

Using a Standards Library to support end-to-end CDISC automation

Stuart Malcolm Head of Standards, Efficiency and Automation Veramed



Meet the Speaker

Stuart Malcolm

Title: Head of Standards, Efficiency and Automation

Organization: Veramed

Stuart Malcolm is Head of Standards, Efficiency and Automation at Veremed where he is responsible for the delivery of software platforms, tools, and techniques to optimise the delivery of clinical trial analysis projects

Stuart has over 25 years experience delivering software-based solutions in clinical trials, and has previously worked in telecoms, finance and media.

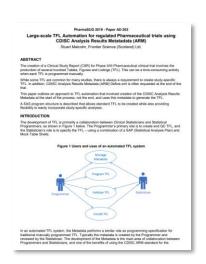
Stuart is co-chair of PHUSE Emerging Trends & Technology Working Group

"To define the future, one must study the past"

TFL Automation using CDISC Analysis Results Metatadata (ARM)

PharmaSUG 2019

A Language-Orientated Approach to CDISC Metadata-Driven Automation CDISC Interchange 2023







Automation of TFL Generation using CDISC 360 Enriched Metadata CDISC EU Interchange 2020



Disclaimer and Disclosures

• The views and opinions expressed in this presentation are those of the author(s) and do not necessarily reflect the official policy or position of CDISC.

• The author(s) have no real or apparent conflicts of interest to report.



End-to-End Vision



What is 360?

360 is the CDISC initiative aimed at implementing standards as linked metadata with a conceptual foundation providing the additional semantics needed to support metadata driven-automation across the end-to-end clinical research data lifecycle.

New software tools will be able to consume this new metadata to ease standards implementations while increasing data processing efficiencies.

Standards-based metadata-driven automation is a critical component in realizing the primary benefits expected of the CDISC standards: substantially improved efficiency, consistency, and re-usability across the clinical research data lifecycle.

These benefits drive the return on investment in the CDISC standards implementations expected by CDISC stakeholders.

