

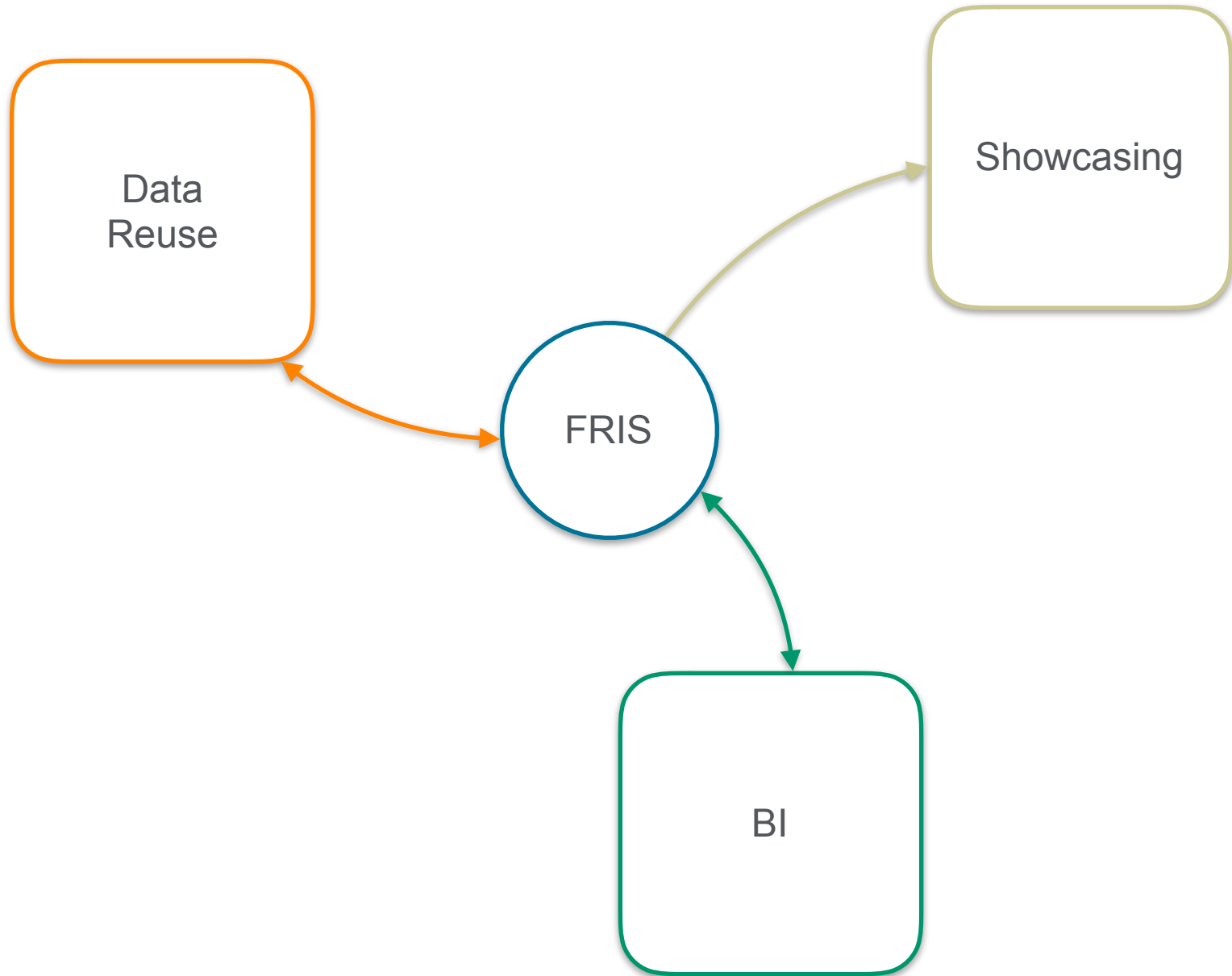
Elsevier Research Intelligence

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

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Vlaanderen
is economie, wetenschap
& innovatie



