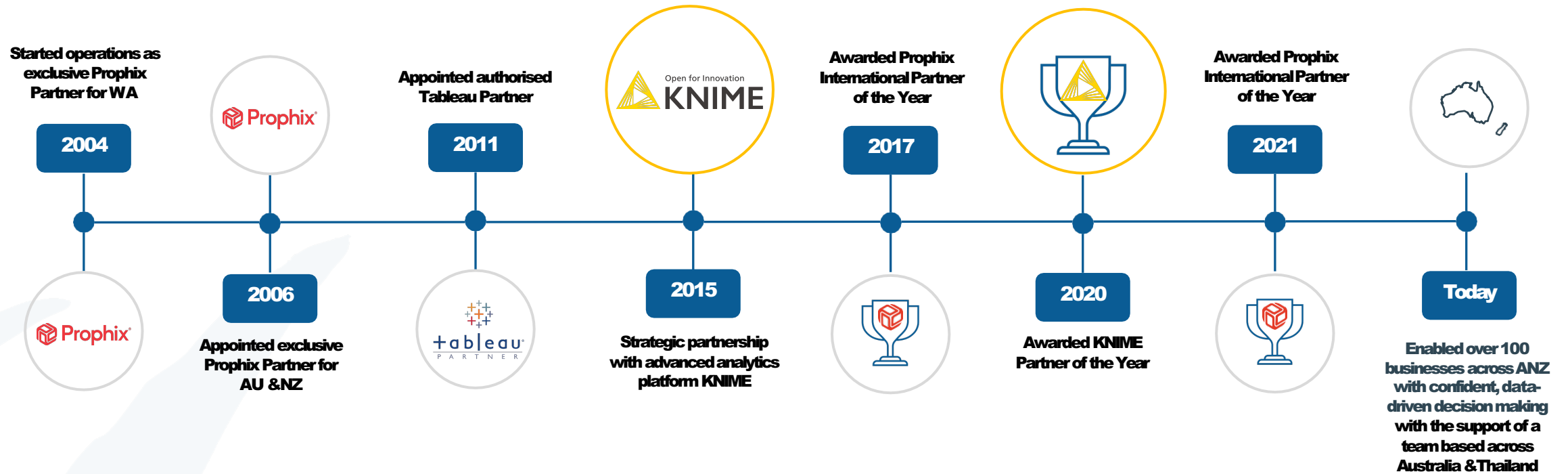
Users in over 60 countries

Over 400 Data Talk registrations from ~40 countries



Our journey

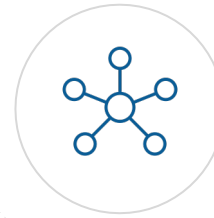
Forest Grove has a long history of forming strategic partnerships with market leading technologies. We are the Australian leaders in the use of KNIME (International Partner of The Year 2020) for deployment of advanced analytics solutions.



About Forest Grove

Proud to be the Australian leaders in the use of KNIME for development of analytics pipelines

~ 100 customers around
Australia and New Zealand



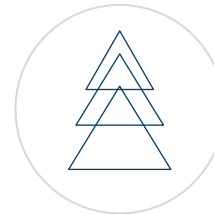
Long-term clients who have
adopted our full tech stack

Trusted to deliver in a new
and evolving market



Self-service via knowledge transfer
and support is a key focus

Over 15 years' experience
in data and analytics



2020 KNIME International
Partner of the Year

Service offerings

We provide end-to-end development, deployment and management of data analytics and financial planning and analysis solutions.



Data Consulting

PLAN

- Strategy & roadmaps
- Environment mapping and transition planning
- Data quality and standards assessments / guidance
- Stakeholder management
- Budgeting, forecasting & planning process analysis



Solution Architecture

DESIGN

- Source system analysis
- Solution schematic / wireframes
- Current to future state mapping
- Users, responsibilities & stakeholders
- Data migration & integration
- Installation and technical configuration



Implementation & Deployment

DEPLOY

- Visual dashboards
- Pilot and enterprise programs
- Enterprise deployment
- Collaborative methodology with stakeholder interaction plan
- On-site or remote engagements
- Agile methodology



Workshops & Training

EDUCATE

- Upskilling plans
- Product guidance
- Training, coaching and workshops
- Data citizen frameworks