"SUBSTANTIALLY IMPROVED

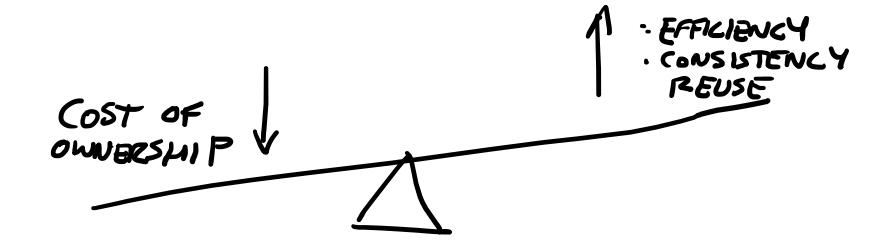
- EFFICIENCY
- GNSISTENCY
- REUSABILITY

ACROSS THE CLINICAL RESEARCH LIFECYCLE

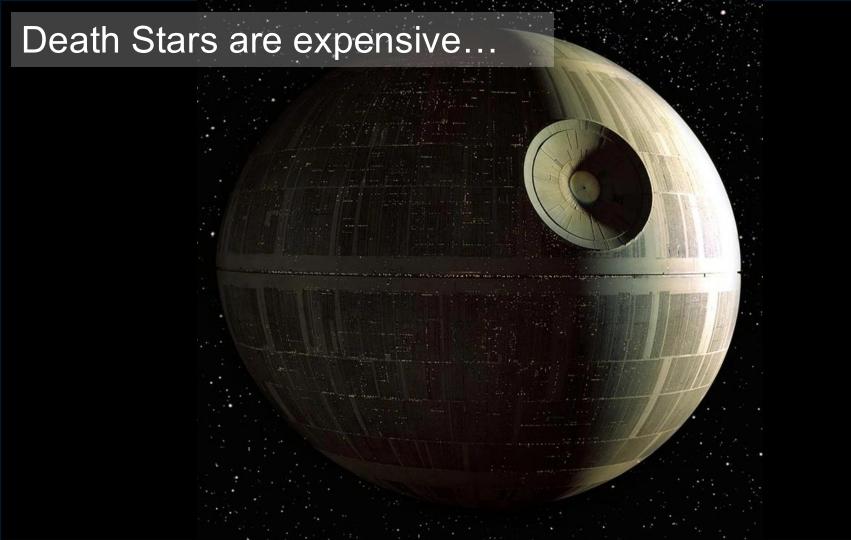




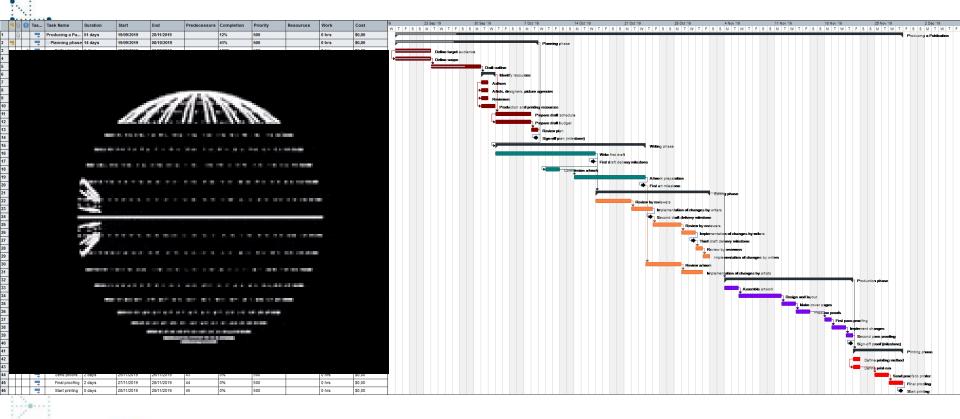
Substantially Improved...





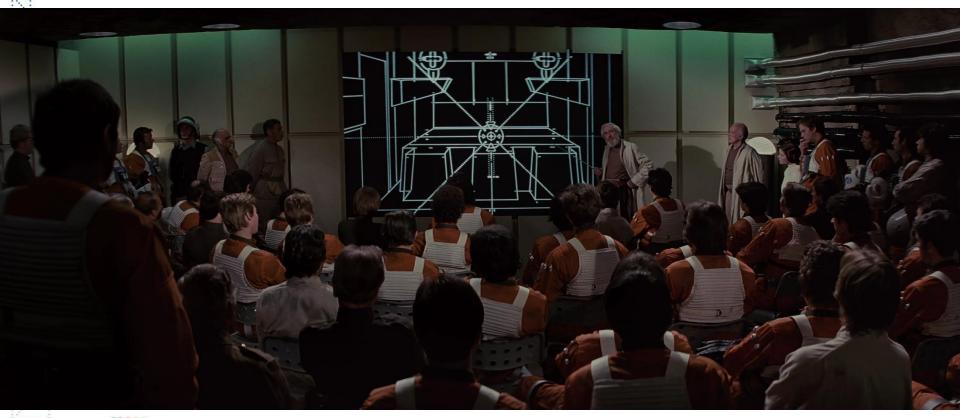


...take a lot of time and effort to build, and..





...are static and hard to change!





What if we could build trials out of components?..





