



Reporting & Visualisation : D'un standard maison au format CDISC

CDISC

D'un standard maison au format CDISC

Jérémy MAMBRINI

Florence WAGER



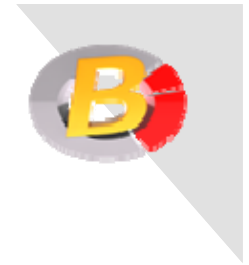
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SERVIER

Reporting & Visualisation using
CDISC format

Conclusion & Recommendations



CDISC Implementation at SERVIER



Why



➤ Regulatory point of view (Electronic Submission)



➤ Standardisation, Interoperability, Transparency, Efficiency, Exchange

Partners

Cost Saving

Guidelines

Traceability



Internal Standards

Data Pooling

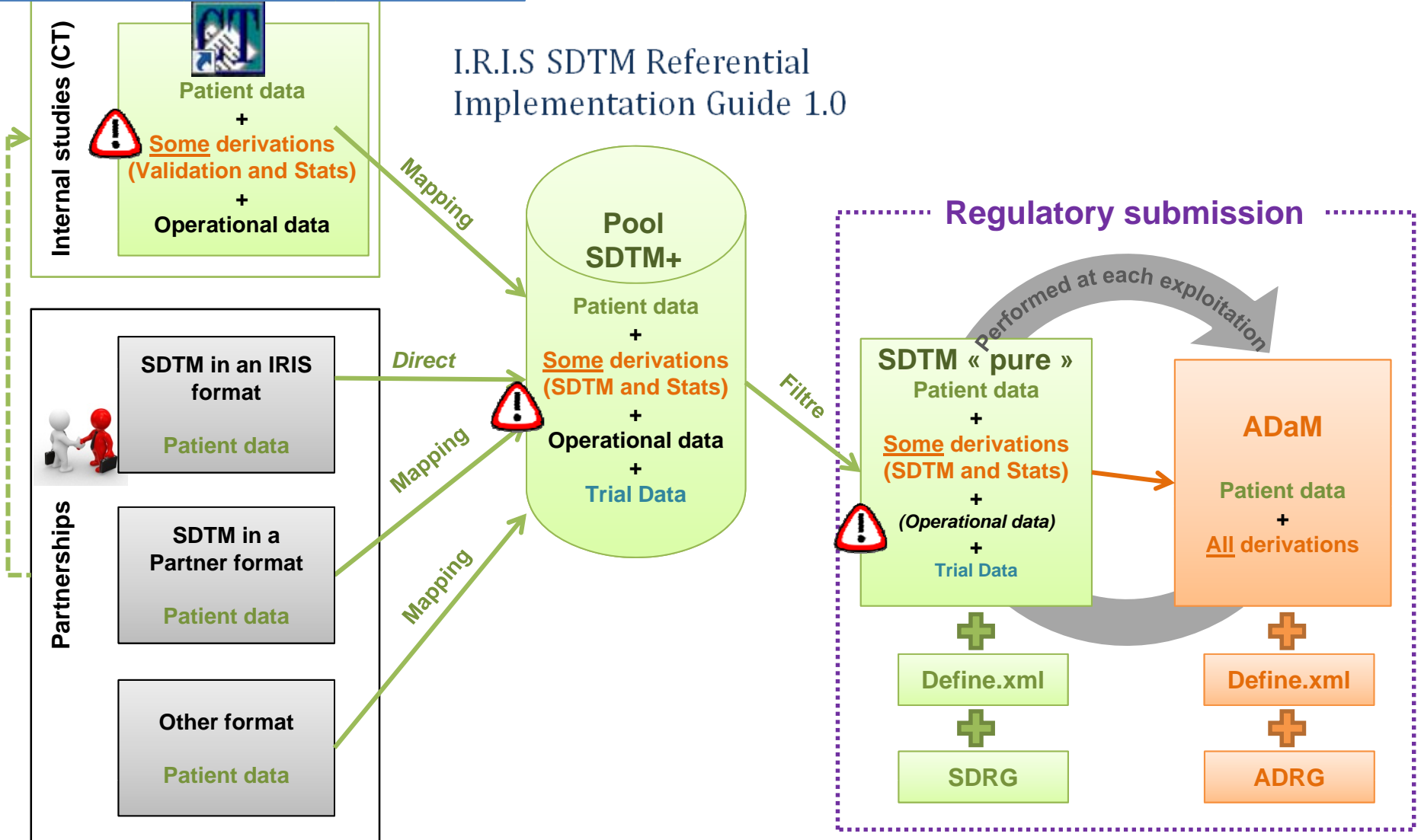
