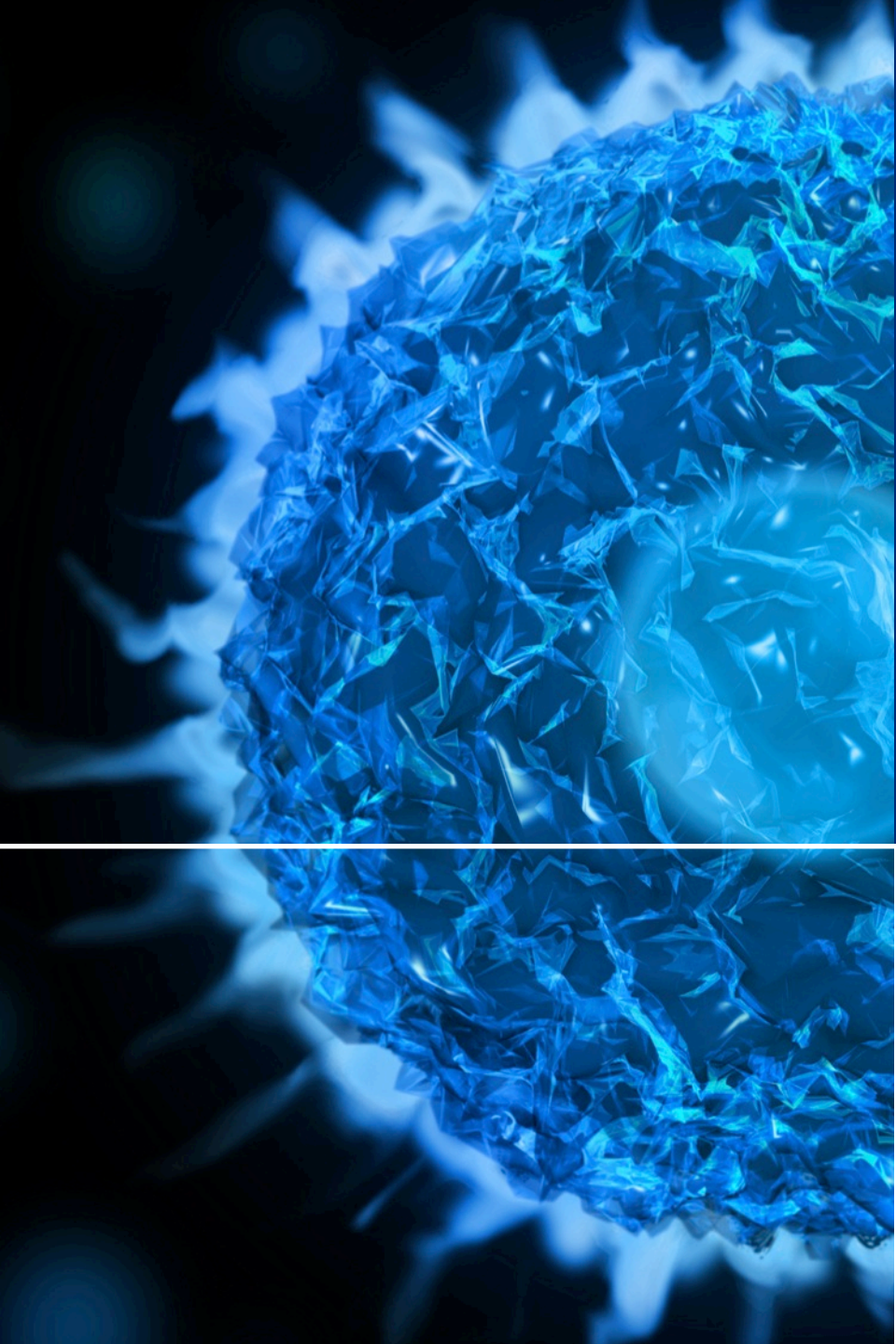




CONCEPT BASED METADATA REPOSITORY: BREAKING DOWN THE SILOS

November 9th 2017, Durham, NC
Julius Kusserow

PAREXEL[®]
YOUR JOURNEY. OUR MISSION.[®]