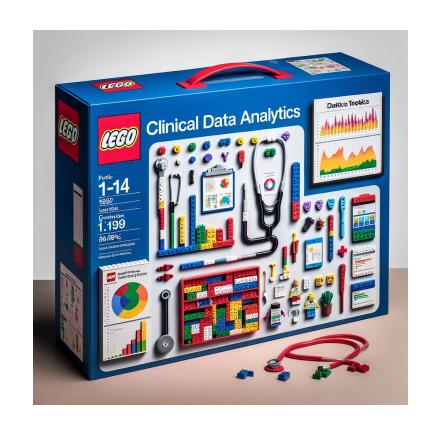








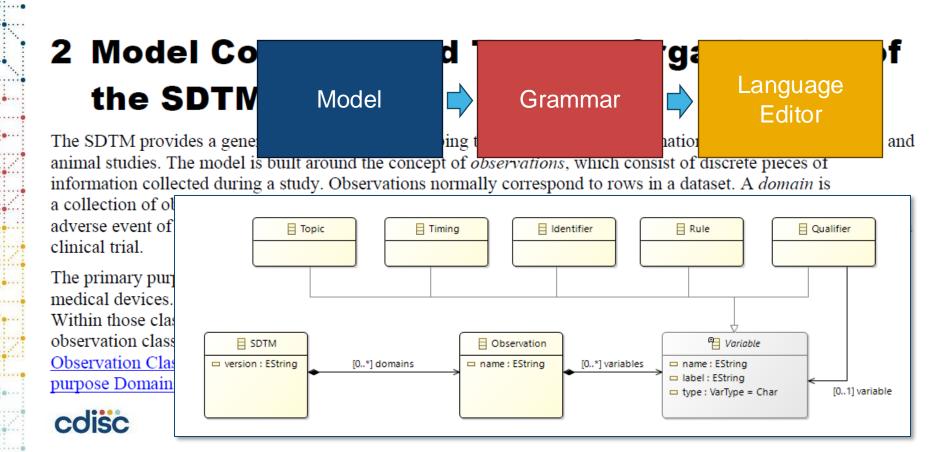




It's not metadata... it's a model

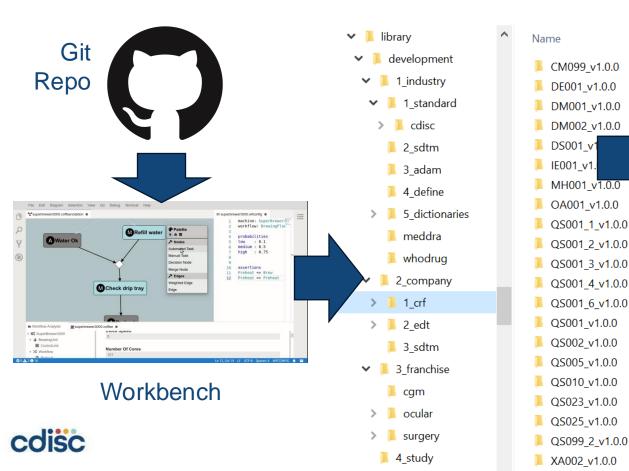


It's not metadata... it's a model





Standards Library

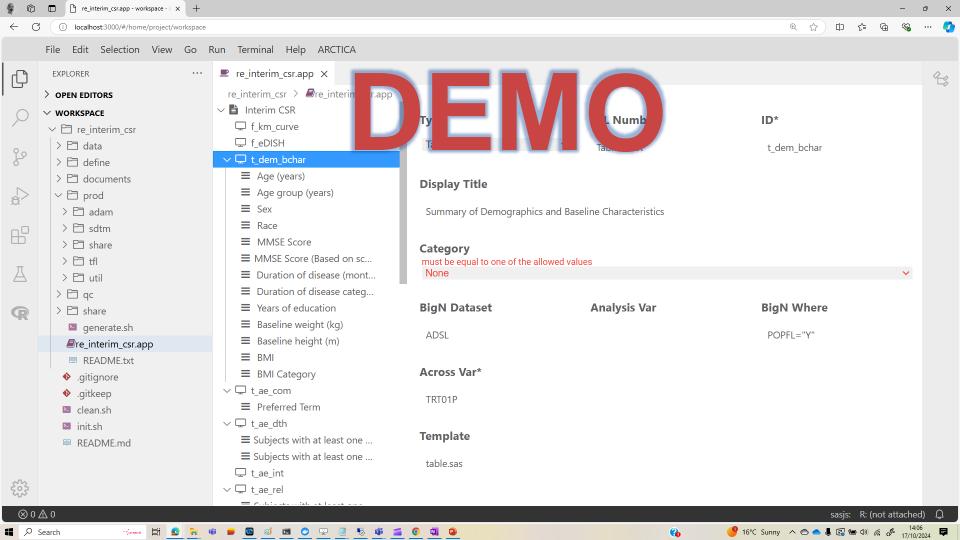


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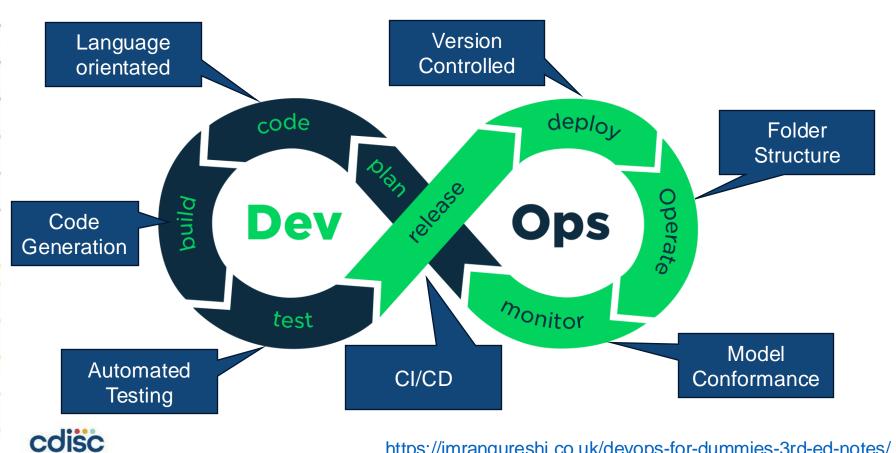




Consumer Program



An agile approach to standards management





A New Hope? Agile, Decentralised and Automated







Thank you!

Stuart Malcolm

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