

Building RDA using the FRBR Library Reference Model

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- This presentation is based on the WWR draft of FRBR-LRM dated **2016-02-21**
- During meetings later in this Congress the FRBR RG will be considering a modified draft taking into account responses to the WWR
- The modifications do not affect the general principles covered in this presentation, however, some vocabulary may be changed

Cataloguing Codes and Conceptual Models

- RDA is aligned with FRBR, FRAD (& FRSAD)
- A radical new way of designing cataloguing guidelines
- Consequence of alignment?
- As models evolve, so do cataloguing guidelines aligned with them

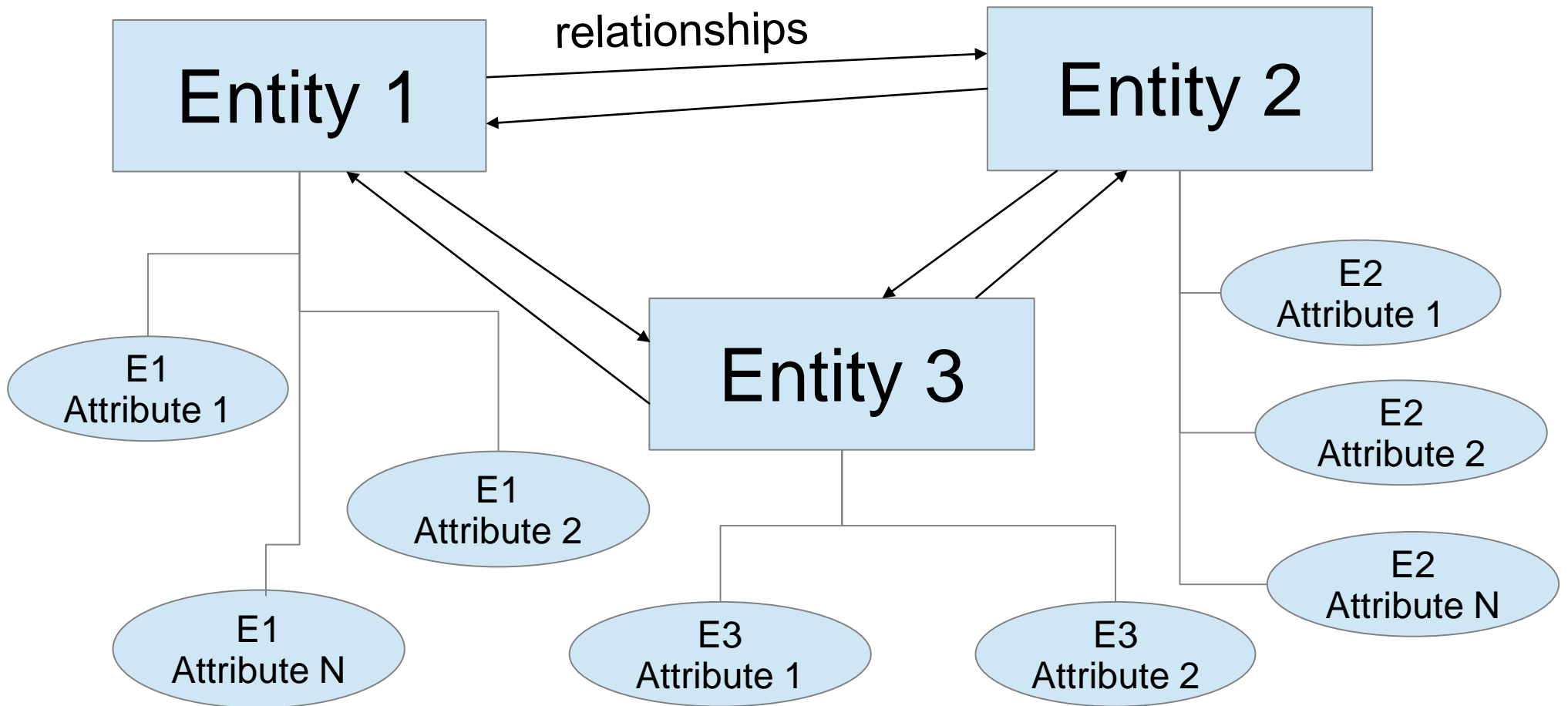
Evolution of IFLA Models

- Consolidation of 3 separate FR family models
- FRBR + FRAD + FRSAD => FRBR-LRM
- FRBR Library Reference Model builds on existing models, but
 - Takes a fresh look at existing questions
 - Resolves inconsistencies
- WWR ended May 1, 2016
- Updated draft to be discussed by FRBR RG

RDA and FRBR-LRM

- RDA policy of alignment to continue
- How can RDA adapt to FRBR-LRM?
- Only aspects of RDA stemming from model alignment have the potential of being affected
- Alignment not equality
- Expect greater granularity from RDA than from FRBR-LRM
- FRBR-LRM mainly backwards compatible