How : Data Flow



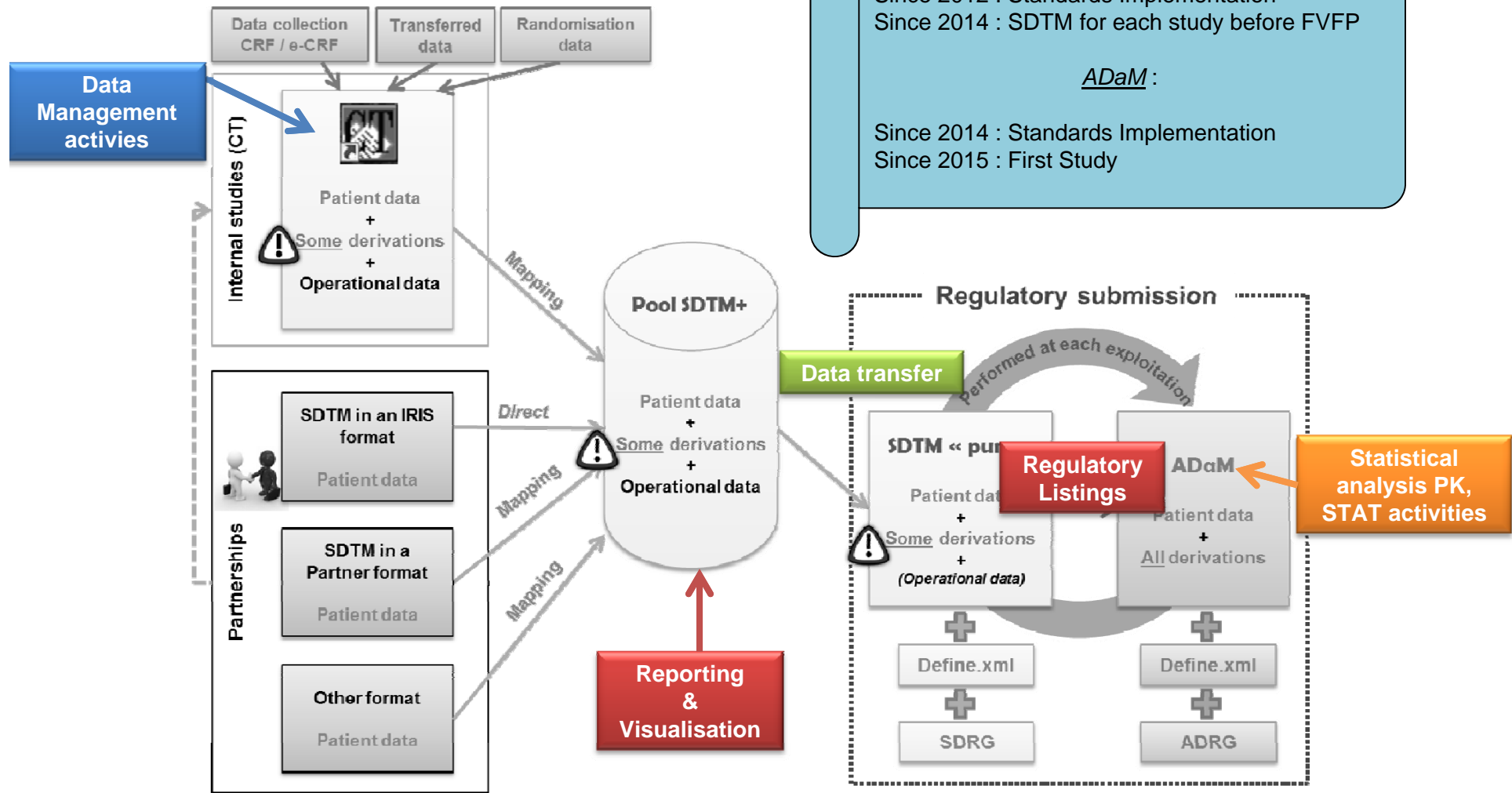
Data collection
CRF / e-CRF

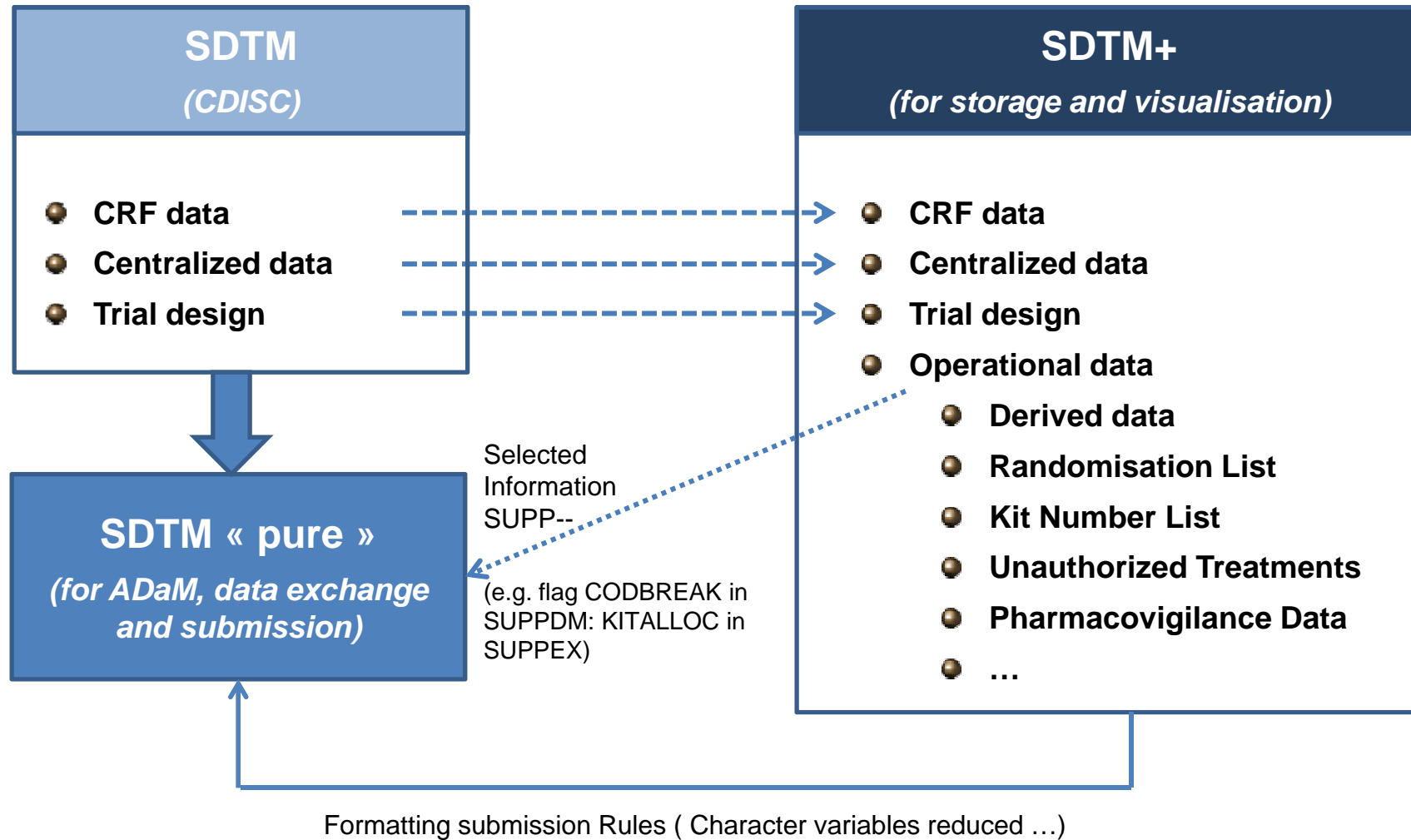
Transferred data

Randomisation data



How : Activities





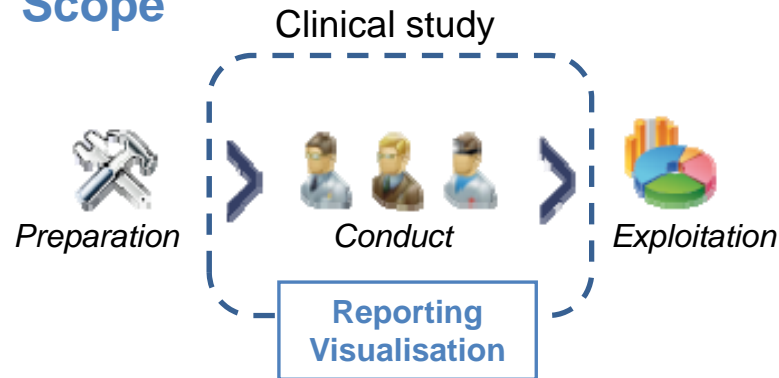


Reporting & Visualisation using CDISC format

format

What are we talking about ?