FRIS Entities

Persons

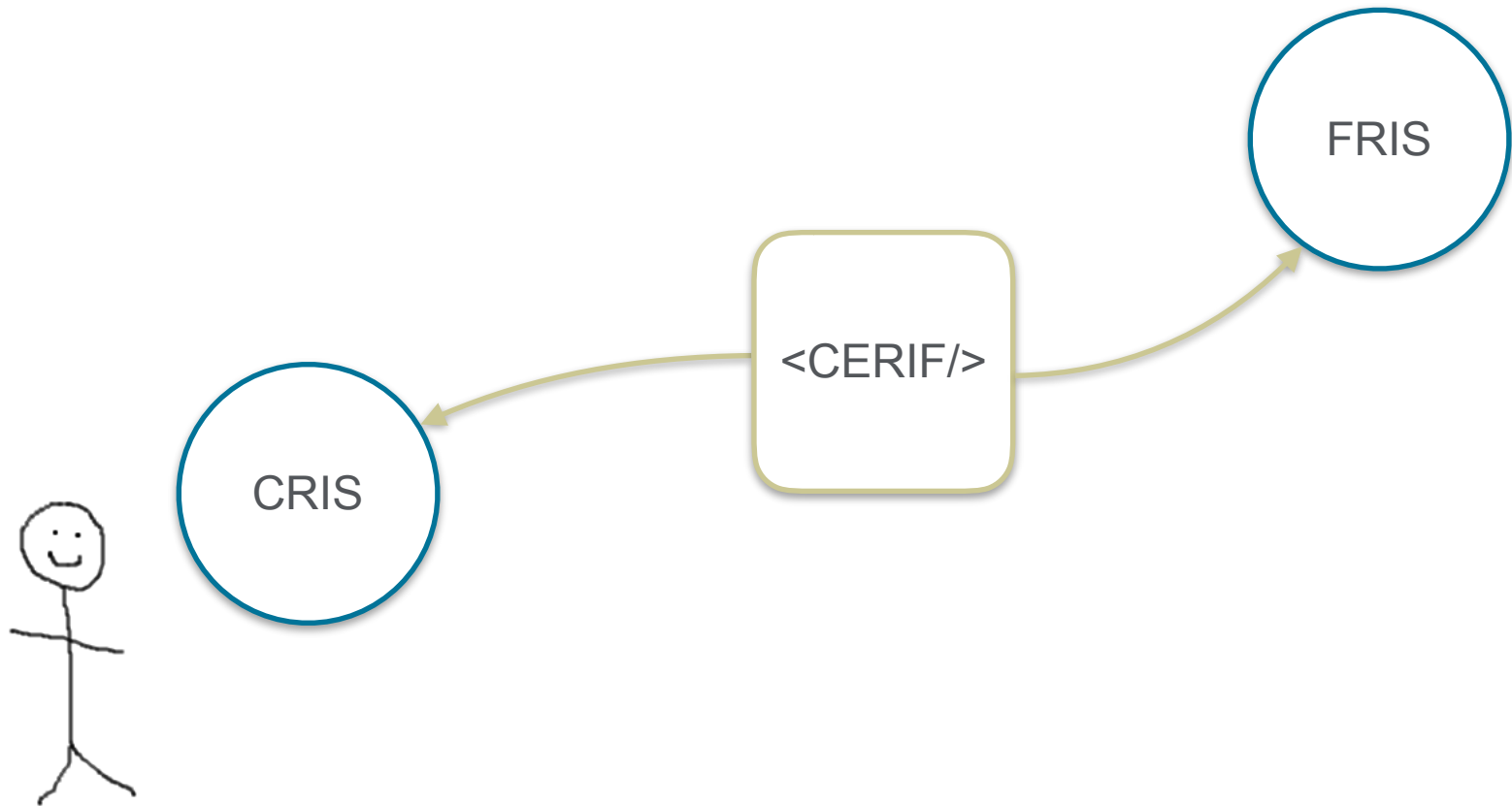
Reserach
Output

Projects

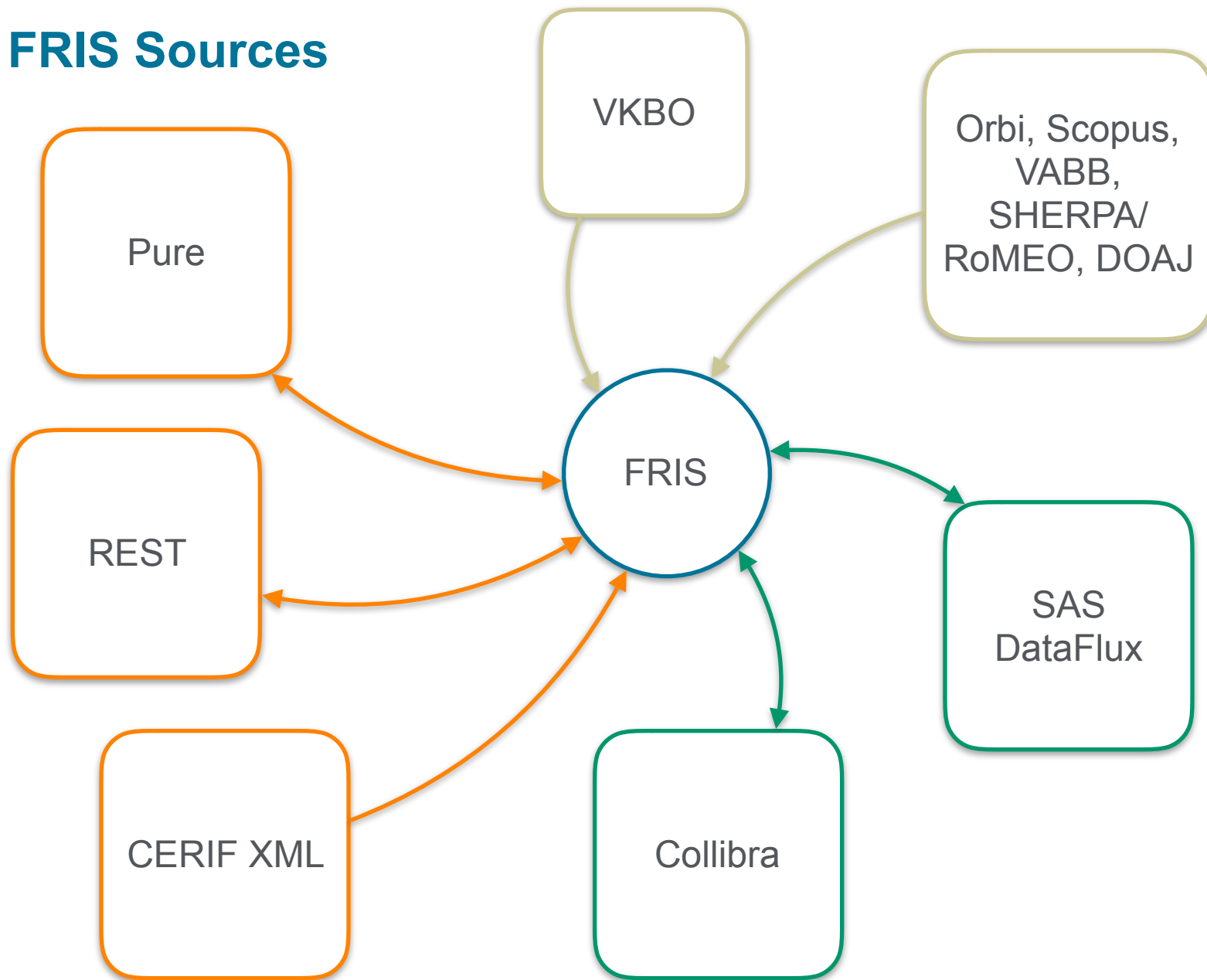
Journals

Organisations

FRIS & CERIF XML



FRIS Sources



CERIF in Action x 10

Ambiguous Entity Boundaries

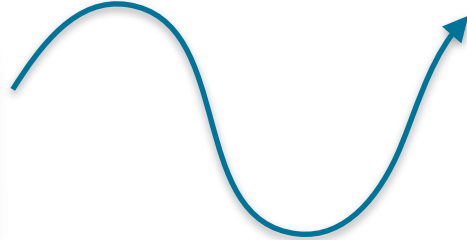
Read All Processing Model

Domain Decoupling