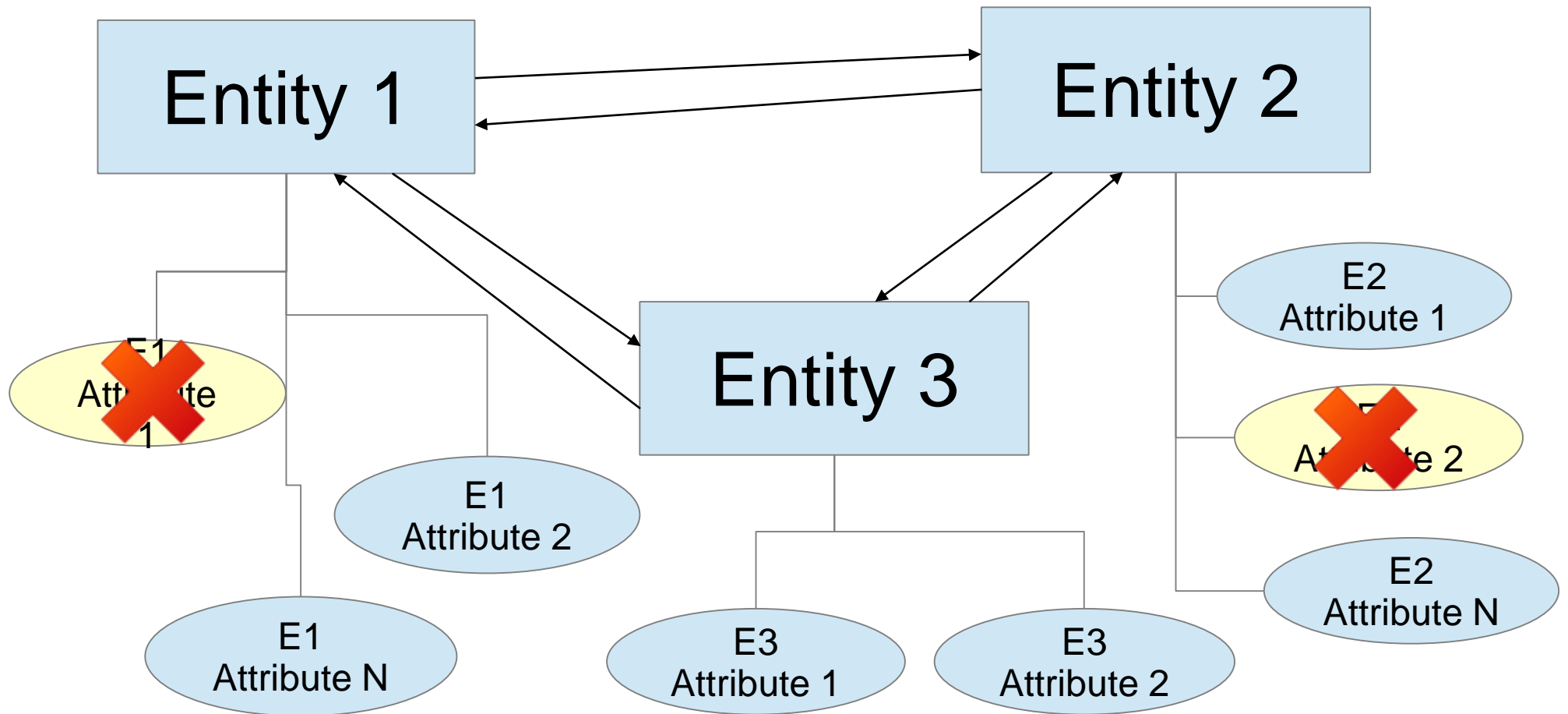
A Generic E-R Model



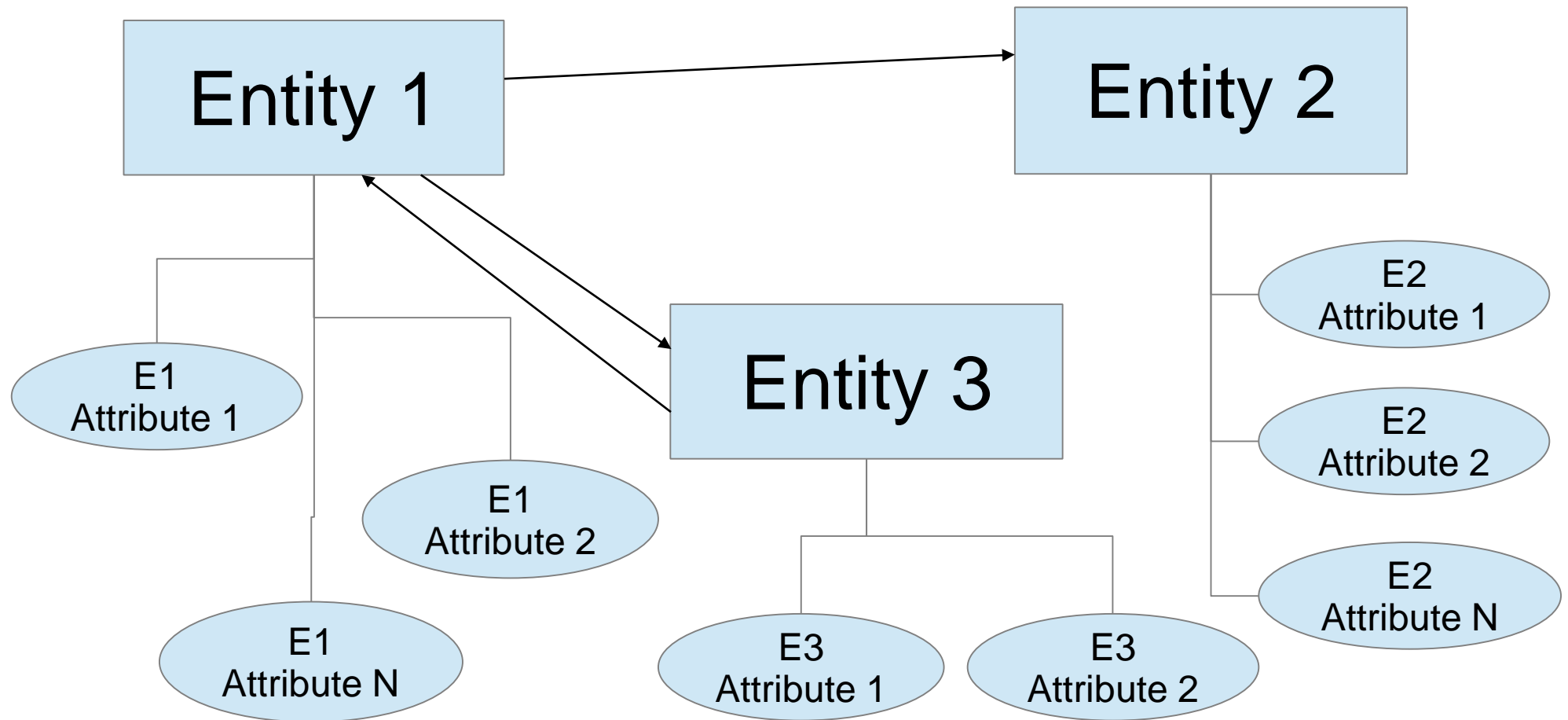
Turning a Model into Cataloguing Guidelines

- Omitting:
 - Attributes that are not relevant
 - Relationships that are not relevant
 - Even entities that are not relevant
- Expanding from the model:
 - More of everything (attributes, relationships)
 - More specific sub-types of attributes
 - More granular refinements of relationships
 - New entity subclasses