Scope

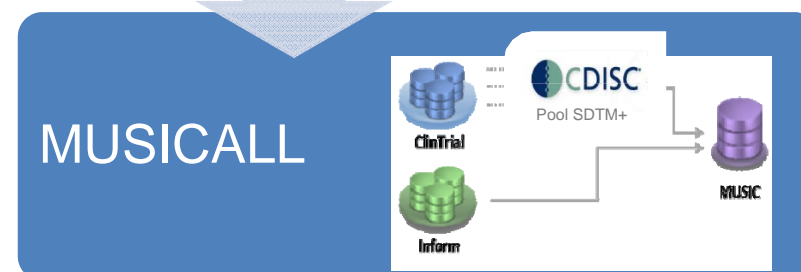
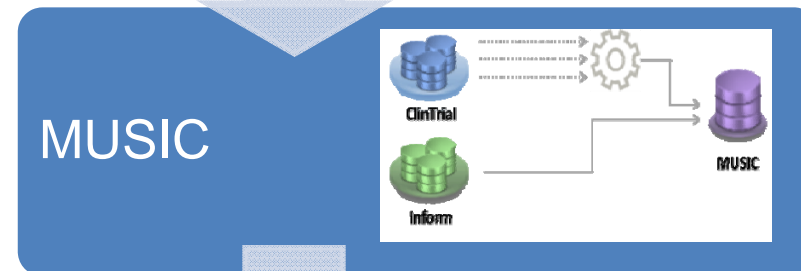
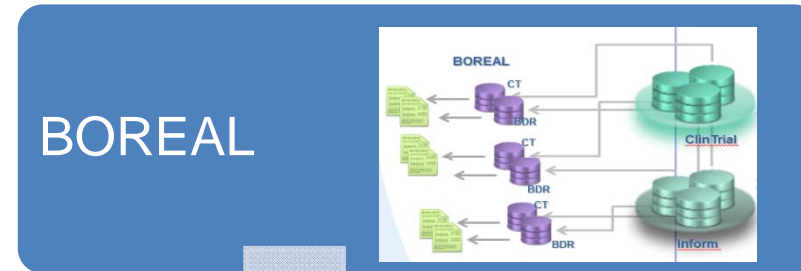
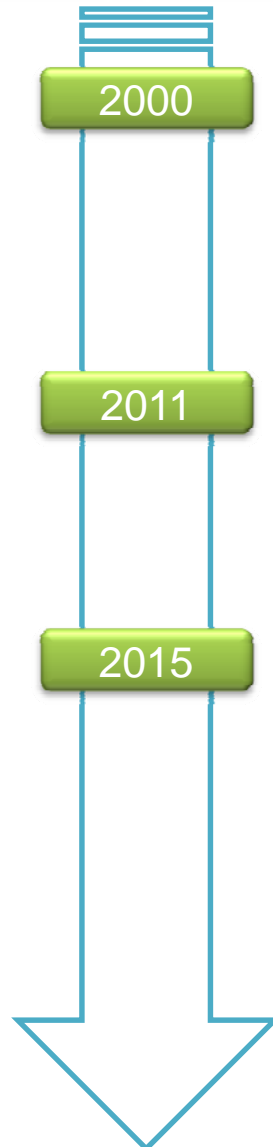


BI Tools

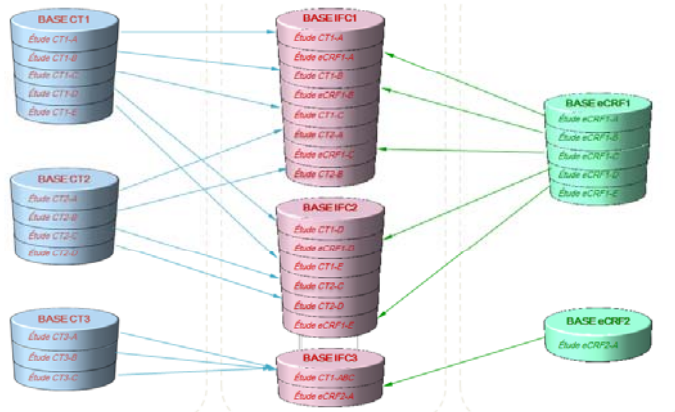


- SAP – Business Objects
- SAP suite (Dashboard, Explorer, Lumira...)
- WebI R4
- SAS BI
- Spotfire

Reporting History

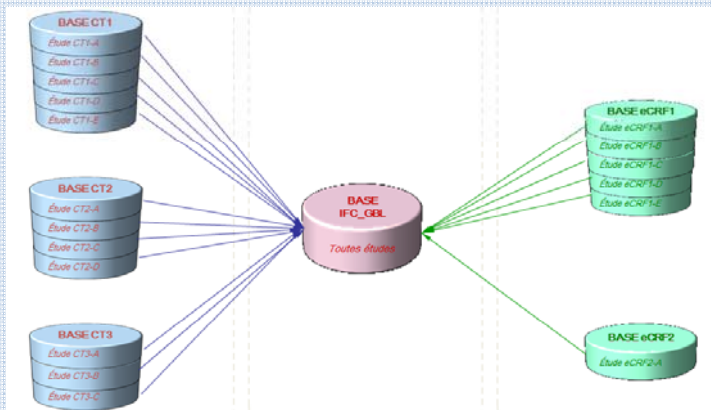


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- 2 Universes/study
- Efficient
- Mono study
- Reporting rework
- No standardization
- No link between sources

**M
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- 1 Universe
- Manual standardisation
- Multi studies / Multi source documents
- Standard documents
- Optimization of processes