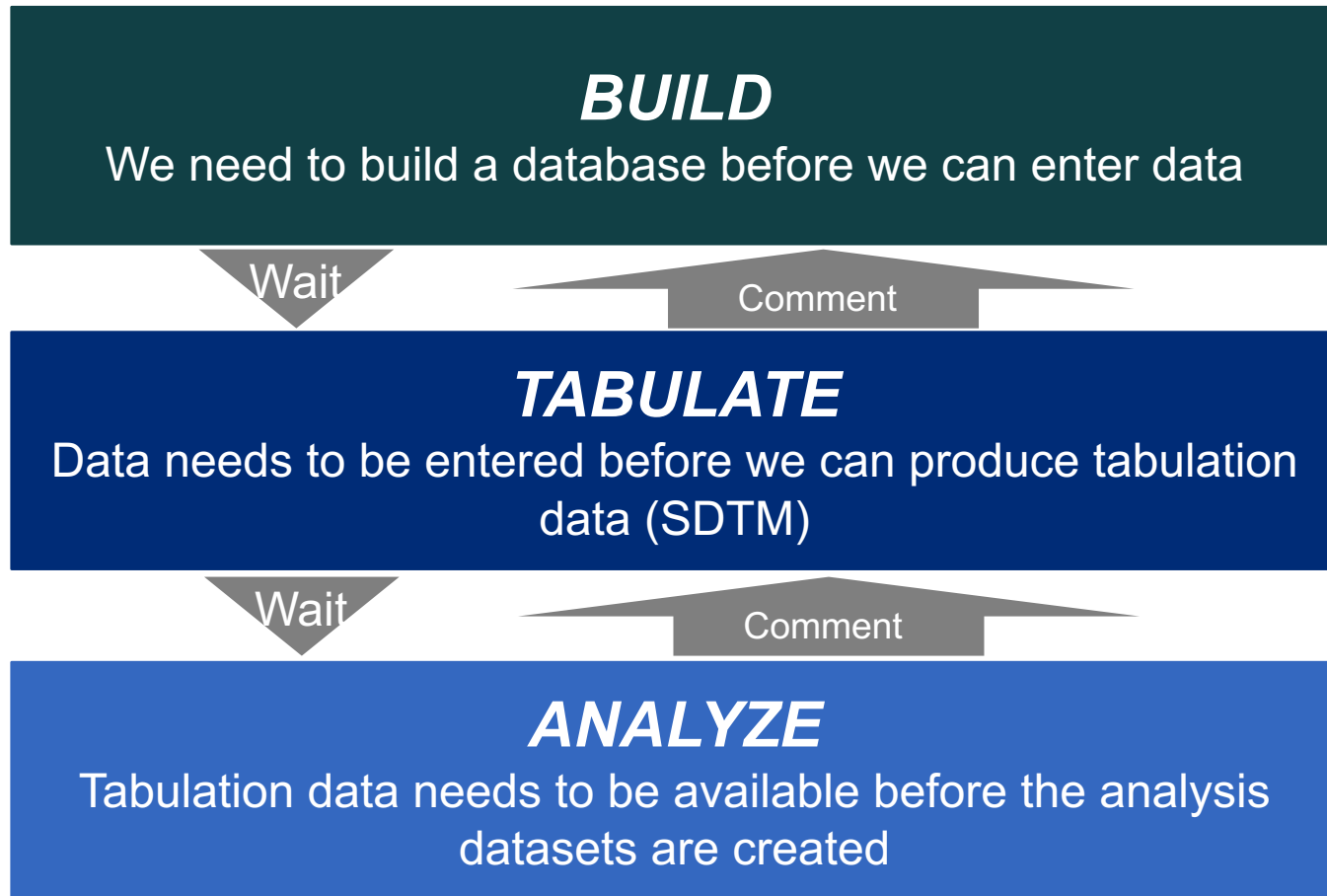
AGENDA

- Looking at the silos
- The hub & spoke model
- Discussion on meaning full concepts
- How to achieve automation

