

eTRIKS HARMONIZATION SERVICE PLATFORM

THE TRANSLATIONAL RESEARCH HARMONIZED DATA REPOSITORY

IBRAHIM EMAM^{1*}, VAHID ELYASIGOMARI¹, PHILIPPE ROCCA-SERRA², DORINA BRATFALEAN³, YIKE GUO¹

¹Data Science Institute, Imperial College London, ²Oxford e-Research Centre, Oxford University, ³CDISC Europe Foundation, Inc,
*i.emam@imperial.ac.uk

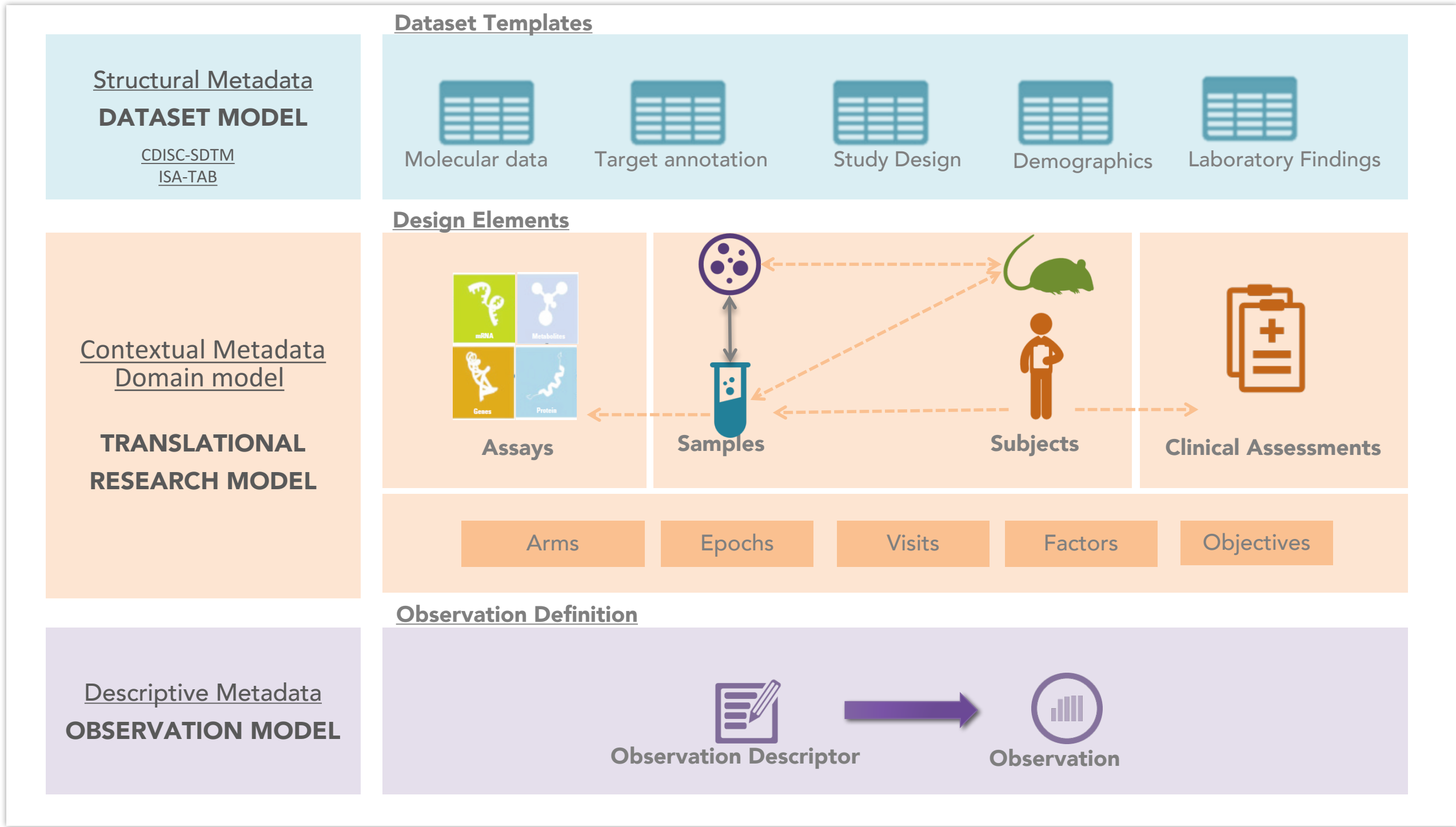


BACKGROUND

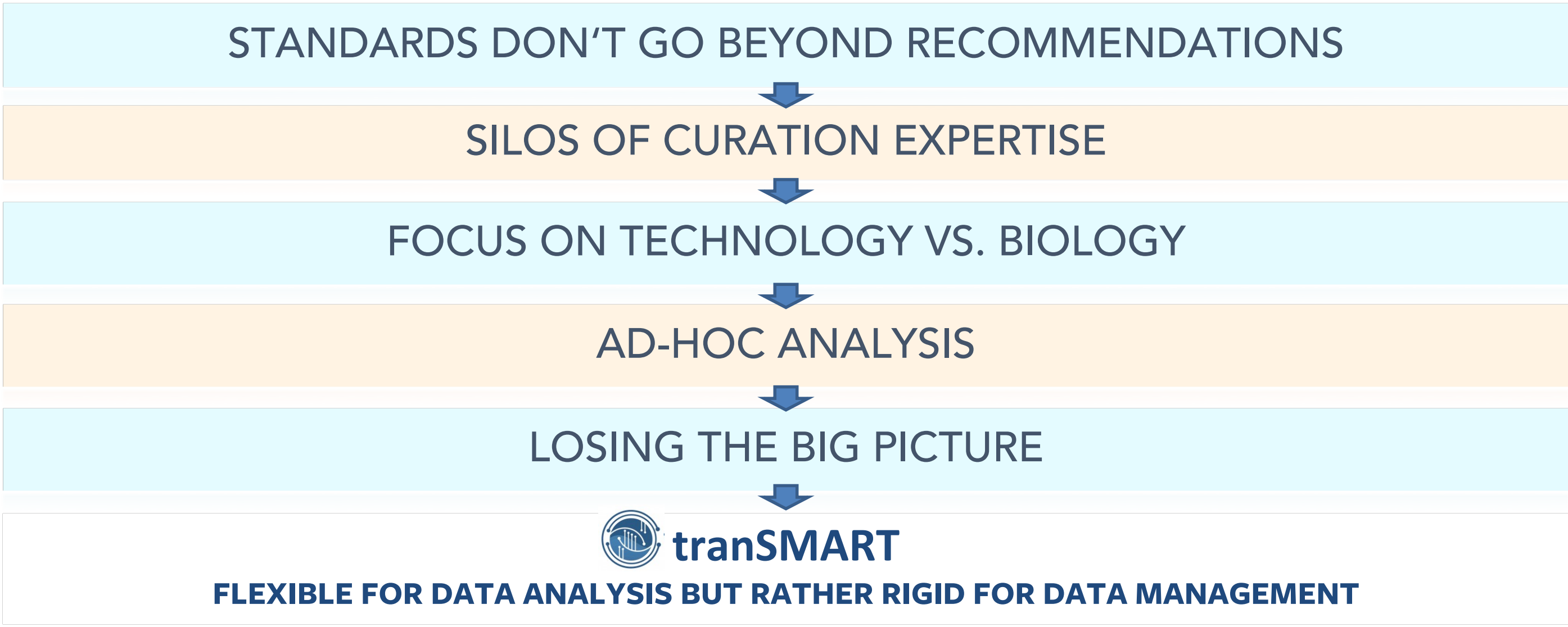
A common feature of translational research studies is their approach to generate diverse types of biological and medical data bridging the otherwise disjoint domains of clinical and basic research. BioSPEAK-DB is a new standard compliant data repository for translational research data, part of the eTRIKS Harmonization Service (eHS) platform. BioSPEAK-DB is modeled on a newly developed hybrid data model that integrates clinical and biomarker assays (omics) standards for reporting data and meta-data elements. This metadata model builds on already existing standard community initiatives in clinical and molecular (omics) data management, such as CDISC-SDTM and ISA-TAB. The platform provides easy and intuitive data management, querying, visualization and export capabilities for end users as well as third party tools integration.