Omitting Attributes in an E-R Model



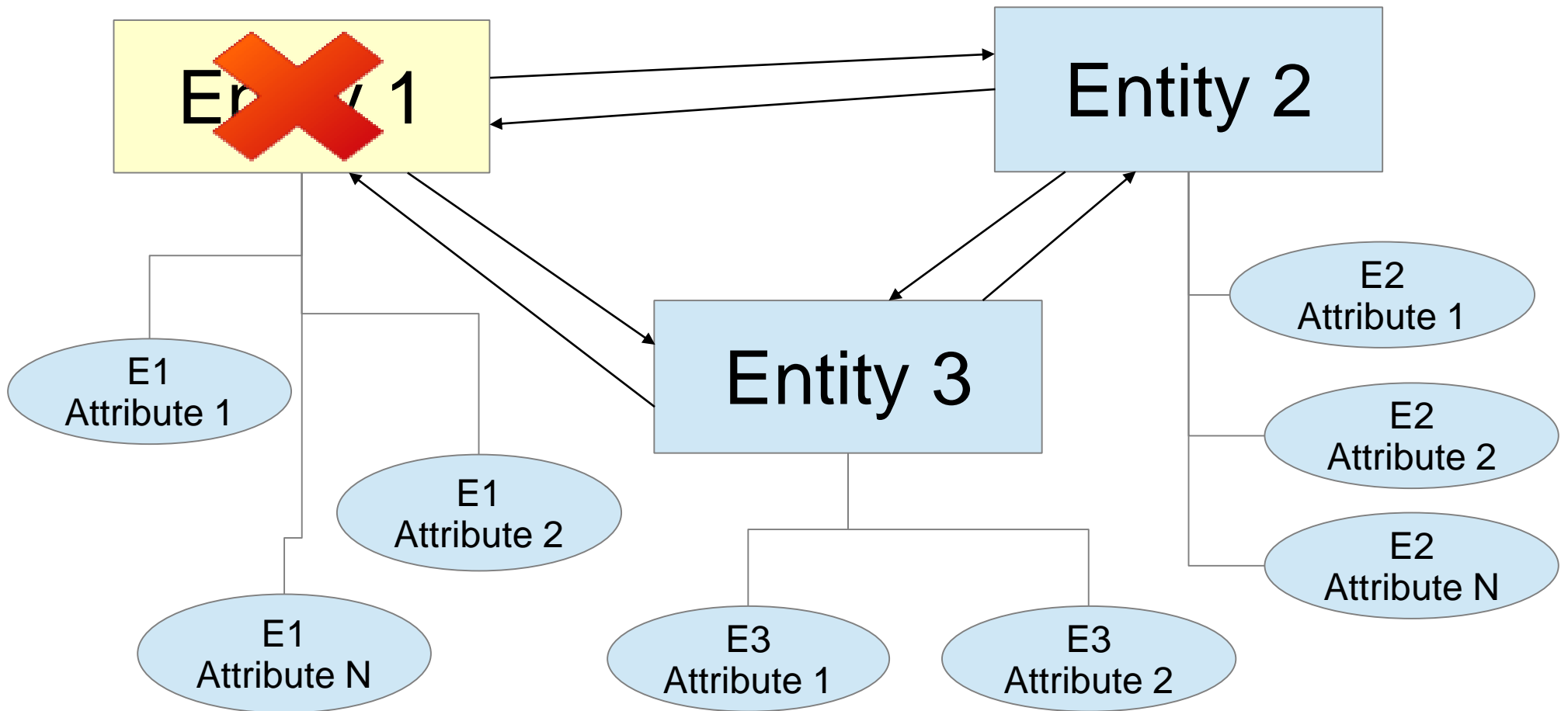
Omitting (non-structural) Relationships



Examples of Omissions

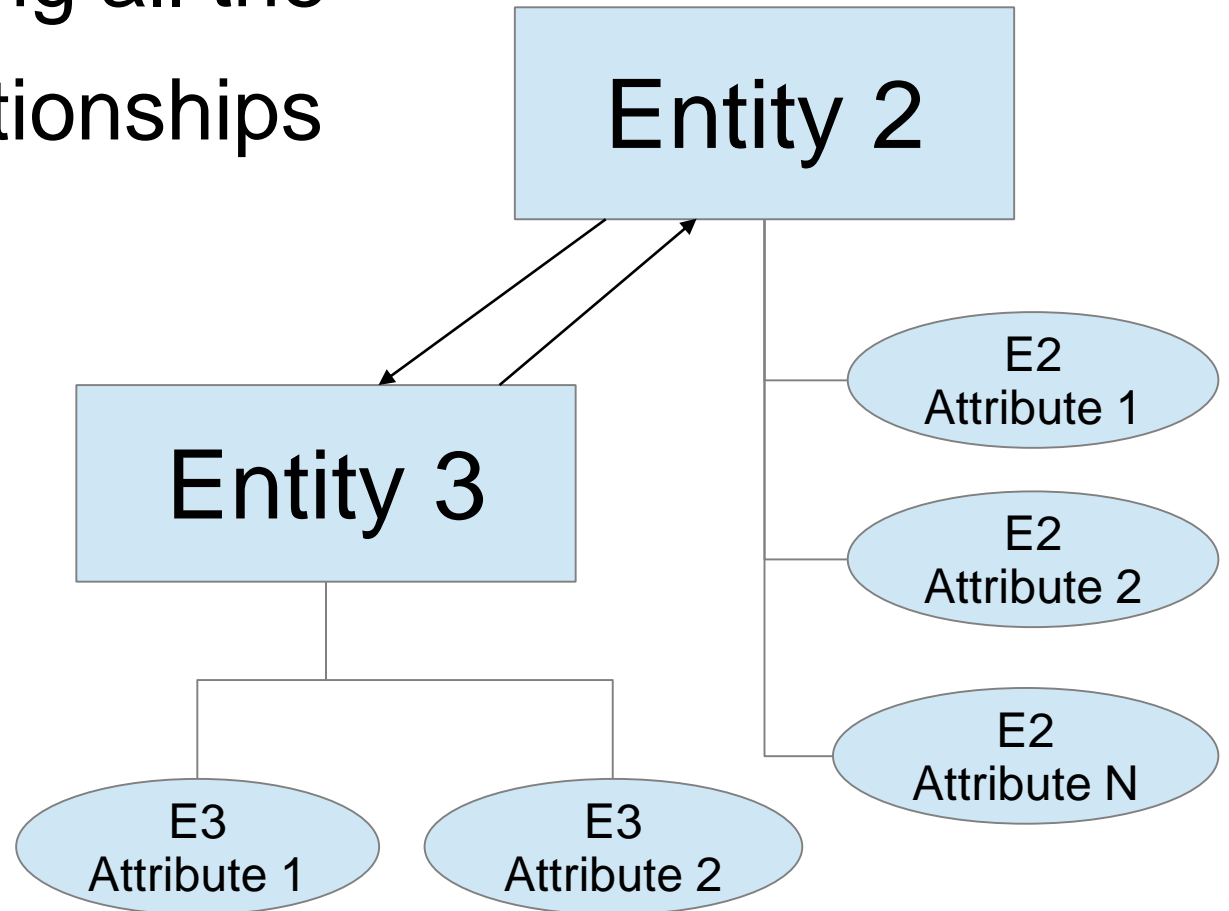
- Attributes for specialized resource types, or otherwise not desired
- Relationships that are too specific
- (But could not drop *structural* relationships)
- Entities cannot become completely isolated
- In some cases even an entity might be omitted, such as in a national bibliography with no item data which does not need an *item* entity