MUSIC



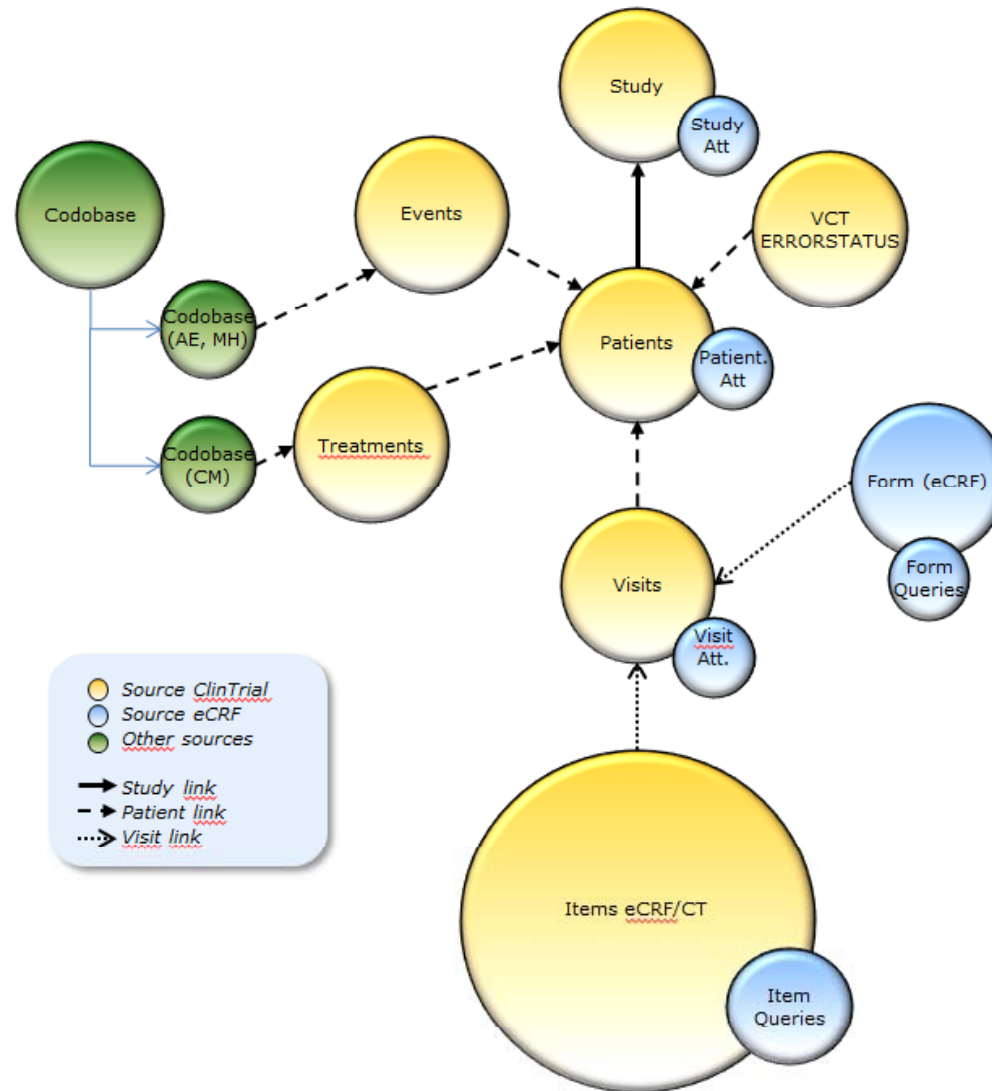
- Mapping eCRF metadata / clinical data
- All Clinical data normalized in one table
- Duplication of main data for reporting in denormalized tables

-
- Management of specificities when integrating studies in MUSIC – done item by item - 3 days

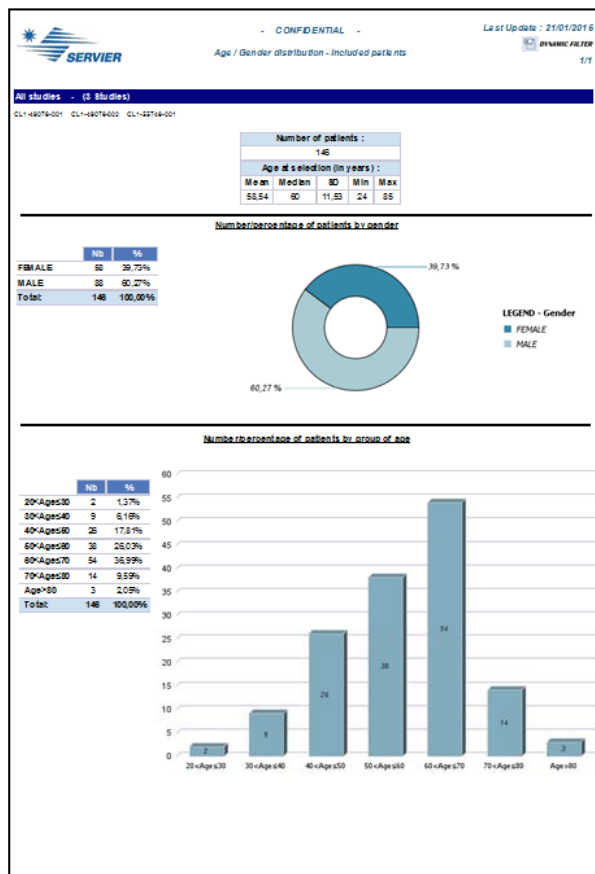


Clinical data	CRF specificities
Operational data and eCRF metadata	Study scheme
	Patches
	Design modification

