Semantics, a key concept in interoperability of research information - the Flanders research funding semantics case

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www.researchportal.be

Information on public financed scientific research in Flanders directly provided from organizations via CERIF:xml exchange

But limitations in communication to end-users, in terms of semantics

Research funding information is provided to the FRIS portal via research institutions using a Flemish funding classification code scheme

### Characteristics
- Hierarchical classification
- 3 levels deep
- 4-digit code sets
- Decentral maintenance in Excel

### Limitations
- Fixed viewpoints
- # Funding sources /level
- No well-defined semantics of related data concepts
- No formal and central data management

### Issues
- No well-defined semantics of related data concepts
- No formal and central data management

New funding classification scheme that reflects the true nature of research funding used in a uniform manner by different stakeholders in Flanders in order to deliver research data to the FRIS portal

#### Funding Classification
- No hierarchy, autonumbering
- More granular & more dimensions in line with international reporting requirements
- Concordance tables for existing international classifications

#### Research Funding model

#### Classification & Data Governance

#### Data Governance Tool

At the benefit of policy formation, scientific discovery & open innovation

Past

Present

Future

Semantic interoperability of research information systems