FRIS R3 - CERIF XML in large scale exchange of research information

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Data Reuse

FRIS

Showcasing

BI
FRIS Entities

Person

Research Output

Projects

Journals

Organisations
FRIS & CERIF XML
FRIS Sources

Pure

REST

CERIF XML

VKBO

Orbi, Scopus, VABB, SHERPA/RoMEO, DOAJ

SAS DataFlux

Collibra
CERIF in Action x 10

Ambiguous Entity Boundaries

Read All Processing Model

Domain Decoupling

Lack of Tooling Awareness

Complex Framework
A Publication in CERIF XML - Decoupling & Complexity

- 2 x cfResPubl
- #authors x cfPers
- #authors x cfResPubl_Pers
- #authors affiliation x cfOrg
- #authors affiliation x cfResPubl_Org
- Y x cfFedId
- Y x cfServ
- Z x cfMeas
- ...

...
Read All Processing Model

cfPers \rightarrow \text{cfOrgUnit} \rightarrow \text{cfOrgUnit} \\
\text{Links}
Streams of Coherent Data - Read All Processing Model

“Profiles” in one response (stream)
Domain “near” XML - Decoupling & Complexity

• Let go of the relational datamodel
• Embrace real world use cases before generic schema design
Transition from the perfect model of the world to a practical and easy to use model of the *real* world

Won’t anyone think about the children developers?

None-experts should be able to understand the “format”
Recommendation

Streaming is a crucial exchange mechanism

Move towards an intuitive domain driven format

Cater for standard tools and frameworks