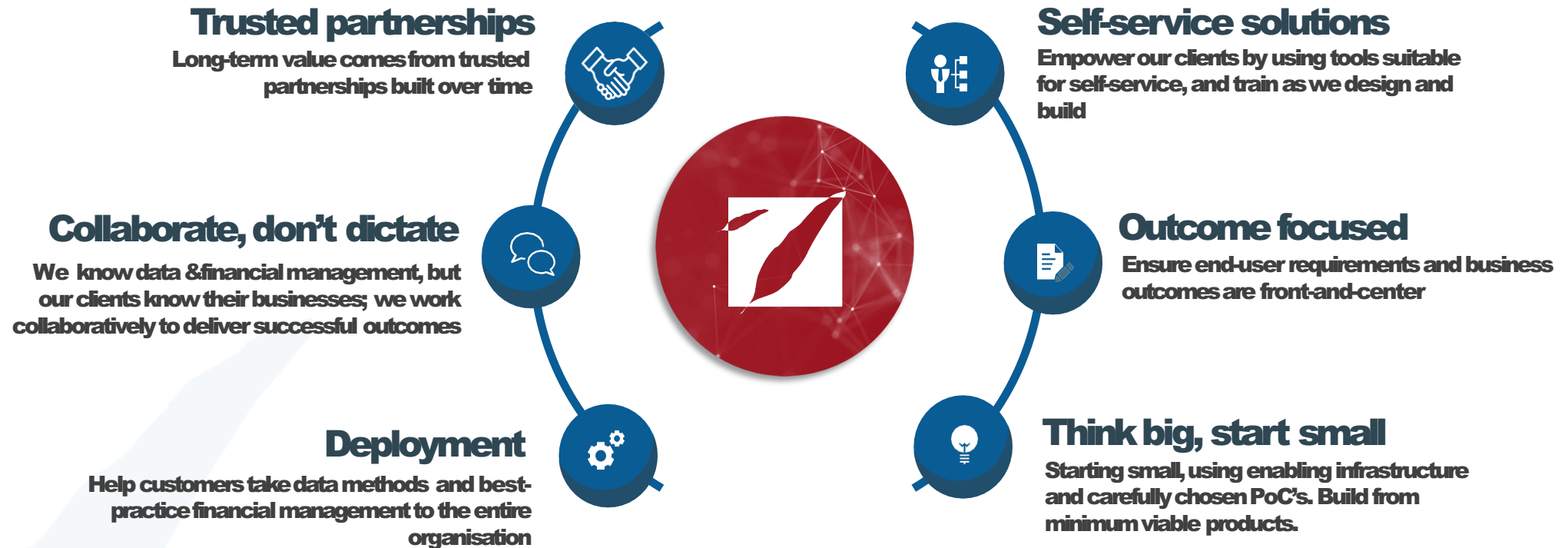
Support & Managed Services

MAINTAIN

- Support desk for transparent issue management/resolution
- Management of analytics solution instances and workflows (/ use-cases)
- Setup, installation & configuration
- Product upgrades
- Monitoring and scheduling
- Governance oversight
- Security assessments

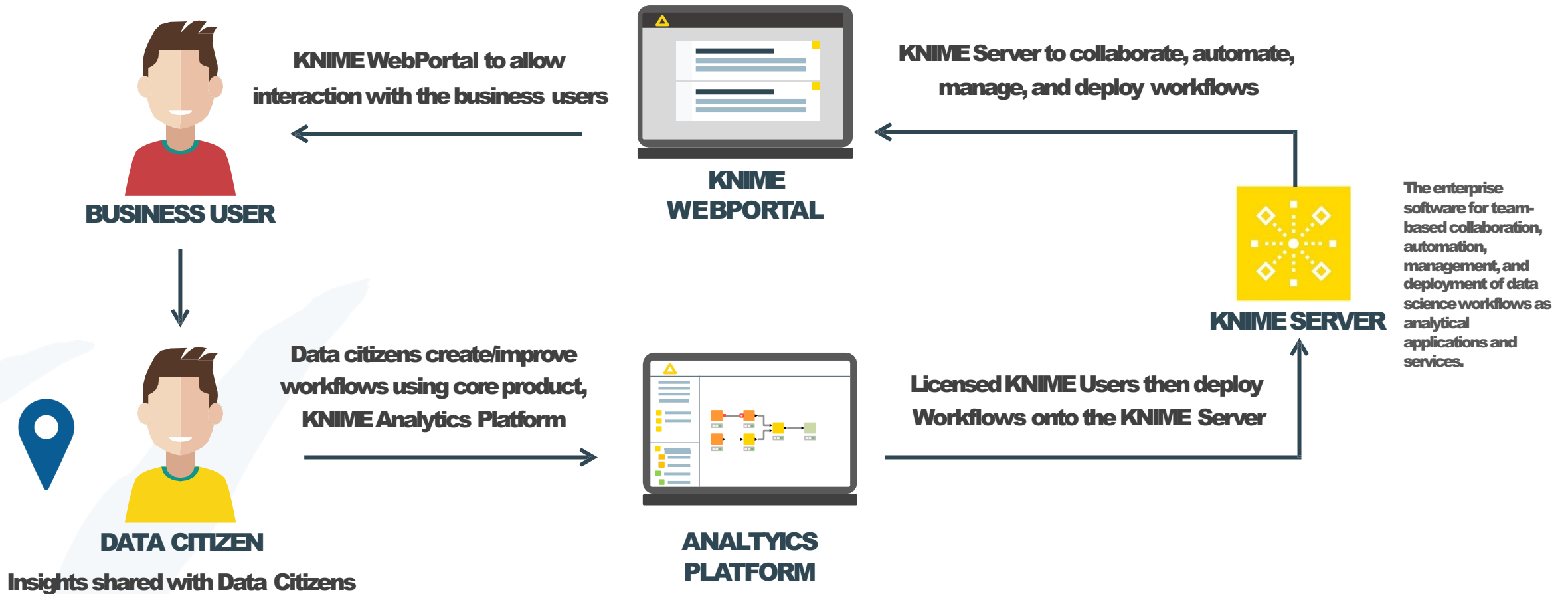


Delivery ethos



Data citizen philosophy

KNIME desktop can be downloaded at no cost– anyone in the organization can download and start using the full product for free. Once use-cases and an ROI can be identified, the commercial offering provides automation, collaboration, management and enterprise deployment capabilities for a fully productionised data environment.



