

PHUSE APAC Connect 2026

Hyderabad

AD09: Intelligent Integration: Enabling Collaborative Clinical Insights with an SCE and R

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R Shiny Apps

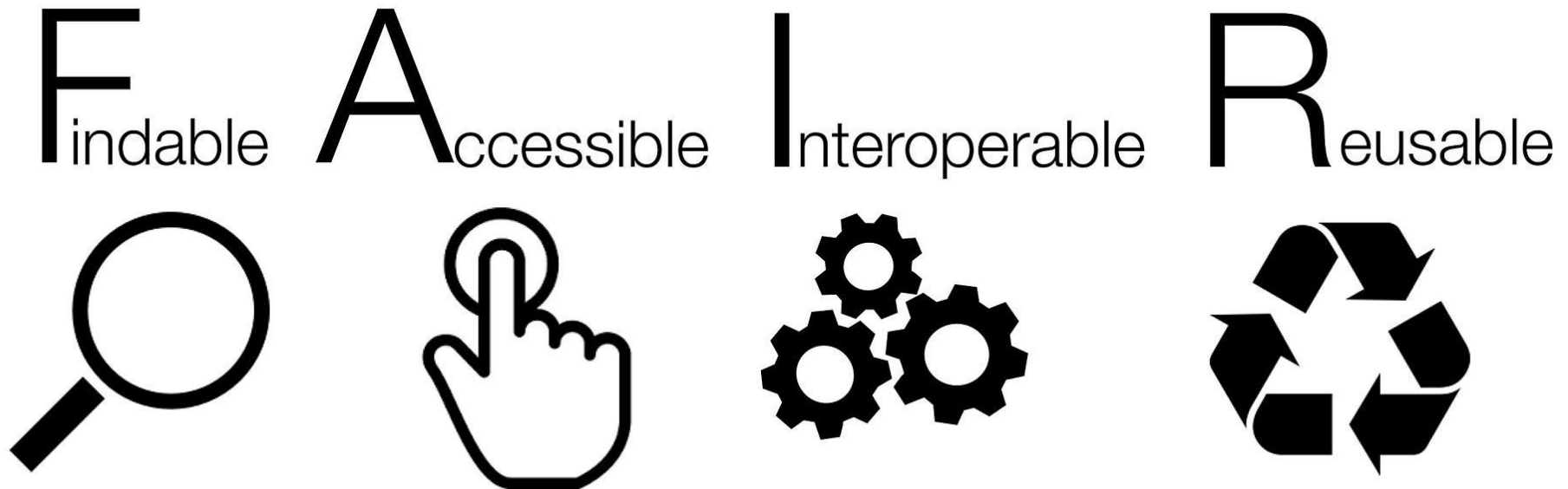
Open-Source tools in clinical R&D to analyze and visualize data



https://github.com/ryjohnson09/adam_analysis

- Transformation of analysis into interactive web applications
- Shared apps available on GitHub, Pharmaverse, Tidyverse

FAIR Principles



https://commons.wikimedia.org/wiki/File:FAIR_data_principles.jpg

Problem: The Data Source



Clinical Data Repository

- Access rights protected
- Data not accessible
- Data silo



Check-out / Check-in

- First generation SCE
- Copy data to personal work area
- Data are locked for other users
- Limited collaboration



Snapshots

- Copy of current state
- Work area without control
- No audit trail
- Potentially outdated
- No data protection



Automated Data Export

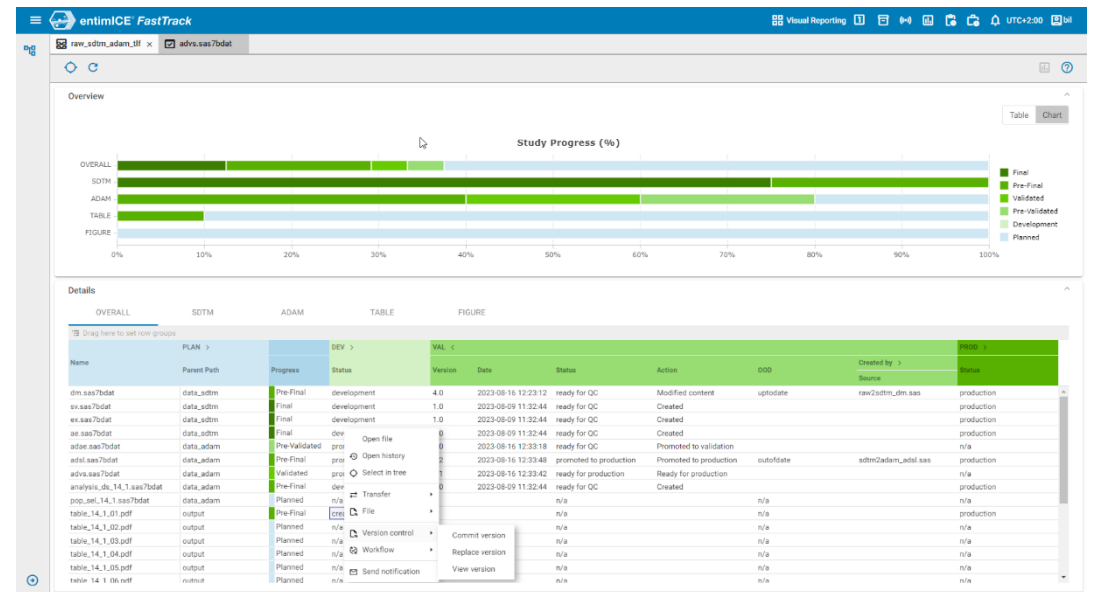
- Data export as part of app
- Always up to date
- Additional programming effort
- No audit trail
- No data protection