Not Implementing an Entity

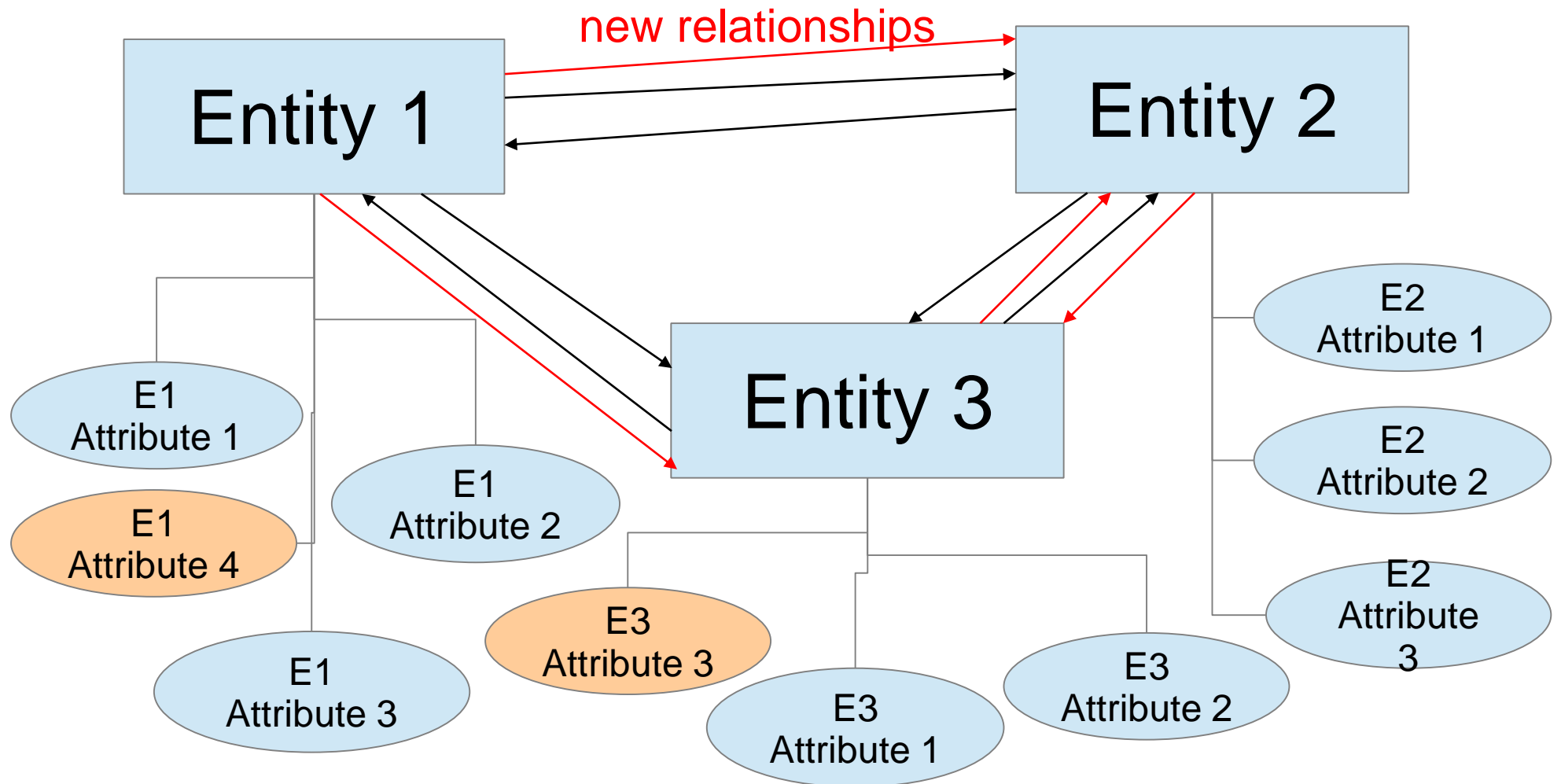


Once Entity 1 is Gone

Implies also omitting all the attributes and relationships of Entity 1



Expansion of Attributes or Relationships

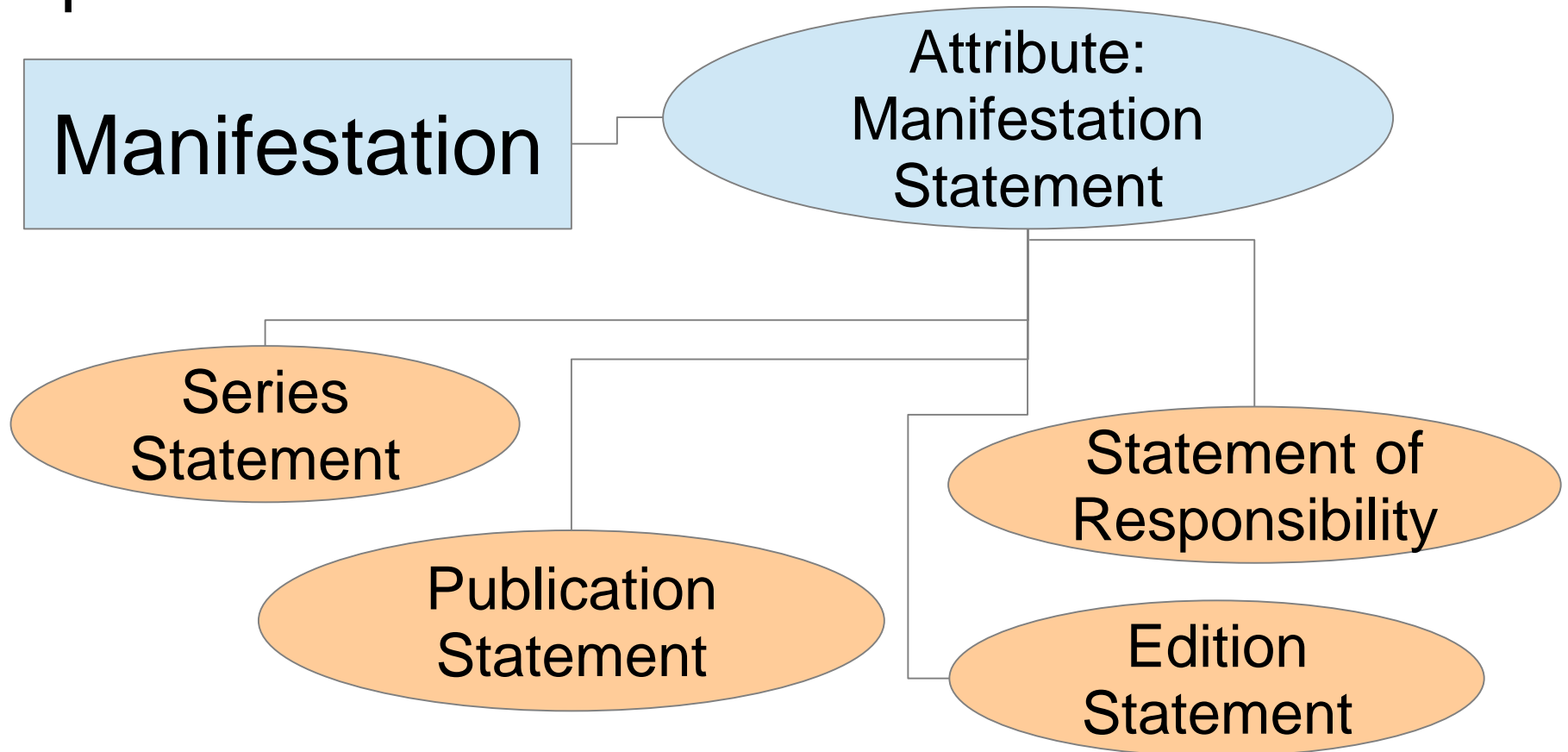


Expansion

- Very frequently used in RDA
- Chapter 3 (Describing Carriers), chapter 7 (Describing Content) add many new attributes of *manifestations* and *expressions*
- Relationship designators, such as I.2.2 (Other PFC associated with a Work), added
- Attributes of more specific sub-types defined, such as Notes on ...

