

Preserving bibliographic relationships in mappings from FRBR to BIBFRAME 2.0

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Bibliographic Relationships*

- *Inherent relationships*
 - explicit relationships between Entities
- *Content relationships* 
 - Viewed “as a continuum from works/expressions/manifestations/items”
 - Enabling “the collocation of related items and navigation through the sometimes complex network of the bibliographic universe”
 - Place a resource in a context

* Tillett (2004). What is FRBR?

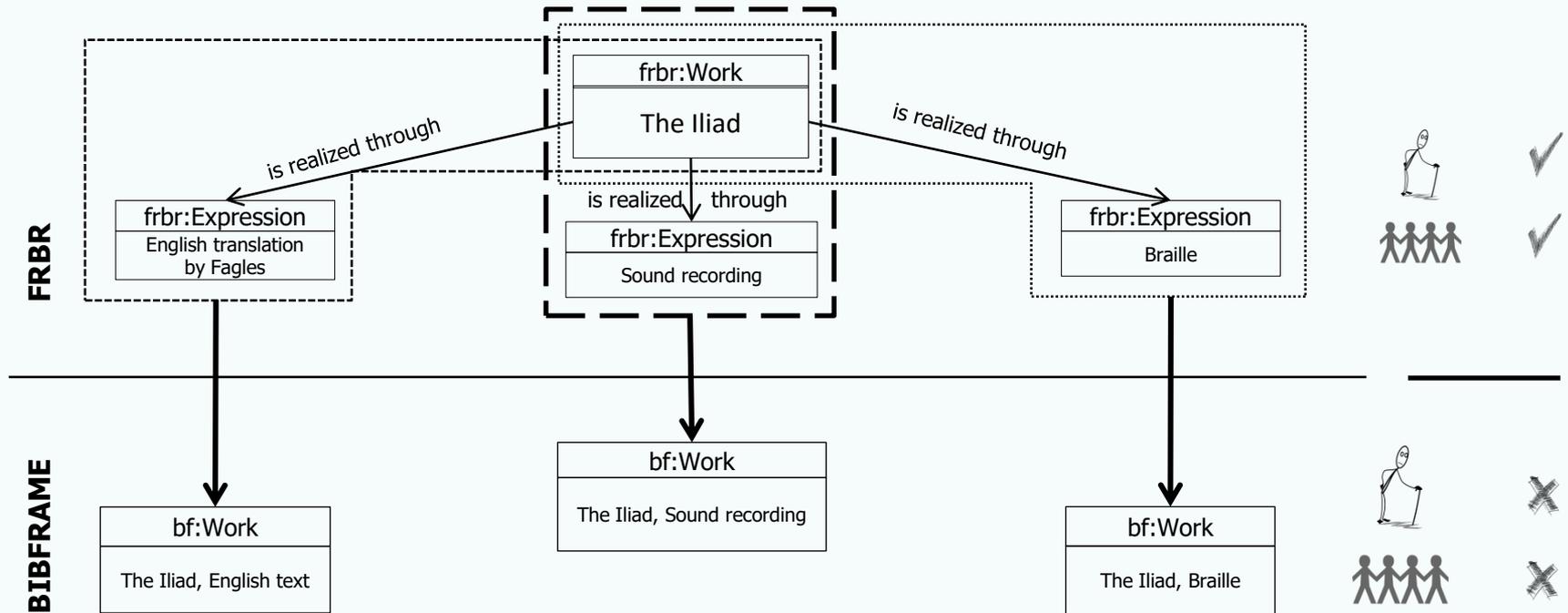
Bibliographic Family

- *'a set of related bibliographic works that are somehow derived from a common progenitor'* (coined by Prof. Smiraglia) 
- *Works or Expressions* within the same bibliographic family *may share the same intellectual content* and be related to the progenitor through different types of relationships
- Expresses how a Work (its ideas) is influenced by or influences other works in time

Library Data Models, Content Relationships & Bibliographic Families

- Library Data Models enable the description of Content Relationships and Bibliographic Families
- Challenges:
 - Model's compatibility degree to Content Relationships and Bibliographic Families
 - Successful mappings from one model to another
 - Retain model's compatibility degree to Content Relationships and Bibliographic Families, after mappings and data transformation