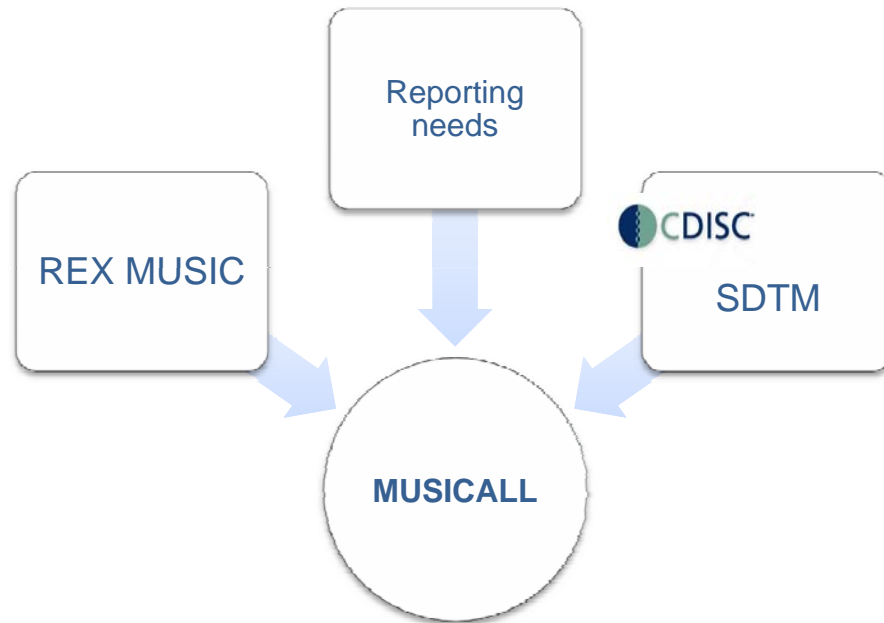
MUSIC



MUSIC



- Standard Reports Available 10 days after FVFP
- 100 standard reports (Web)
- 80 MUSICALised studies
- 800 users

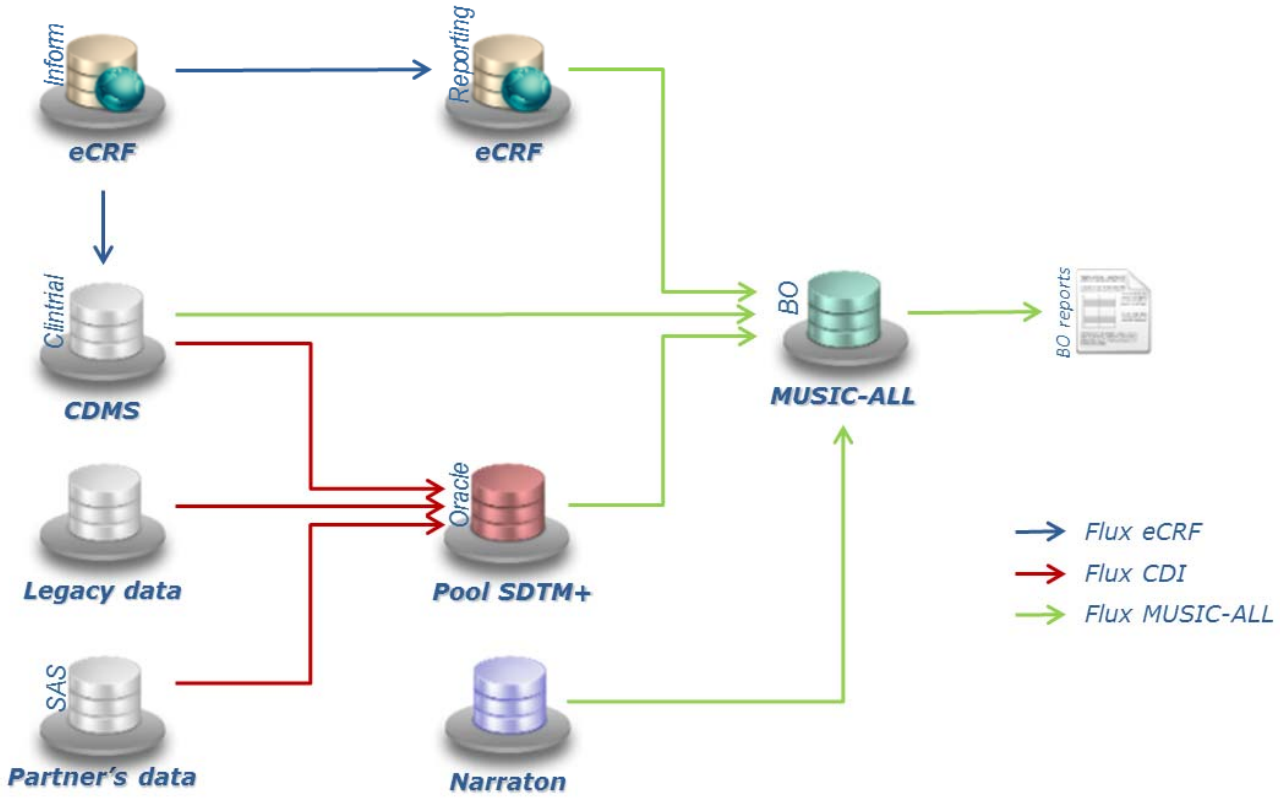


- Increase perimeter (Pool SDTM)
- No manual specifications
- Increased performances
- Structure adapted for programming

