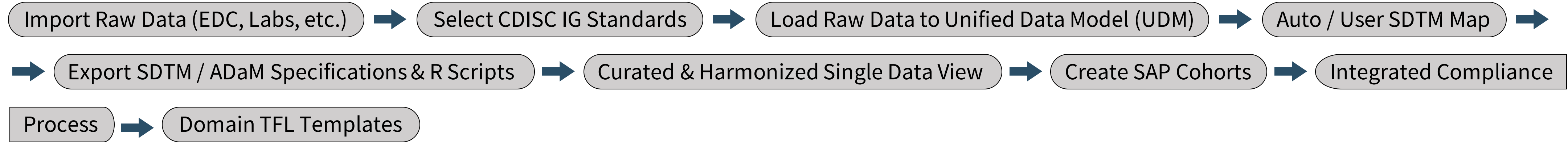


**CDISC – 360
Metadata Artifacts:**

Setup Configuration [Study: Protocol (**PRM**), Design, Workflow, Visits, Parameters], Standards Selection (**CDISC IG**), Data Collection [Raw Data, CRF, **CDASH**], **Control Terminology, MedDRA**, Tabulation (**SDTM IG**), Analysis (**ADaM IG**, BDS), **ARM, Define.xml**

PROCESS



GOALS

Project Management, Documentation, Standards, Automation (Low Coding), Quality, Productivity (Fewer Resources), Budget (Less Expensive)

REASONS

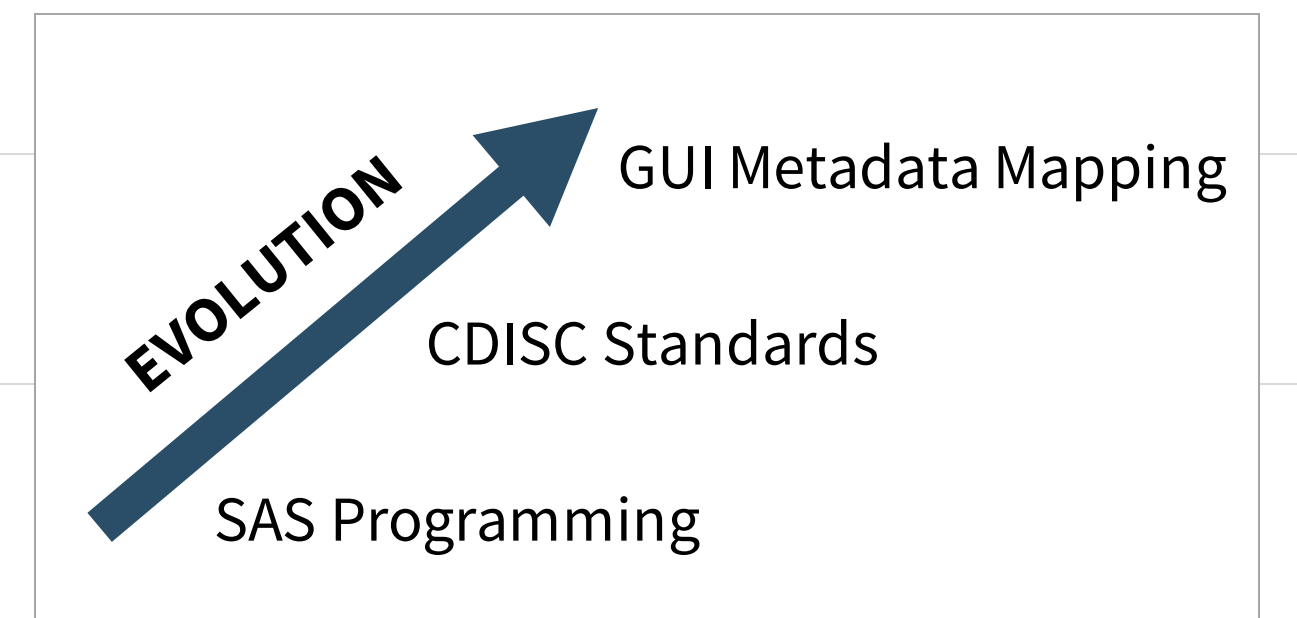
Project Complexity, CDISC Compliance Requirement, Traceability / Audit Trail, Enforce Hundreds of Rules

**INTELLIGENCE
DESIGN**

Machine Readable / Learning (Decision Tree Process / Pattern Recognition / Consistency)

**CROSS-
REFERENCE**

Directories, Structure / Transpose, Study / Project, Datasets (BDS), Variables, Order, Required, Value-Level, Control Terminology, CDISC IG Rules, Results, Links, Name, Type (Numeric, Character), Length, Label, Format, Units, Descriptive Stats, Codelists (Unique, Missing, Range, Keys, Max Length)



| EDC / Labs / CRF | Metadata / CDISC Deliverables | | | Study Documentation Define.xml | Regulatory Compliance eDV / SDRG / ADRG |
|---|--|---|--|--|---|
| | SDTMs | ADAMs | TFLs | | |
| DATA: Raw Codelists | Standard Domains Standard Variables Standard Terminology Codelists | Safety / Efficacy Derived Variables Codelists | SAP | Documentation Control Terminology Value-Level Metadata Raw / Derived Variables | Documentation Data Issues Compliance Issues |
| METADATA / CDASH SPECIFICATIONS: Attributes, Structure, PRM | SDTM IG Rules Control Term IG Rules MedDRA Export Specifications | ADAM IG Rules Control Term IG Rules (Optional) Export Specifications | ARMs BDS Independent of ADaMs | Define.xml IG Rules SDTMs / ADaMs Snapshot Integrated Links to CRF pages User-Interface Edits | Snapshots / Links |
| USER INTERFACE MACHINE LEARNING PRODUCTIVITY: | Joins / Transpose Auto / User Mapping Templates Drop-down lists | SAP Mapping Auto / User Mapping SAP Cohorts Drop-down lists | SAP Cohorts Domain Templates Drop-Down Lists | IG Mapping Templates | Template Mapping PhUSE Templates |
| TRADITIONAL PROGRAMMING PRODUCTIVITY: | Source / QC | | | Separate Tool Out-of-Sync | Separate Tool Manual Updates |
| | Attribute Macros Variable Macros | Attribute Macros Variable Macros | Reporting Macros | | |