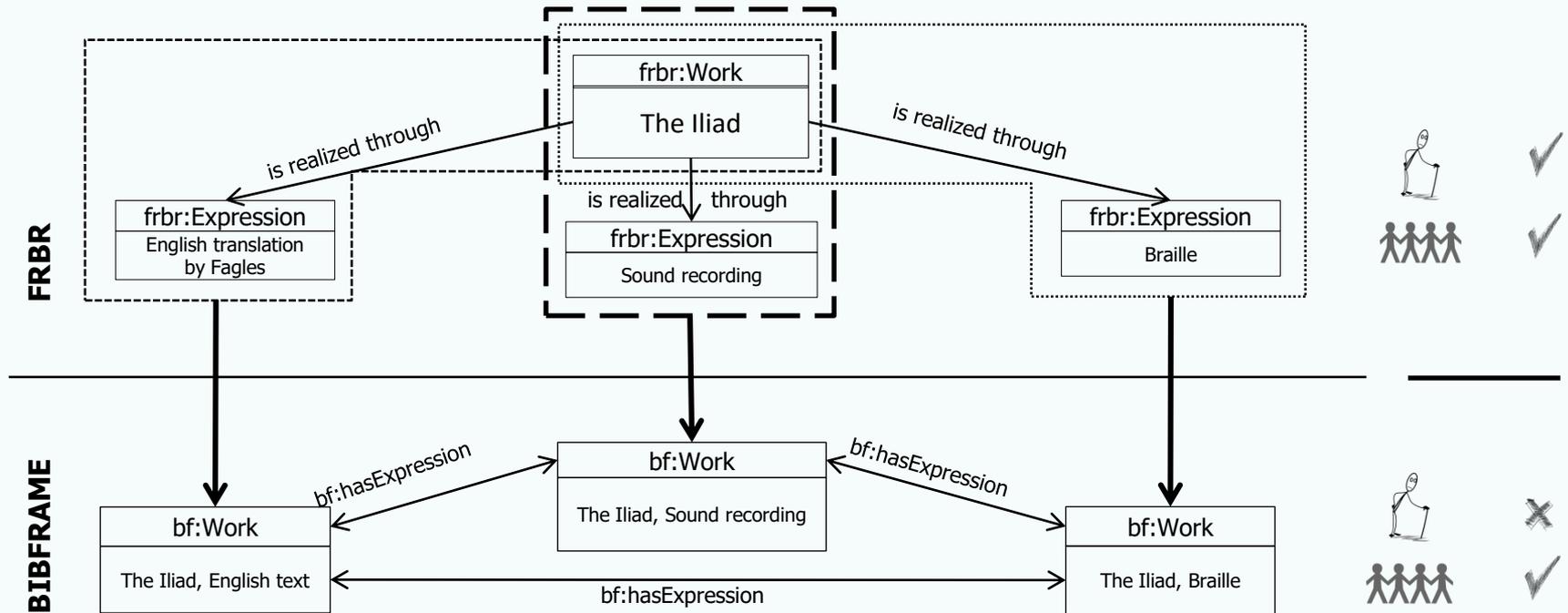
Bibliographic Family & Content Relationships: Work with multiple Expressions



- Mapping

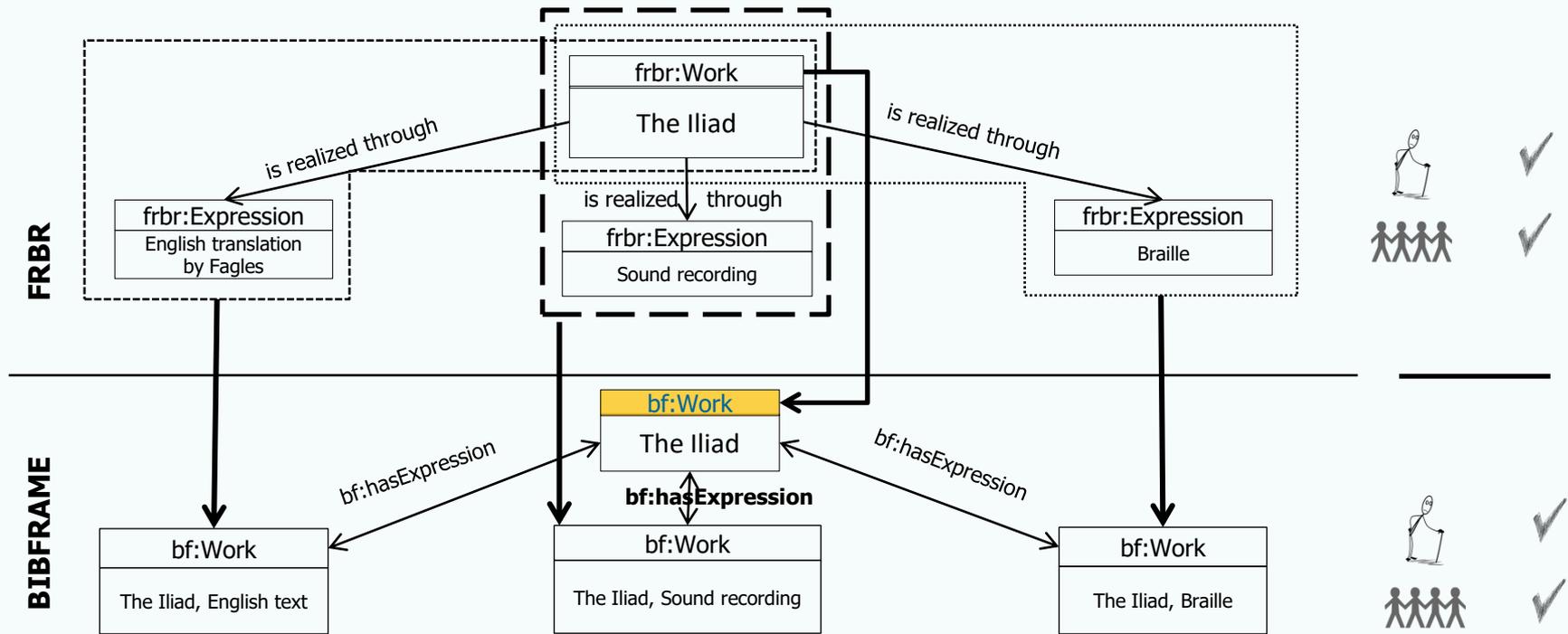
Work - is realized through - Expression → *bf:Work*
both are lost in BIBFRAME!

Bibliographic Family & Content Relationships: Work with multiple Expressions... extending mapping



- Adding *bf:hasExpression* relationship
 - Content Relationships are expressed
 - Bibliographic Family is lost

Bibliographic Family & Content Relationships: Work with multiple *Expressions*... extending mapping



- *bf:Work* class & *bf:hasExpression* property must be added to preserve both
- Does semantics of *bf:Work* class permit this use?

Questions?

This presentation highlights ideas from:

Zapounidou, S., Sfakakis, M. and Papatheodorou, C., (2017) *Preserving bibliographic relationships in mappings from FRBR to BIBFRAME 2.0*. 21st International Conference on Theory and Practice of Digital Libraries (TPDL 20017), Thessaloniki, Greece, September 18-21, 2017