Introductions



Paul Treichler
VP, Head of Global Partnerships
and Corporate Development



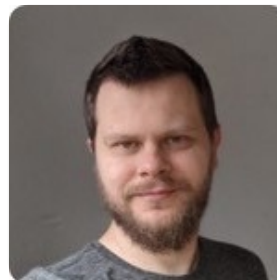
Fred Herselman
Head of Data & Analytics



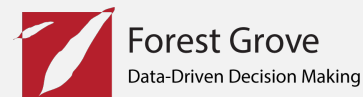
David Rey
Network Operations Analyst



Rhys Meakins
Manager Corporate Strategy



Angus Veitch
Data Science Lead





KNIME Software

Paul Treichler, VP Global Partnerships

paul.treichler@knime.com



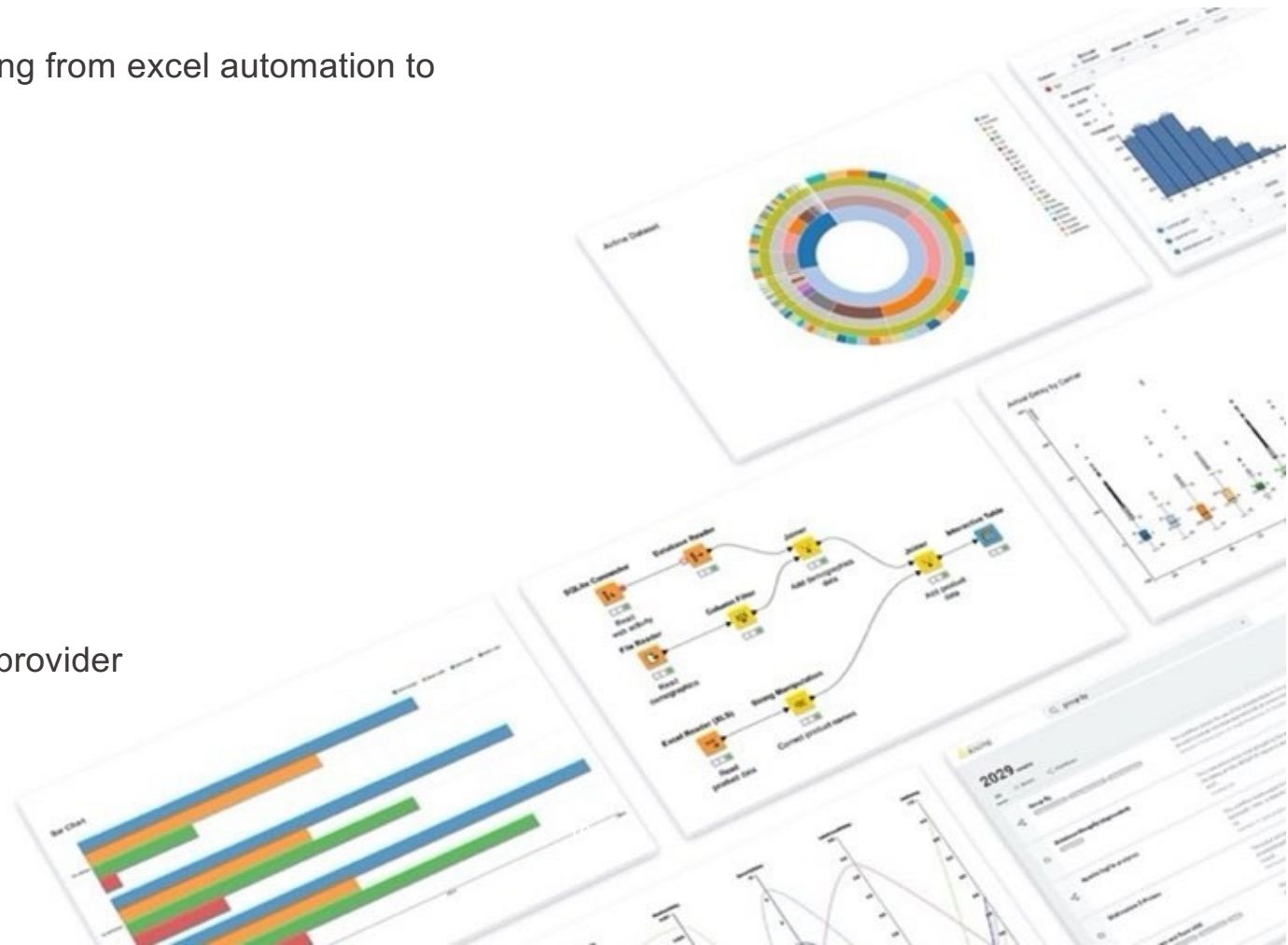
Overview

What is KNIME Software?