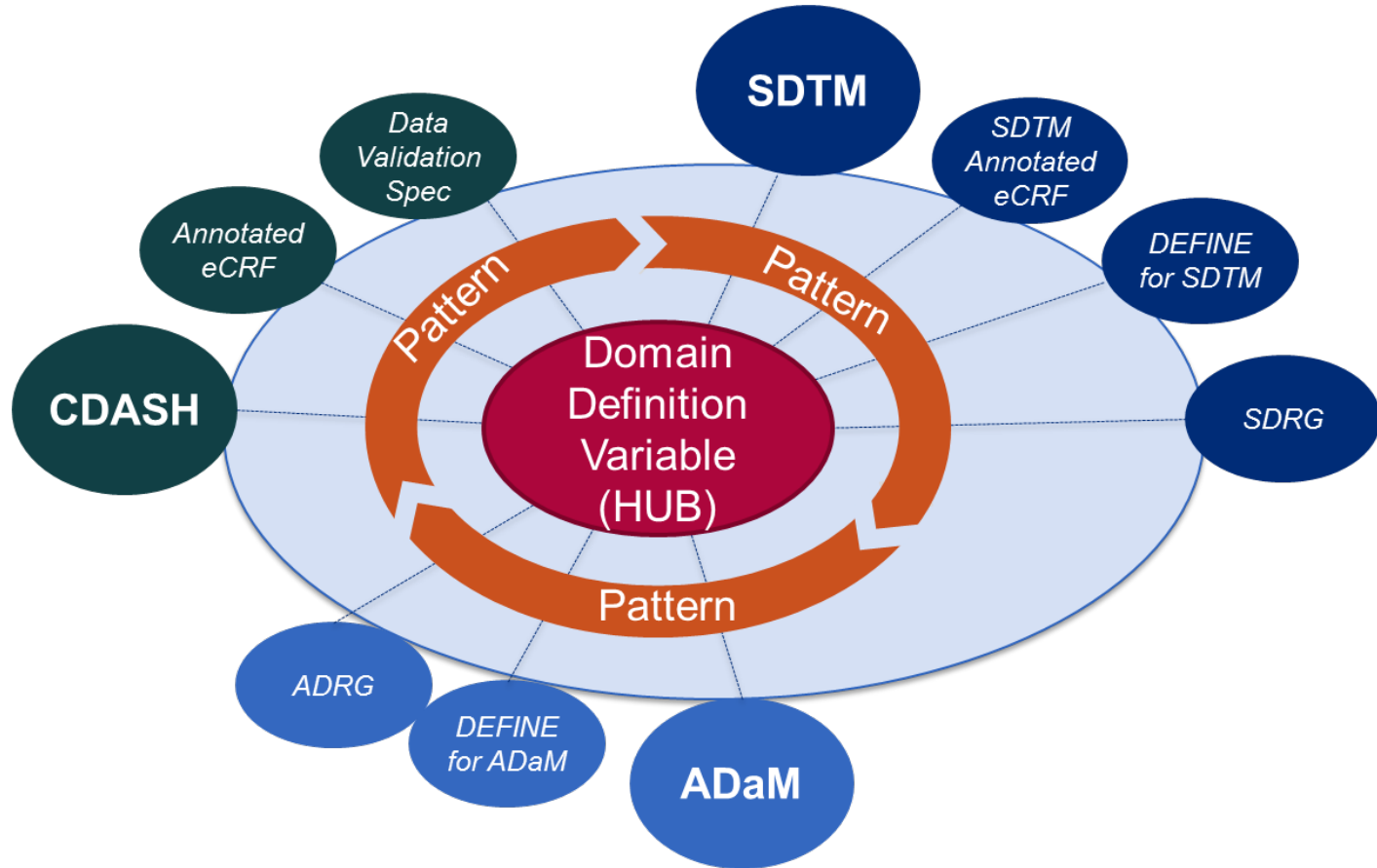


LINEAR BUILD - “WALKING THE LINE”