Lack of Tooling Awareness

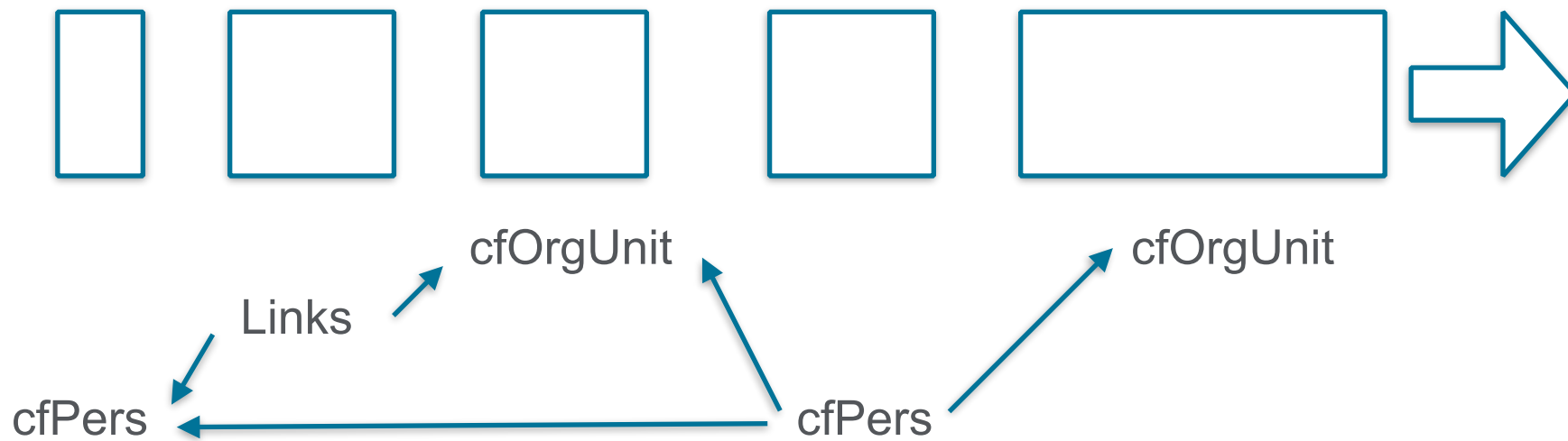
Complex Framework

A Publication in CERIF XML - Decoupling & Complexity

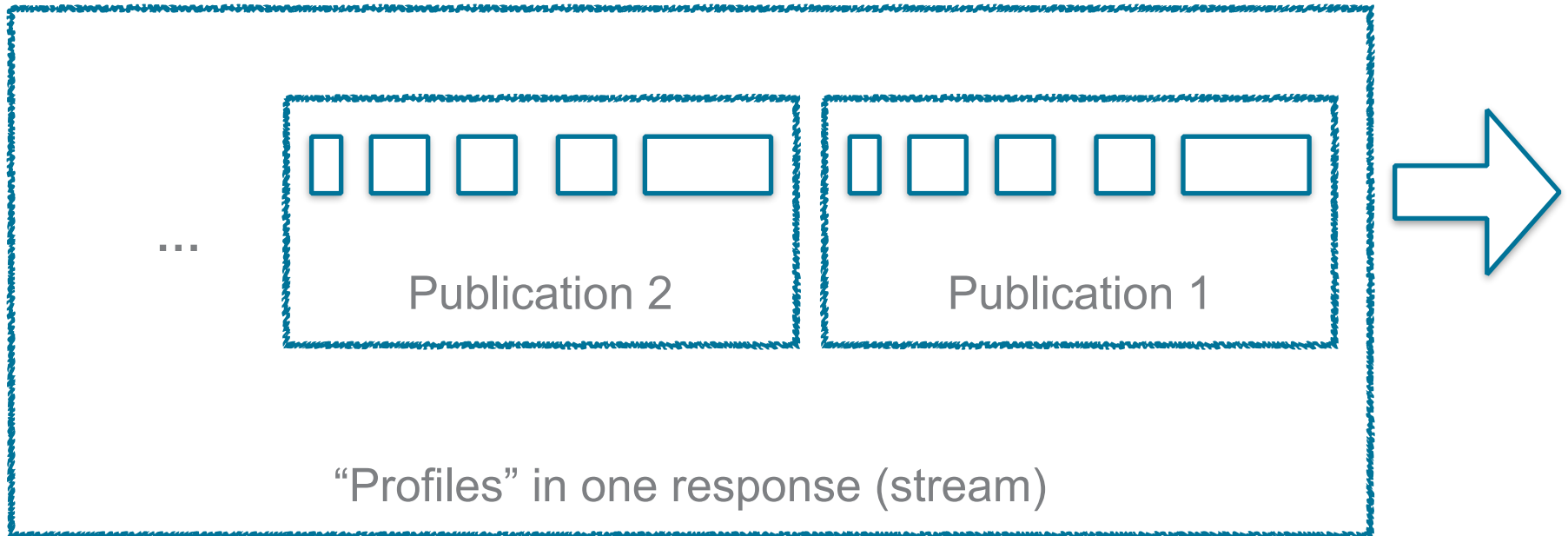


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- #authors x cfPers
- #authors x cfResPubl_Pers
- #authors affiliation x cfOrg
- #authors affiliation x cfResPubl_Org
- Y x cfFedId
- Y x cfServ
- Z x cfMeas
- ...

Read All Processing Model



Streams of Coherent Data - Read All Processing Model



Domain “near” XML - Decoupling & Complexity

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- 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