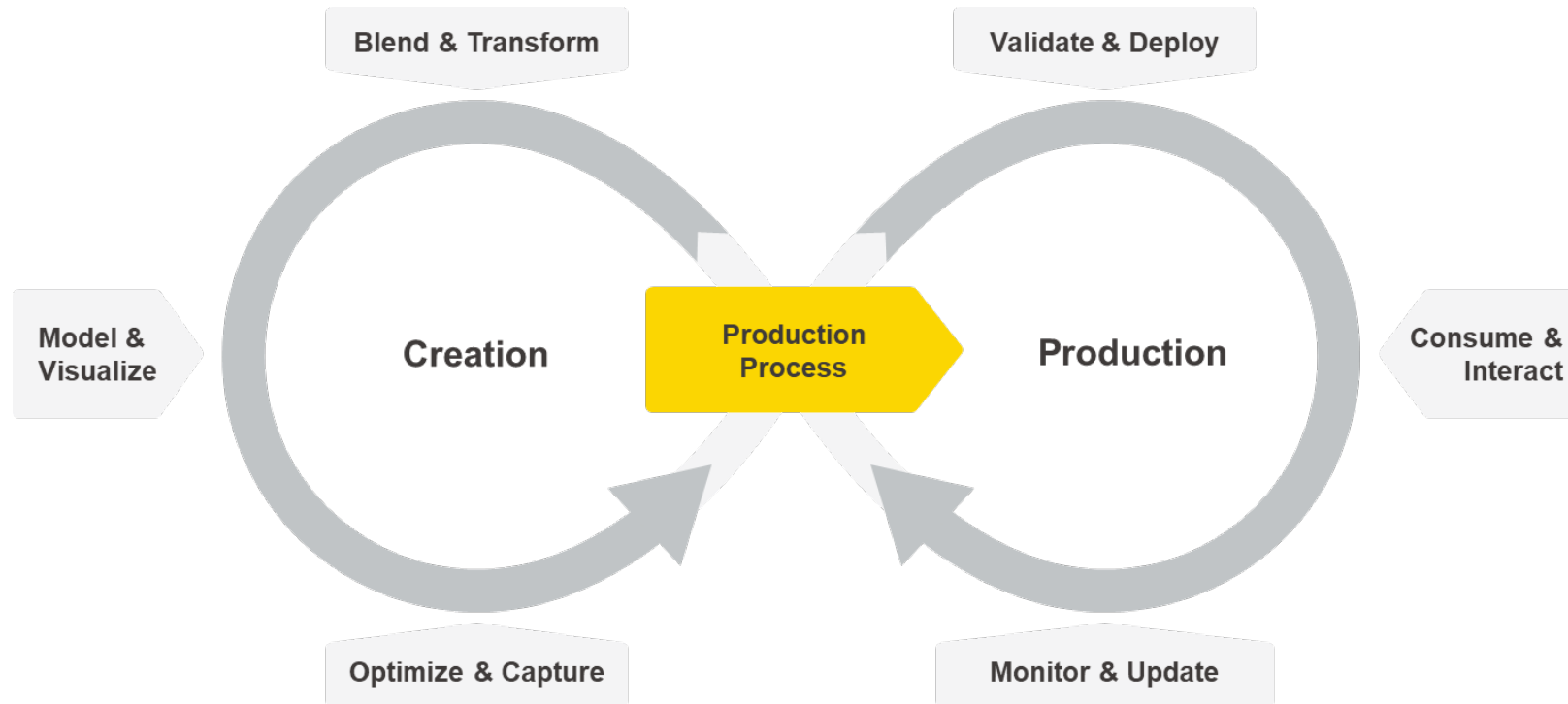
- Fast and intuitive software for everything from excel automation to advanced data science.
- No code, drag and drop interface.
- Mix and match technologies

Who is KNIME?

- Offices in Europe and USA
- Well funded and sustainable software provider
- Global Partner Network
- KNIME Community



KNIME Software for the Entire Data Science Life Cycle



KNIME Analytics Platform

KNIME Extensions

KNIME Integrations

Community Extensions

Partner Extensions

KNIME Server

Team Collaboration

End User Applications

API Services

Managed Execution

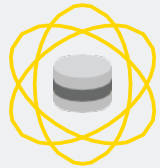
Across industries and use cases

- Verticals such as
 - Financial Services – e.g. Banking, Insurance
 - Life Sciences – e.g. Chemistry, Bioinformatics
 - Manufacturing – e.g. High Tech, Auto
 - Telecommunications
 - Government
 - Energy
 - Retail/CPG
 - Etc.
- Use Cases
 - ‘Citizen Data Scientist’ enablement
 - Spreadsheet and ETL automation
 - FP&A and Audit
 - Fraud Prevention
 - Predictive Maintenance
 - Quality Control
 - Sales & Marketing
 - And many many more...

