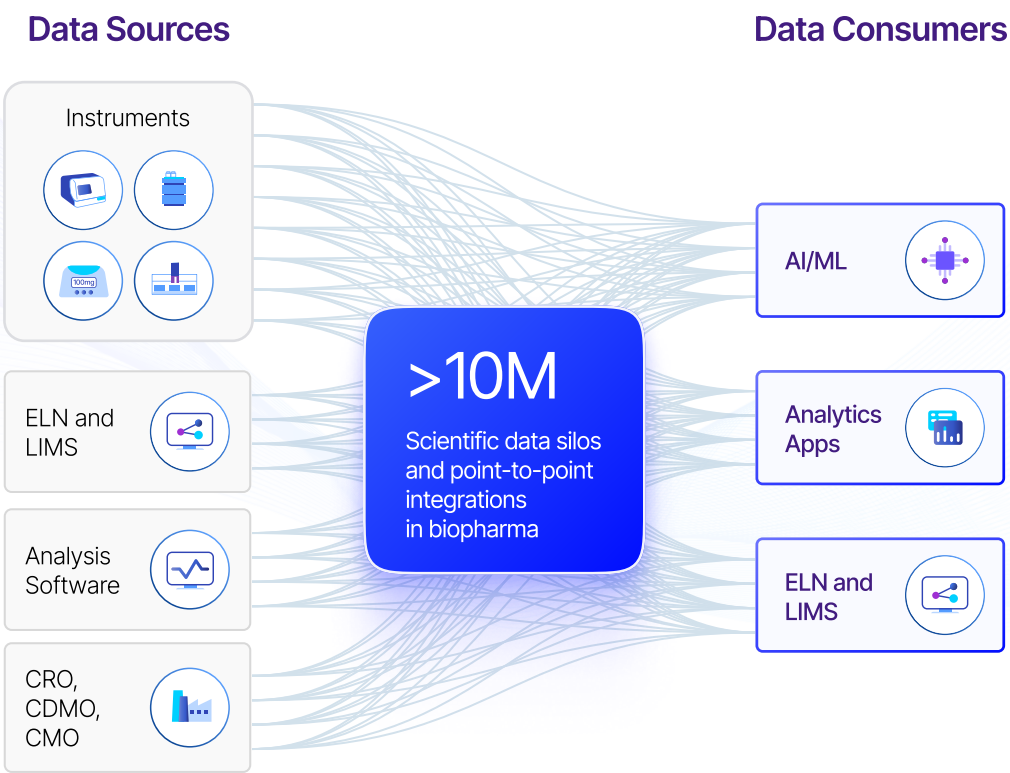
tetrascience

Scientific Data Workflow Automation

The Challenge:
Hidden costs and risks of legacy data workflows



Traditional data workflows are inefficient and error-prone
due to manual data prep, fragile integrations, and poor lineage

$20M
per year wasted preparing data[1]

$13M
per year lost due to poor data quality[2]

7x
more likely to repeat experiments[3]

The Solution:
Scientific data workflow automation at scale

Tetra Workflows enable scientists and IT teams to

1. **Automate** data flow to and from ELN, LIMS, LES, and instruments
2. **Find, access, and reuse** data and results seamlessly
3. **Leverage** our library of 100s of integrations and pipelines
4. **Reduce IT burden** with visual and AI-assisted apps
5. **Build and scale** using a powerful, innovative self-service toolkit

The Result:
Real impact across science, IT, and business

IT outcomes

90%
Reduction in implementation time

Up to
70%
Less time to build, test, and deploy scientific workflows

40%
Faster creation of custom integrations

$2.5M
Savings through end-to-end automation

Scientific outcomes

60%
Fewer steps in scientific workflows

40%
Increased lab productivity

4x
Reduced error rate and higher-quality data

65%
Fewer deviations

Transform your workflows, your data, your science. It starts with scalable automation.

Take the first step

References

1 TetraScience customer survey: 50% of scientists' time, $100 hourly rate, 200 scientists

2 Gartner, "Data Quality: Best Practices for Accurate Insights," 2020, https://www.gartner.com/en/data-analytics/topics/data-quality

3 AWS & TetraScience: 500 Pharma Executives Research Survey, 2022, https://www.tetrascience.com/research-report/aws-tetrascience-500-pharma-executives-research-survey