We work in a linear way... with circles



HUB AND SPOKES

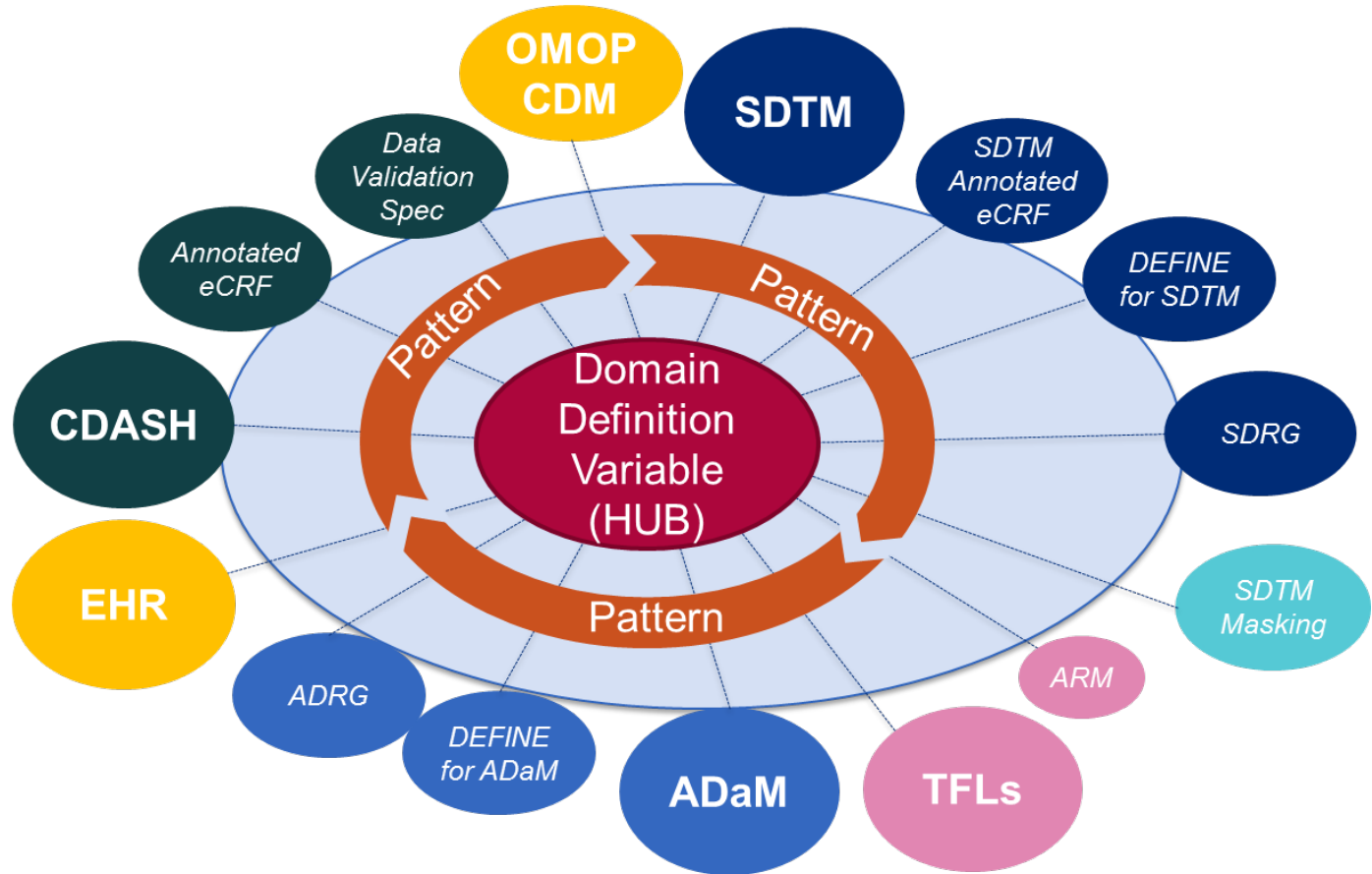


Same things in the real world are represented by a concept.