One Ecosystem - Many Roles



Analytics Lead
Deliver Value



Data Engineers
Data Scientists
“Code First” Users



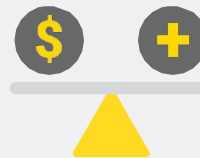
Business Analyst
Interactive User
Information Consumer



Model / ML Operations



IT Operations
Scalability and control
Centralized resources / strategies
Security



Compliance
Financial / risk oversight
Costs allocation
Governance, traceability, GDPR

Intuitive Visual Programming for Data Science

The screenshot displays the KNIME software interface with a workflow titled "Demo Workflow". The workflow consists of four nodes: "File Reader" (Node 1), "Excel Reader (XLS)" (Node 2), "Joiner" (Node 3), and "Number To String" (Node 4). Node 1 and Node 2 are connected to Node 3, which then connects to Node 4.

The "Joiner" node's description panel is visible on the right, titled "Joiner". It explains that this node joins two tables in a database-like way, based on the joining columns of both tables. It lists "Dialog Options" and "Joiner settings".

Joiner settings

Join mode

If a row from the top table cannot be joined with a row from the bottom table (and vice versa) there are several options of handling this situation. After an **Inner Join** only matching rows will show up in the output table. A **Left Outer Join** will fill up the columns that come from the bottom table with missing values if no matching row exists in the top table. Likewise, a **Right Outer Join** will fill up the columns from the top table with missing values if no matching row in the bottom table exists. A **Full Outer Join** will fill up columns from both the top and bottom table with missing values if a row cannot be joined.

Joining columns

Select the columns from the top input ('left' table) and the bottom input ('right' table) that should be used for joining. You may select a real column or the table's row ID here. You must make sure, that the type of selected columns matches. The row IDs are interpreted as StringCells.

Match all of the following: A row of the top input table and a row of the bottom input table match if they match in all specified column pairs.

Match any of the following: A row of the top

The interface also shows a "Workflow Coach" with a list of recommended nodes and their community percentages, a "Node Repository" with a search for "number to", and a "Console" window at the bottom.