Attribute Sub-types

- An existing attribute is subdivided into more specific attributes

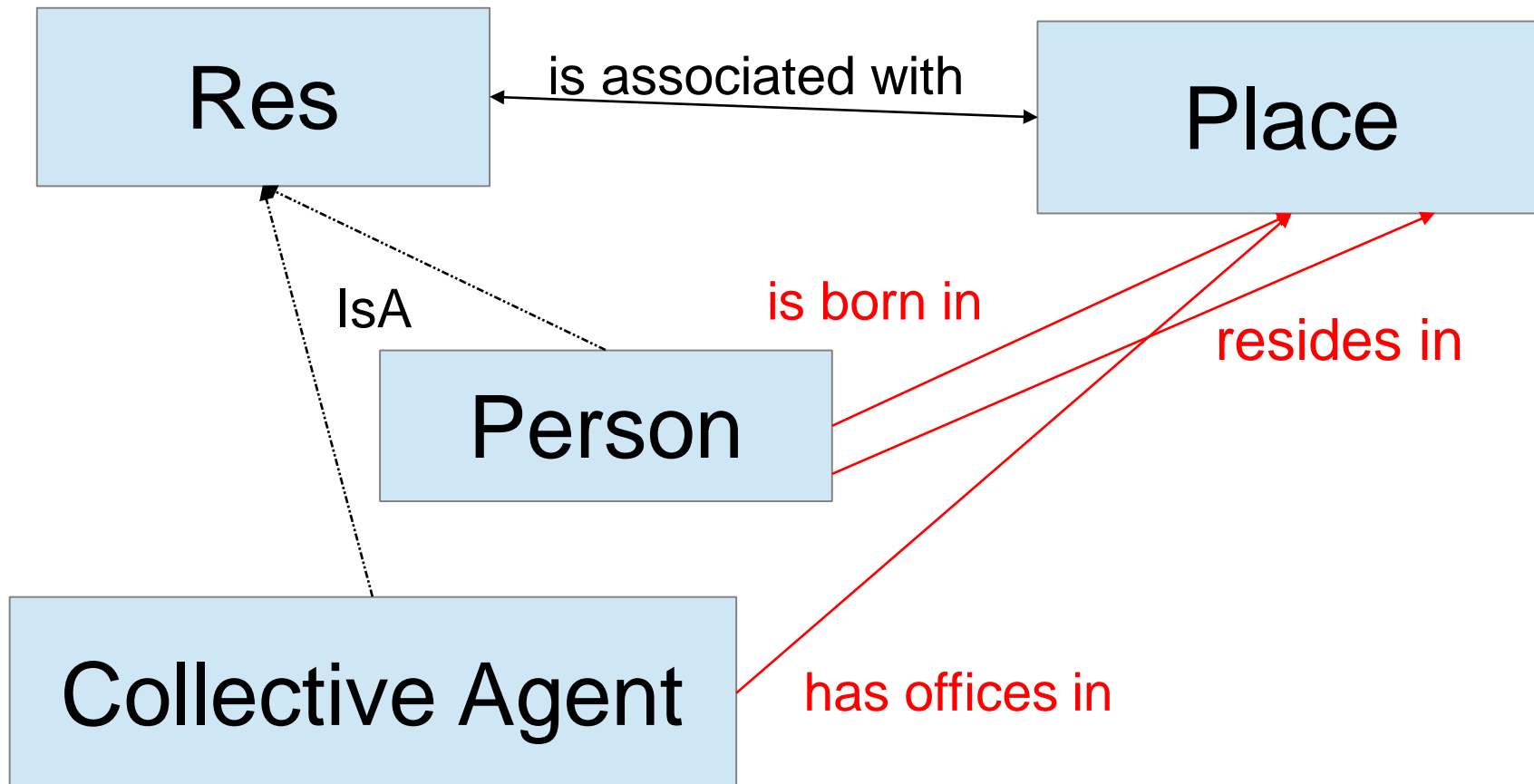


Refining Relationships

- Again heavily used in RDA
- Relationship designators at I.2.1 refine the work-creation relationship, those at I.3.1 refine expression-creation
- Paths using the IsA structure also create refinements of relationships
- *Place* and *time-span* association relationships intended to be refined