MUSICALL



MUSICALL

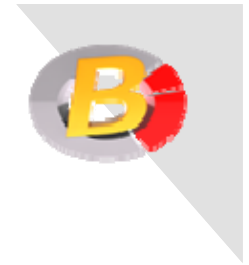


MUSICALL



- No duplication of Clinical data
- Domains grouped by classes
- Supp linked to the relevant class
- Some Supp information denormalized in the linked class

- Metadata (eCRF data) linked to visits
- No mapping between metadata and clinical data



Conclusion & Recommendations

CONCLUSION & RECOMMENDATIONS



Feedback



MUSICALL

- **Prod : dec 2015 – V1**
- **First study february 2016**
- **All standard reports Q2 2016**
- **V2 (april 2016) : std axes and evolutions**

3 days of manual specificities management	Several clinical data sources (ClinTrial)
Sharing same langage	Rationalisation of mapping to be done
No delay	
Integration of partners data	
Almost centralized calculations	



Today



➤ We use SDTM model to store operational data

Benefits

Only **one model** in POOL SDTM + : **SDTM**

Easier to maintain rather than having different models in the same database

Disavantages

Only **one model** in POOL SDTM + : **SDTM**

The SDTM Model was not designed to store this kind of data and it is **less far comprehensible** than in our source model

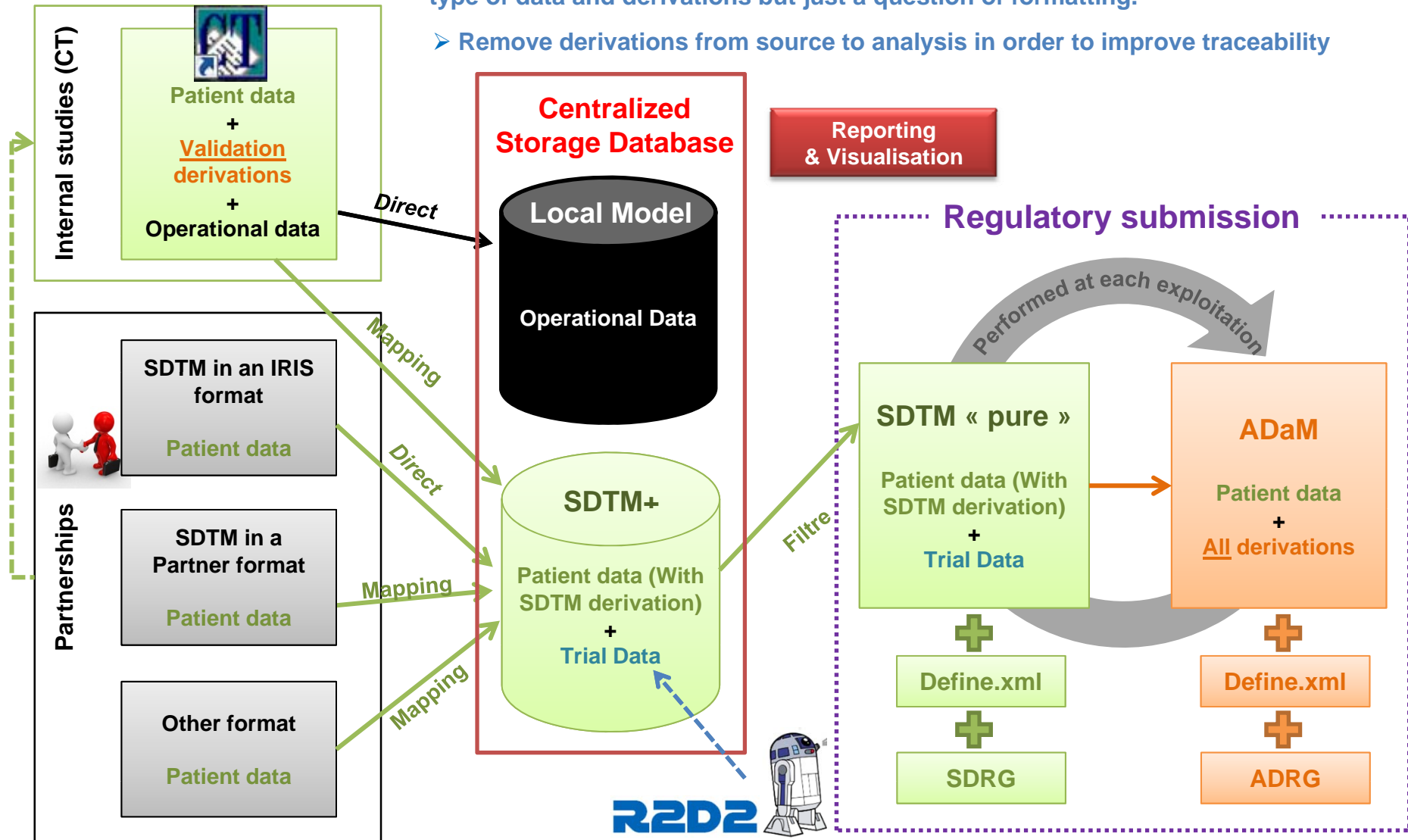
➤ We still have some derivations in our SDTM Model