The pattern allows a logical association between:

- one **Domain Definition Variable** in the Hub, representing a concept
- and different **Spoke Variables**, representing different expressions of the concept

...IN THE FUTURE

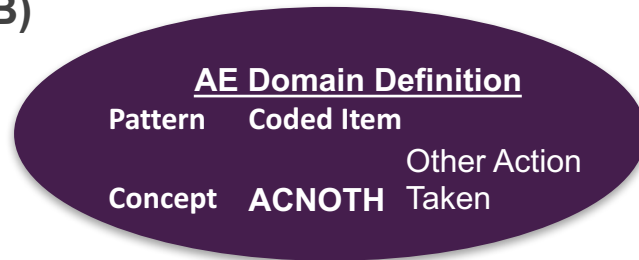


The pattern can be extended (if needed) to allow a logical association of already defined **Domain Definition Variables** to new **Spokes**

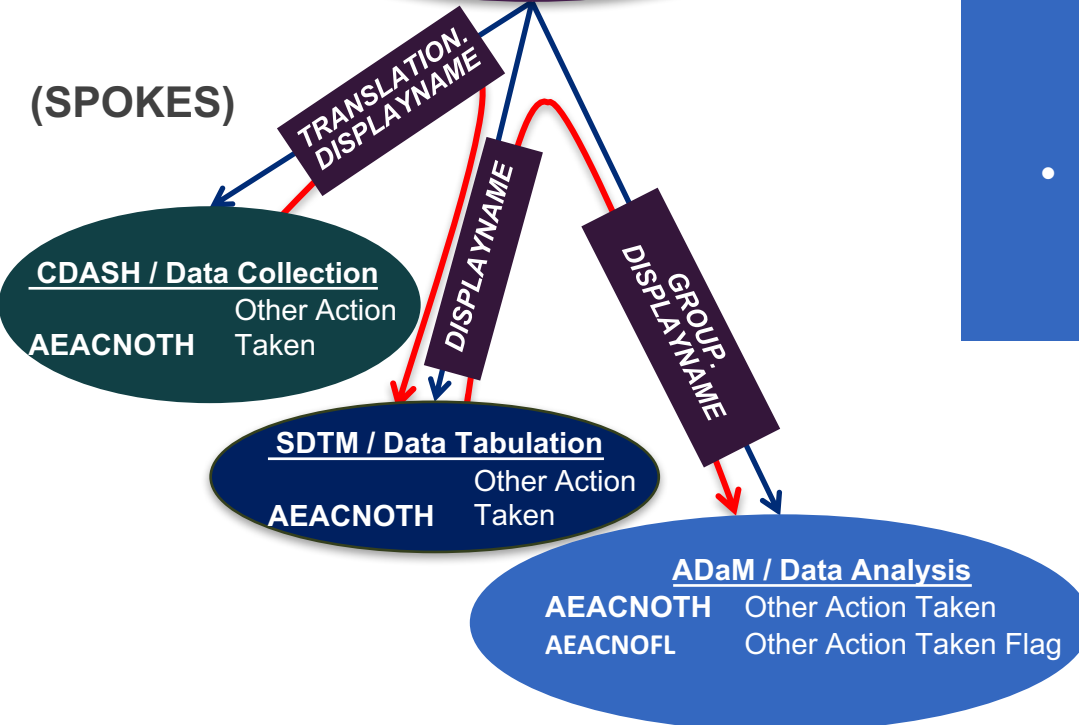
...IN AN EXAMPLE

- *ISO 21090 BASED CLINICAL RECOGNIZABLE CONCEPTS*
- *DATA IS MAPPED TO AND FROM A HUB*
- *USABLE FOR CDISC AND OTHER DATA MODELS*

(HUB)