STANDARD COMPLIANT METADATA FRAMEWORK

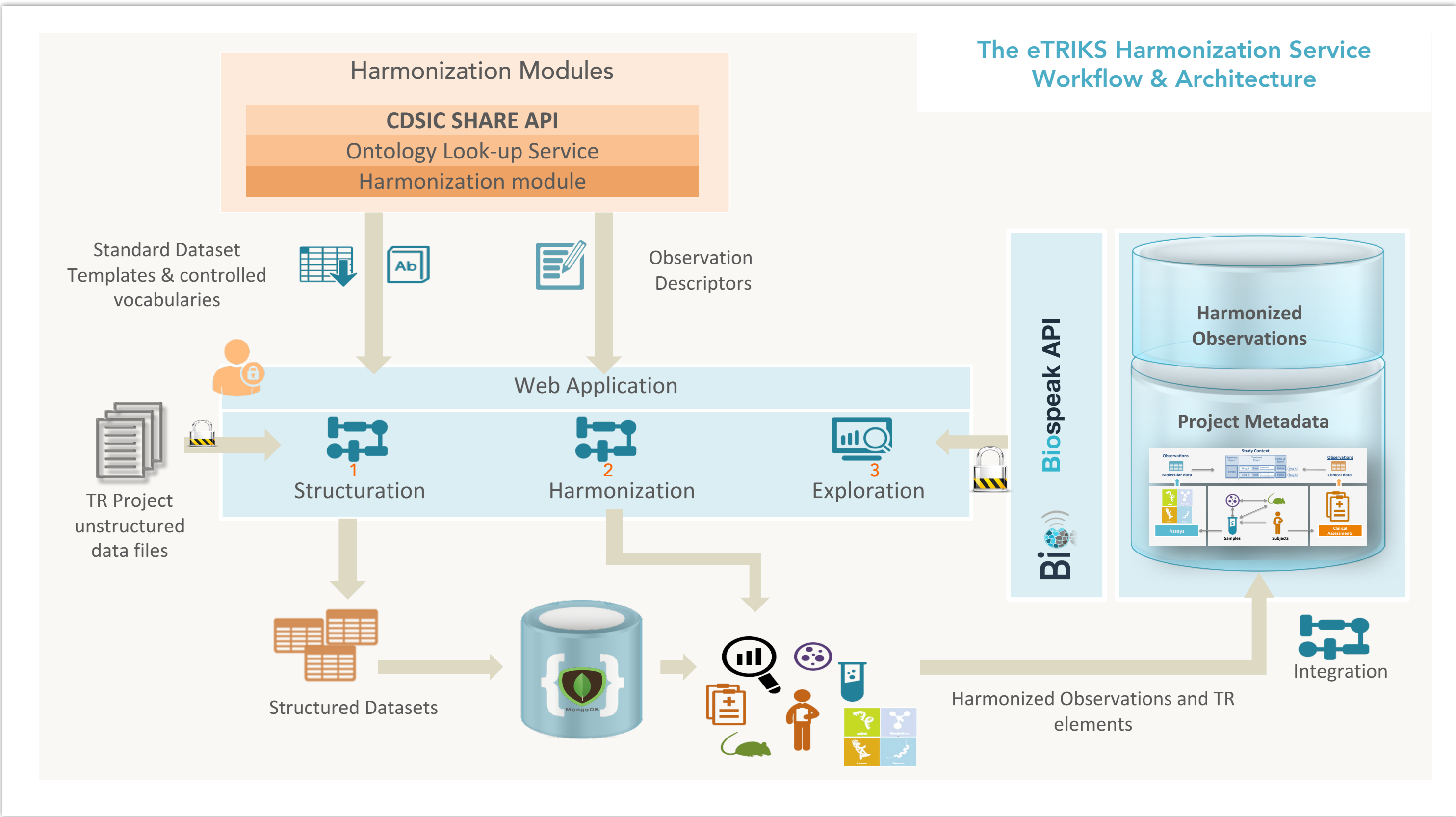
A new multi-faceted metadata framework for translational research data providing structural metadata describing input datasets, contextual metadata describing study elements and their relationships and harmonized descriptive model for data access.