Visual KNIME Workflows

Nodes

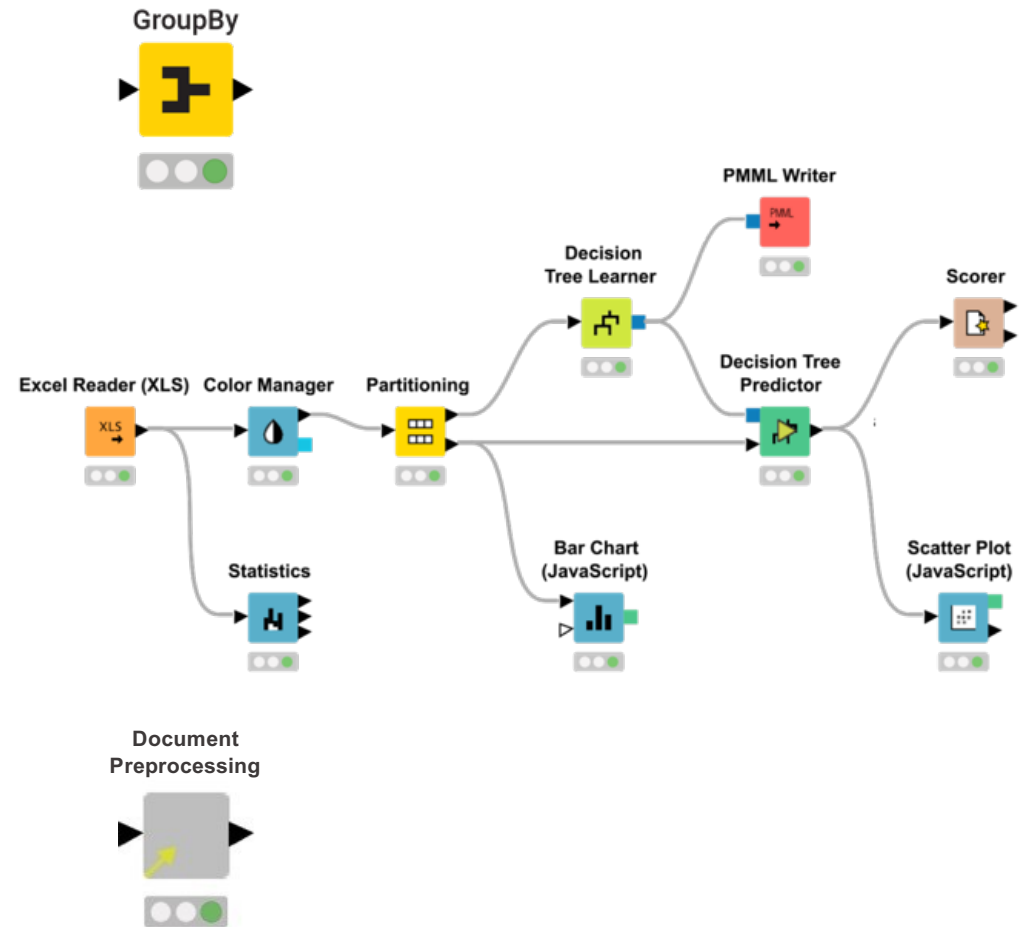
perform tasks on data

Workflows

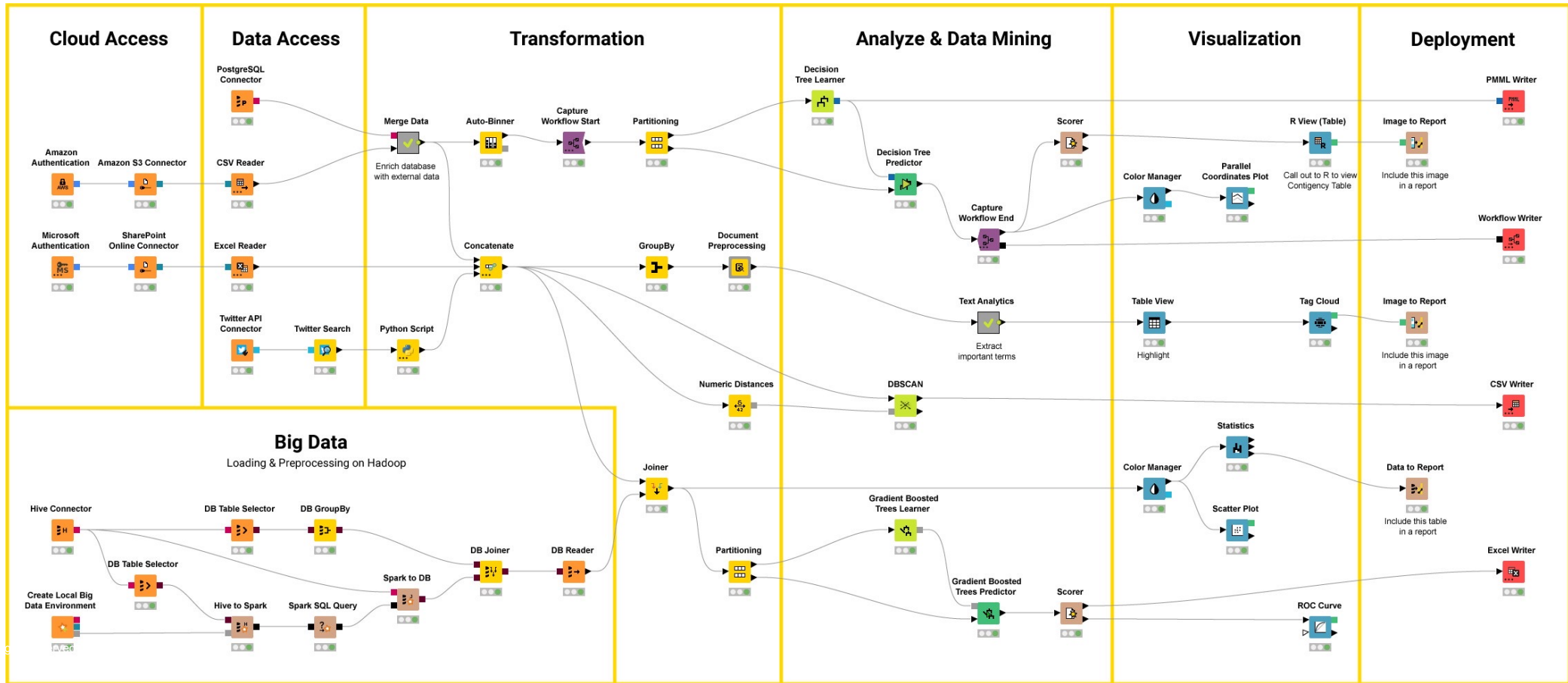
combine nodes to model data flow

Components

encapsulate complexity & expertise

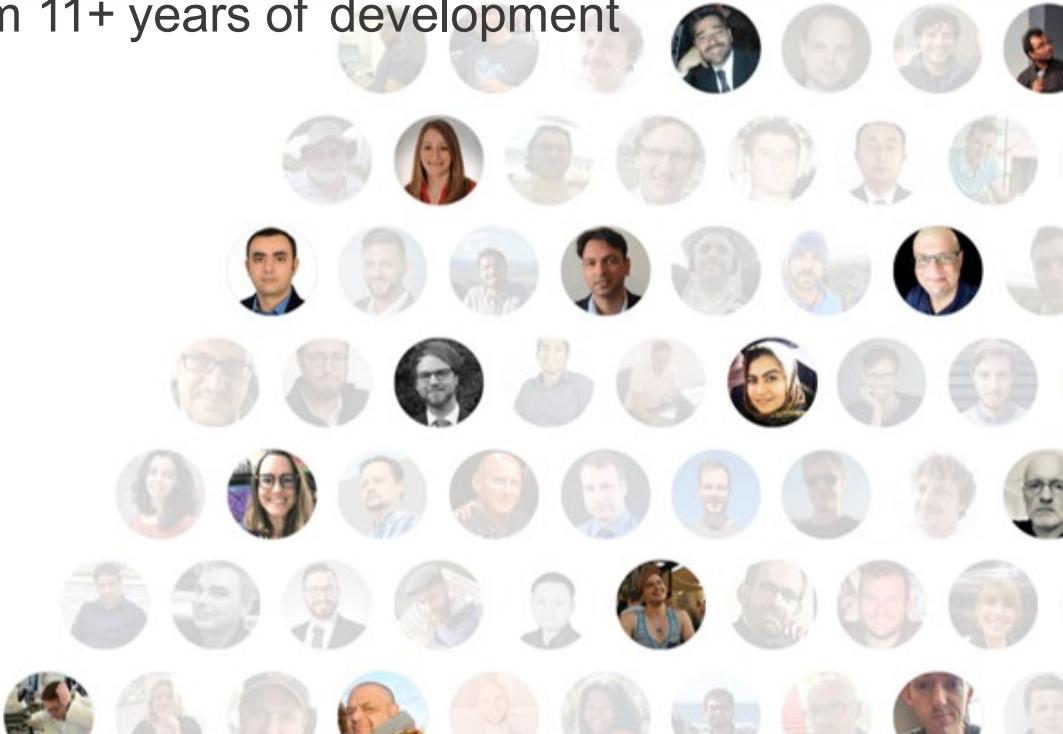


Covering all Stages of the Data Science Life Cycle



250,000 Global Members Actively Contributing to KNIME Hub