The Solution

Ingredient 1: Statistical Computing Environment



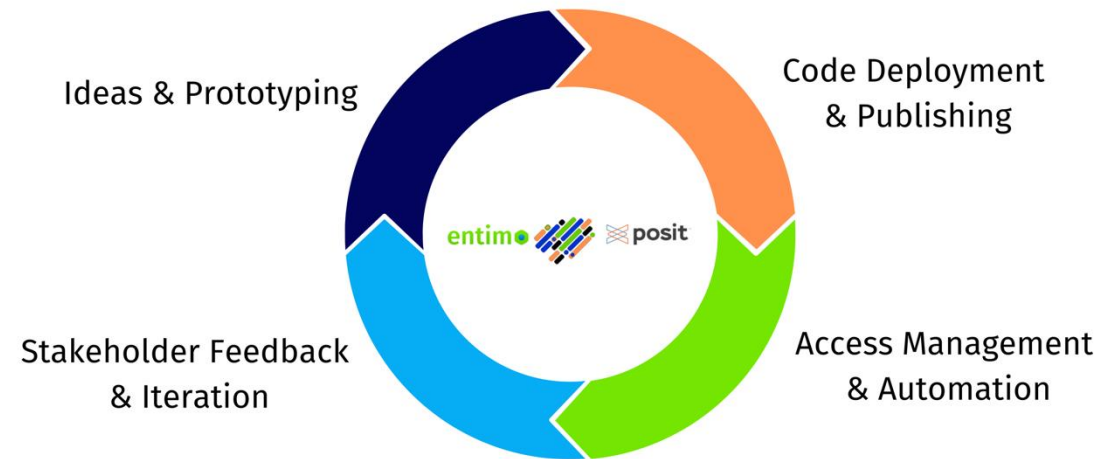
- FAIR data access
- Data integrity
- Compliance
- Single point of truth

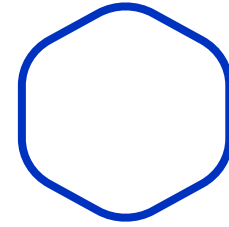


The Solution

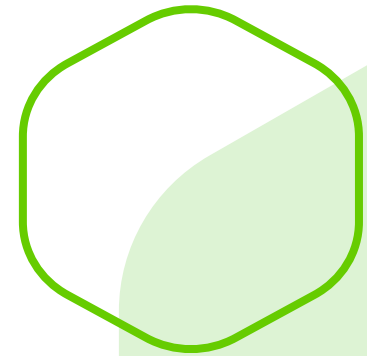
Ingredient 2: Posit Tools

- Posit Workbench
- Posit Package Manager
- Posit Connect
- Tight integration with SCE





LIVE DEMO

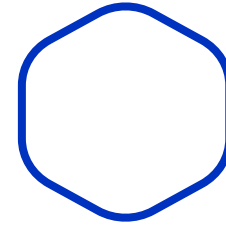


Thank you

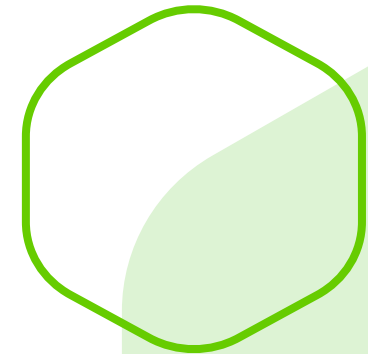


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Q&A



About entimICE FastTrack

entimICE FastTrack Clinical Data Repository and Statistical Computing Environment significantly increases the efficiency of the clinical data science processes, and supports customers to master the constantly growing study pipelines, resource bottlenecks and increasing regulatory requirements.



Experience

20+ years of industry experience in MDR/CDR/SCE
PHUSE engagement and whitepaper coverage



Flexibility

Pre-configured on best industry practices
Configurable hierarchies, workflows and permissions



Technology

Modern cloud technologies
Reliable performance, scalability and usability



Compliance

Effortless regulatory compliance
GxP audit trail, version control, history, execution trace, ...



Security

State of the art data security and data privacy
Single tenant cloud for highest data protection



Openness

Open API and standard interfaces
Custom integrations and tools