DATA INTEGRATION CHALLENGES & MOTIVATIONS

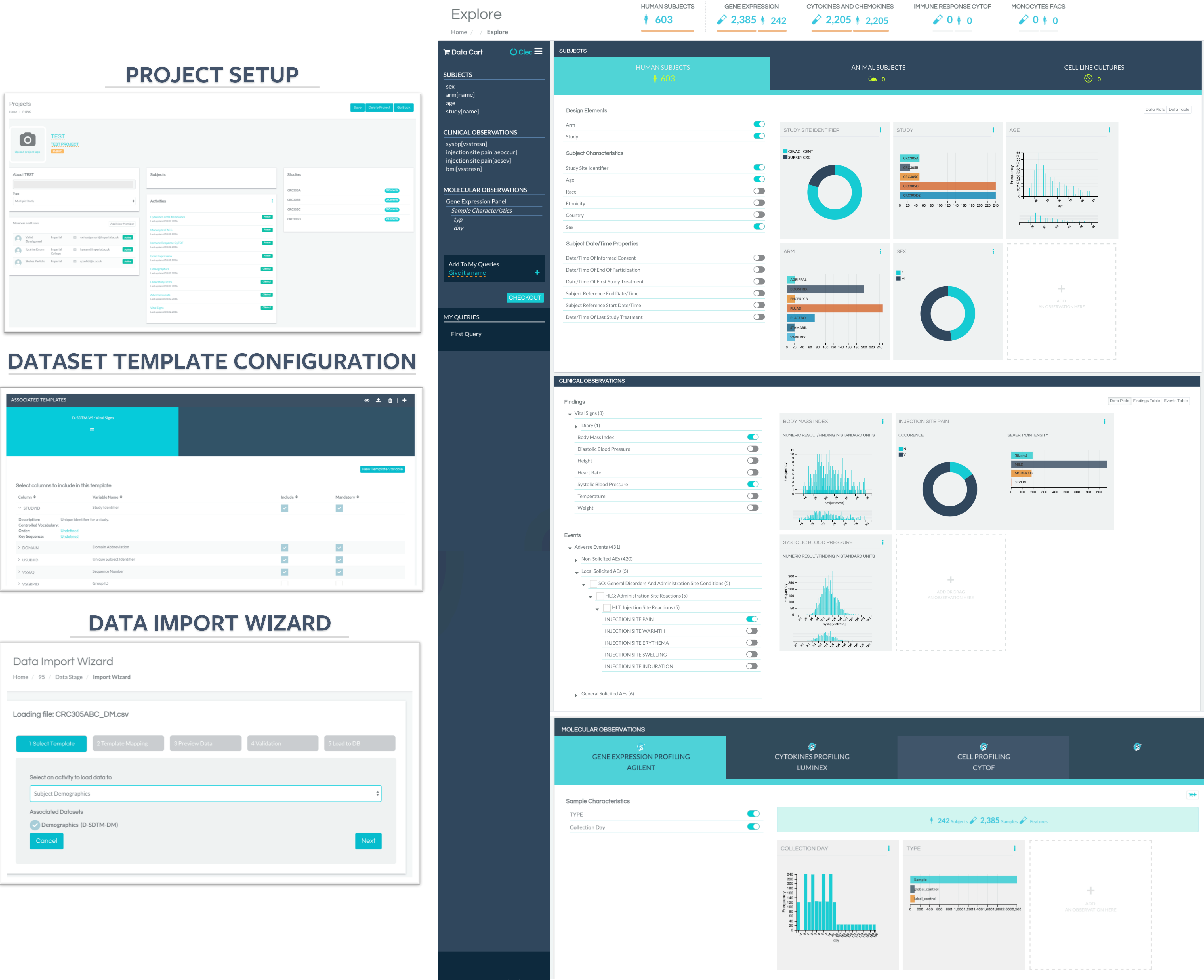


WORKFLOW AND ARCHITECTURE



USER INTERFACE

INTEGRATED UI FOR VISUAL ANALYTICS



DATASETS CHECKOUT

Type	Name	No. Subjects	No. Samples	Status
PHENOTYPE	Subject Metadata	241	-	Download
PHENOTYPE	Gene Expression Sample Metadata	241	2310	Download
PHENOTYPE	Gene Expression Assay	241	2310	Download

USER EXPORT DATASETS

Type	Project	Name	No. Subjects	No. Samples	Status
PHENOTYPE	95	Age and Race	603	-	Download
PHENOTYPE	95	Agripal and Enerxig	42	-	Download
PHENOTYPE	95	h	603	-	Download
PHENOTYPE	95	test subjects	21	-	Download
PHENOTYPE	95	test Cyto	21	231	Download
PHENOTYPE	95	test cyto assay	21	231	Download



Acknowledgements
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