- **Explore an ever-growing database** of KNIME nodes, components, workflows and extensions built by our open community and partners
- **Drag and drop any workflows** or components right into your workbench to explore KNIME's capabilities.
- **Learn from 100s of real-world use-cases**, from 11+ years of development



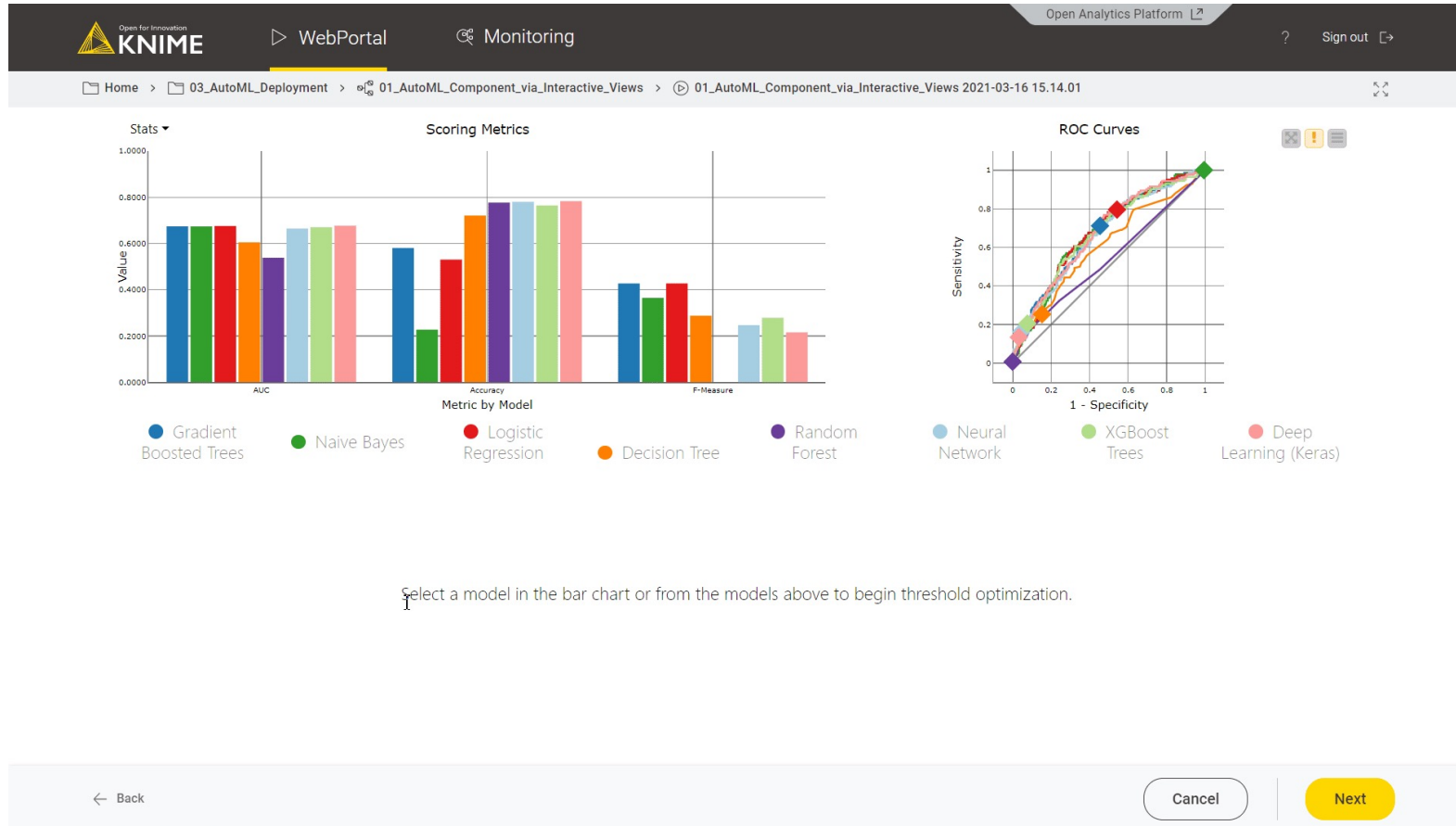
Welcome to the
KNIME Hub

Solutions for data science: find workflows, nodes and components, and collaborate in spaces.