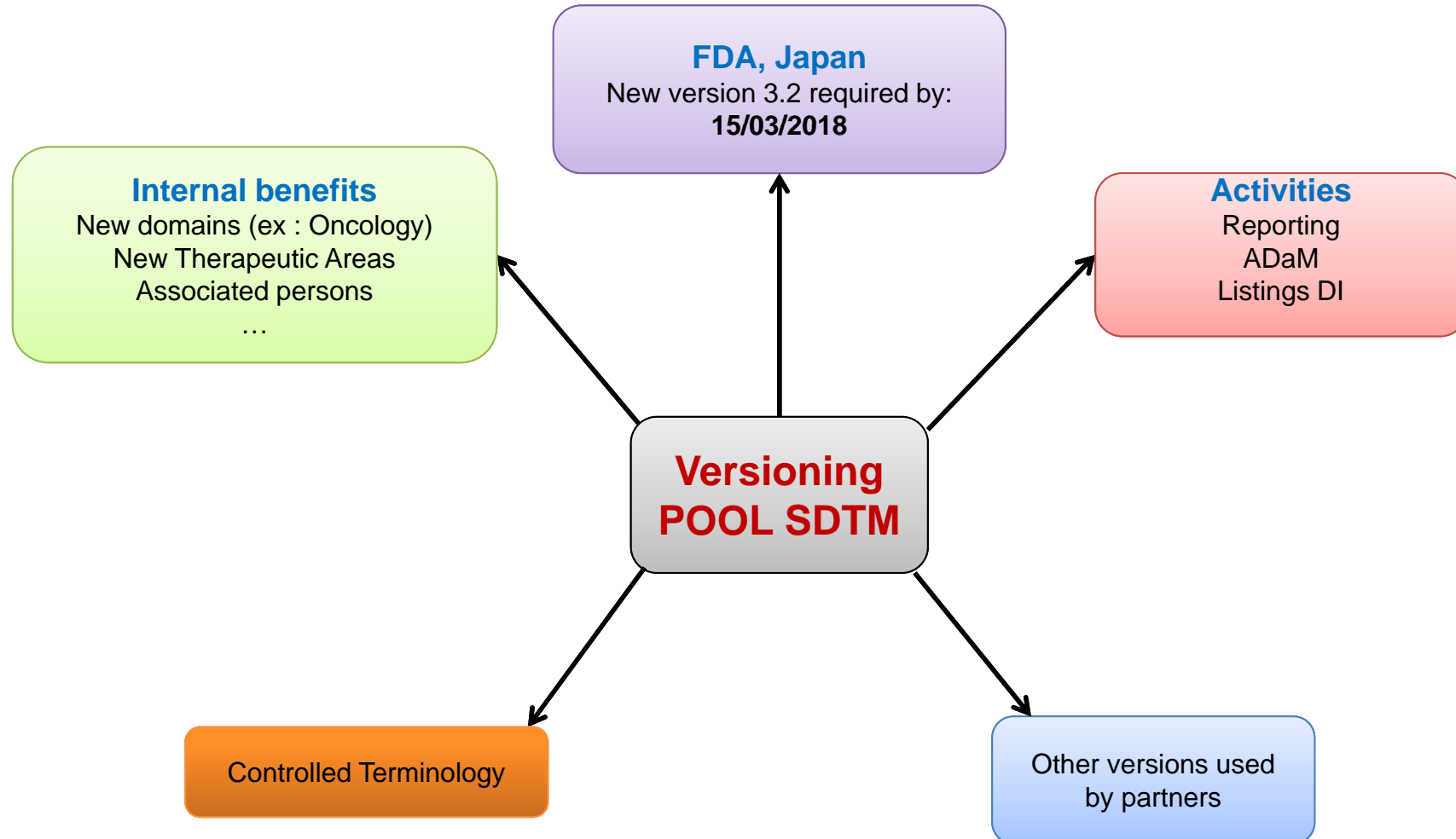
Issues with **traceability**

Issues with **partnership management** and **regulatory submission**

➤ We are still dependent on our data collection tool

- Move to a new world where « + » from SDTM+ no longer means more type of data and derivations but just a question of formatting.
- Remove derivations from source to analysis in order to improve traceability







Questions?



jeremy.mambrini@servier.com (01.55.72.72.28)
florence.wager@servier.com (01.55.72.47.07)