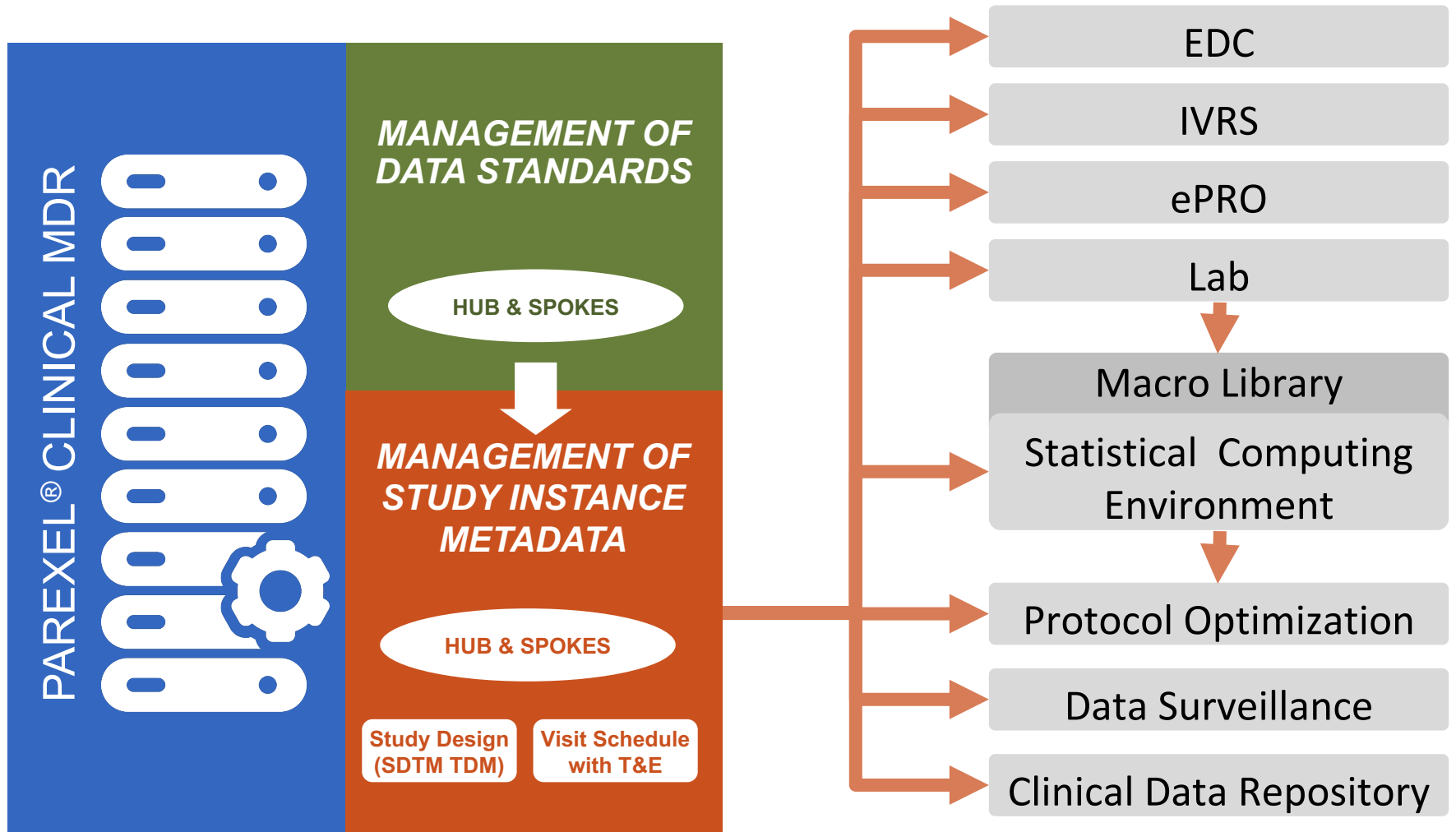


(SPOKES)