🔍 Search workflows, nodes and more...

3 998	465	4 195	210
Nodes	Components	Workflows	Extensions

Deploy Your Workflows as Data Apps

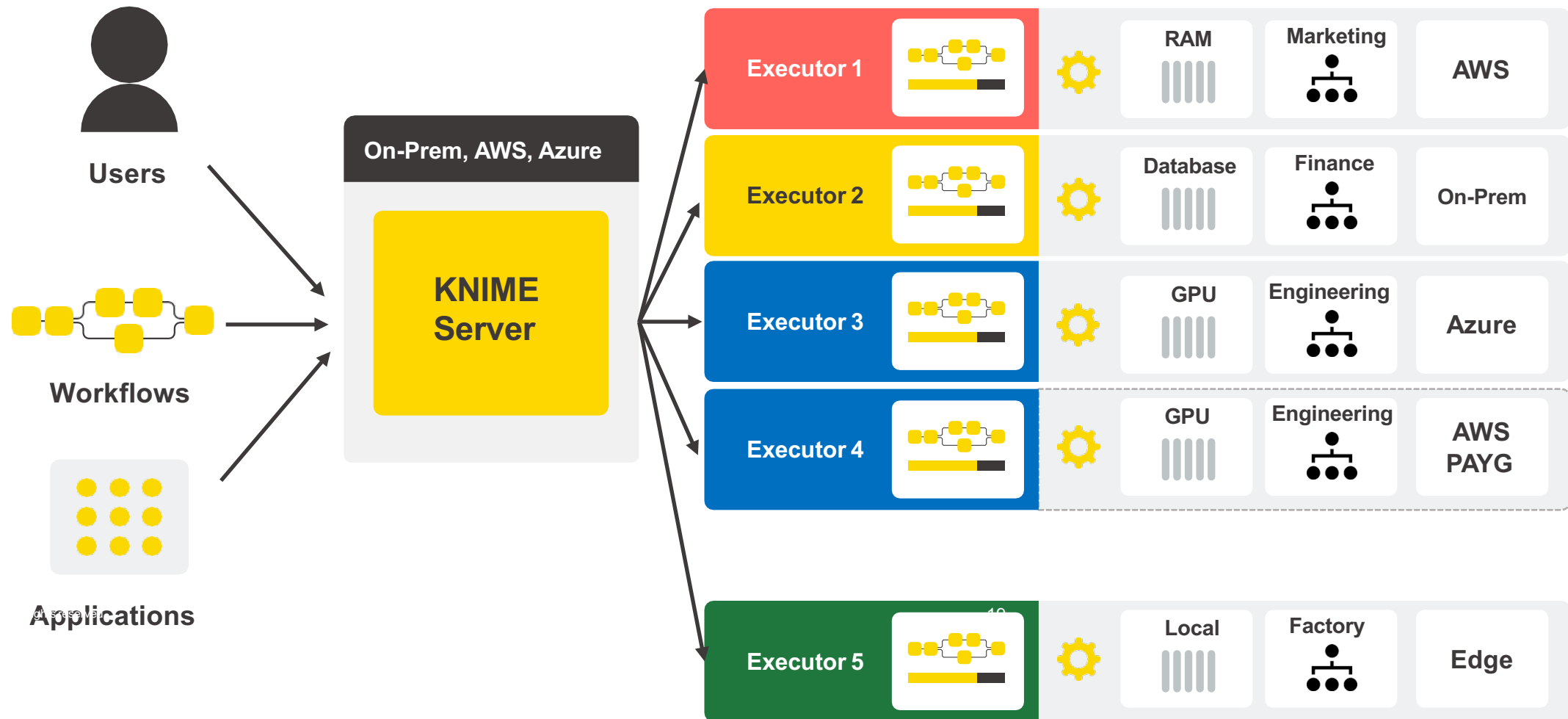


Empower **end users** with data through user-friendly, bespoke data apps.

All workflows can be made available as data apps via KNIME Server (no coding required).

REST endpoint also available to utilize KNIME output within your existing applications

Choice and control for execution



What is coming?

- Continuing to support our clients as they move more execution and collaboration to the cloud
- Enhanced UI/UX
- Support for new 3rd party integrations
- Providing greater flexibility for execution
- Edge Deployment – focus on performance and resiliency
- More vertical and use-case specific tools

Getting Started

- **Take our free, online self-paced courses** to test your understanding along the way.
- **Explore our books and documentation** to keep your team up to speed with best practices for data science.
- **Ask for help on the forum**—we respond to any question unanswered by the community in 12 hours.
- **View explainer videos** on KNIMETV, actively maintained by our evangelism team.



Let's Stay in Touch!

Hub hub.knime.com/

Forum forum.knime.com/

 [linkedin.com/company/knime.com/](https://www.linkedin.com/company/knime.com/)

 twitter.com/knime

 [youtube.com/user/KNIMETV](https://www.youtube.com/user/KNIMETV)





Thank You – See you again soon!