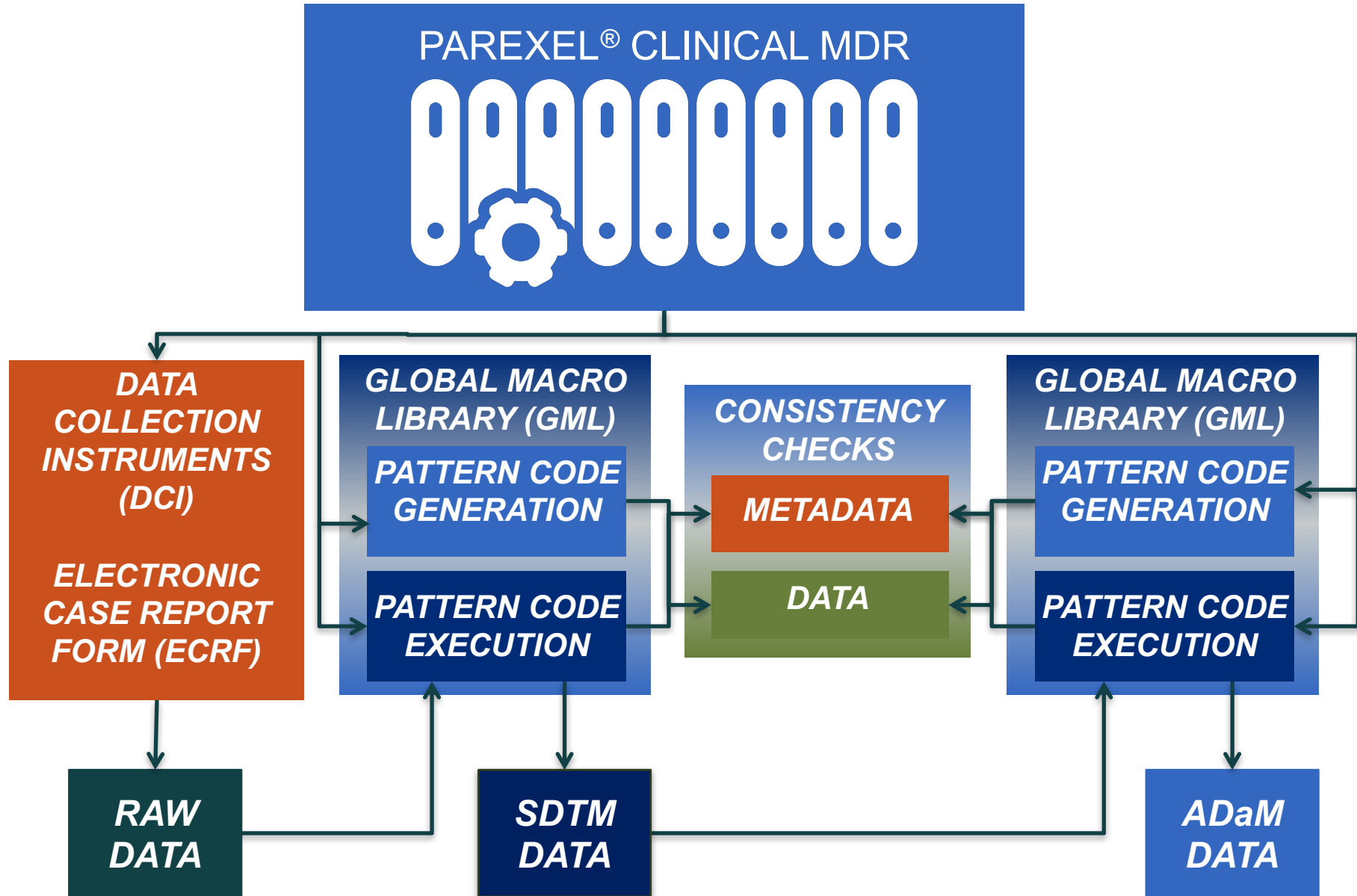


- Mapping by declaration to concepts
- Allows End to End (E2E) data flow dry-run without data
- Study teams worry about the what not the how

THE METADATA REPOSITORY



...USED IN PROGRAMS



CONCLUSION

By defining algorithms that relate to each pattern applied in the PAREXEL® Clinical MDR; we can automate the majority of tabulation and analysis dataset mappings and associated population.

PAREXEL® Clinical MDR and patterns facilitate



SIMULTANEOUS



CONSISTENT



EFFICIENCY

THANK YOU