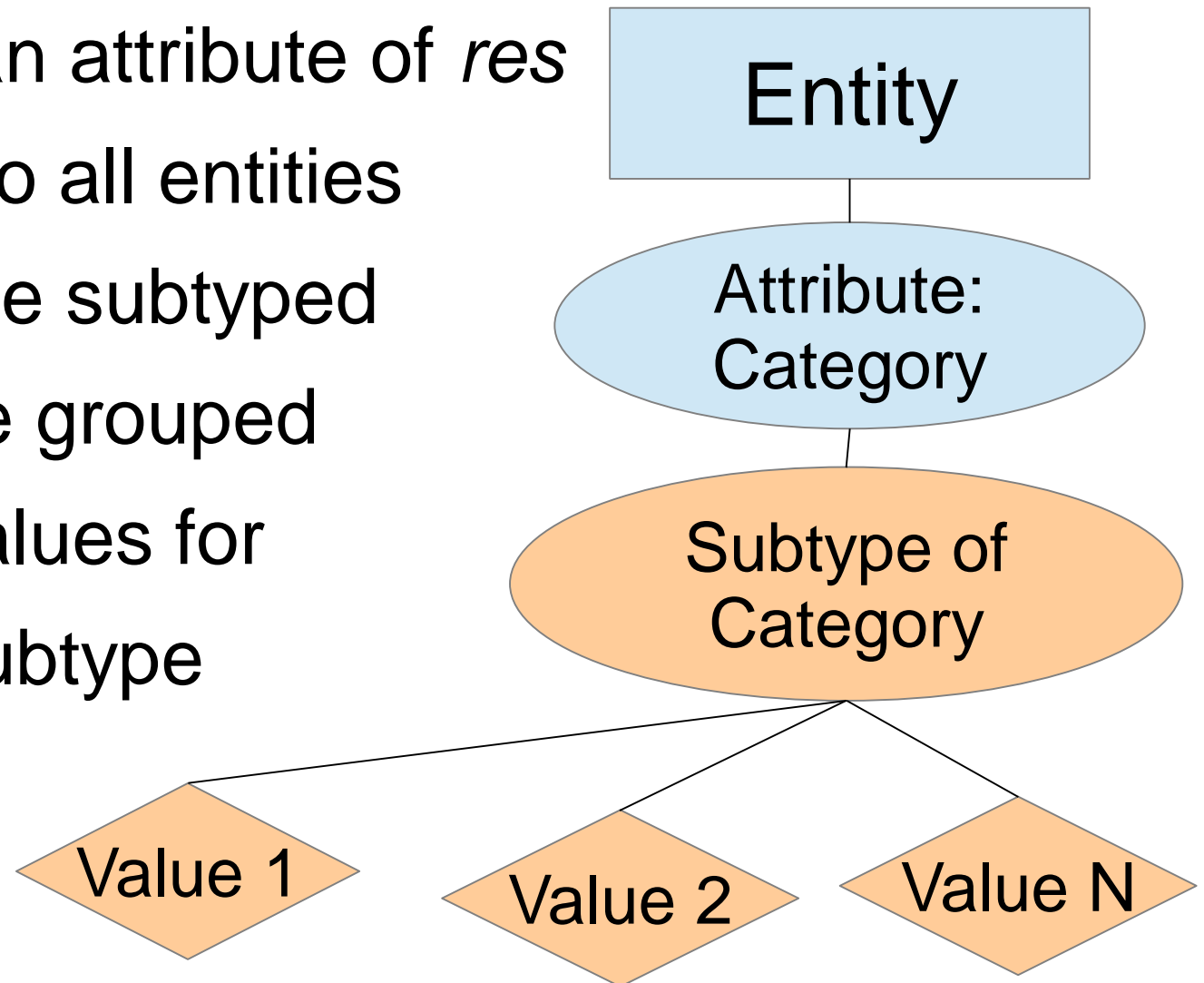
Refining Relationships

- Giving specific semantics to relationships



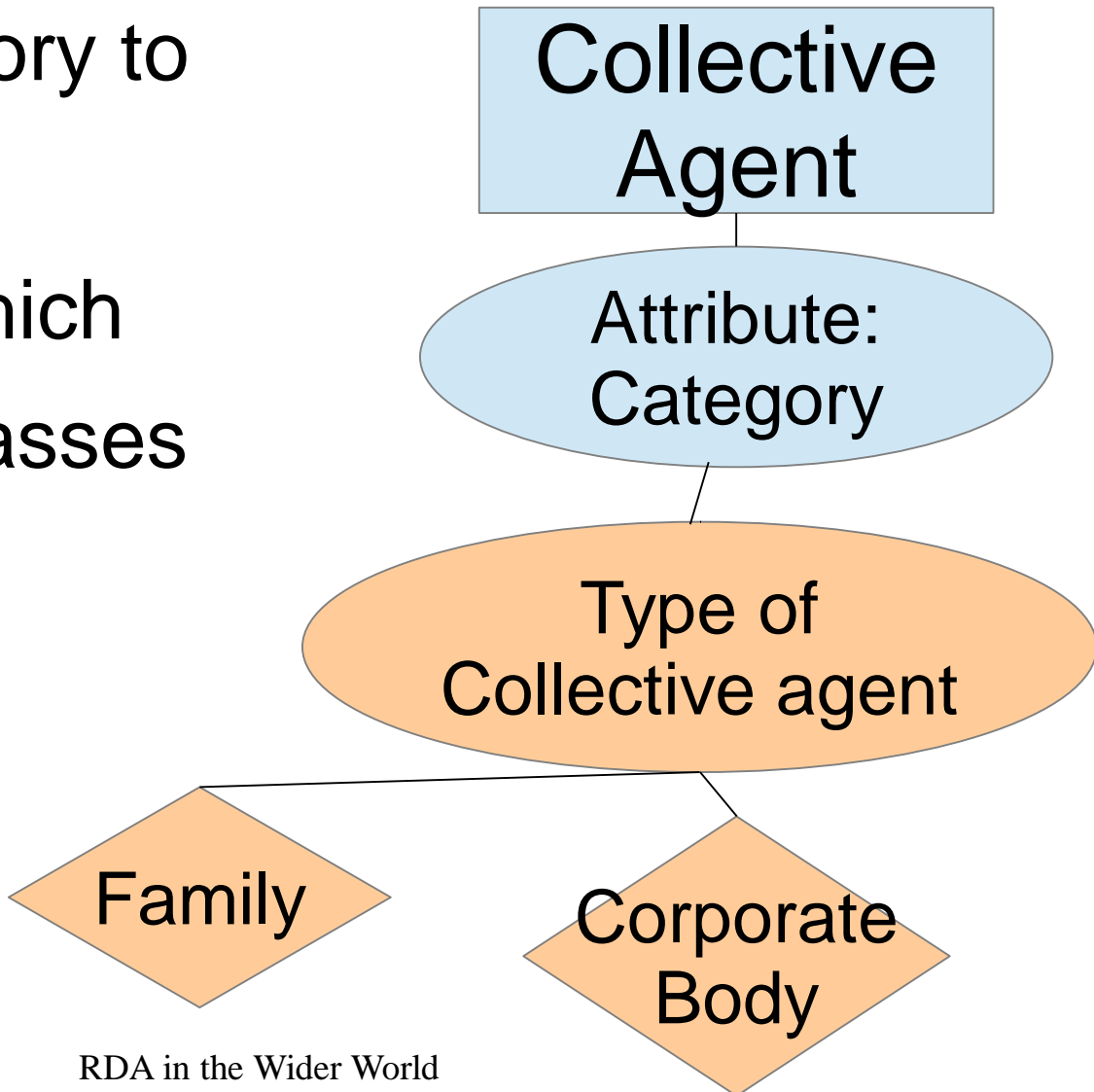
Entity Subclasses

- Category is an attribute of *res* which applies to all entities
- Intended to be subtyped
- Instances are grouped according to values for the category subtype

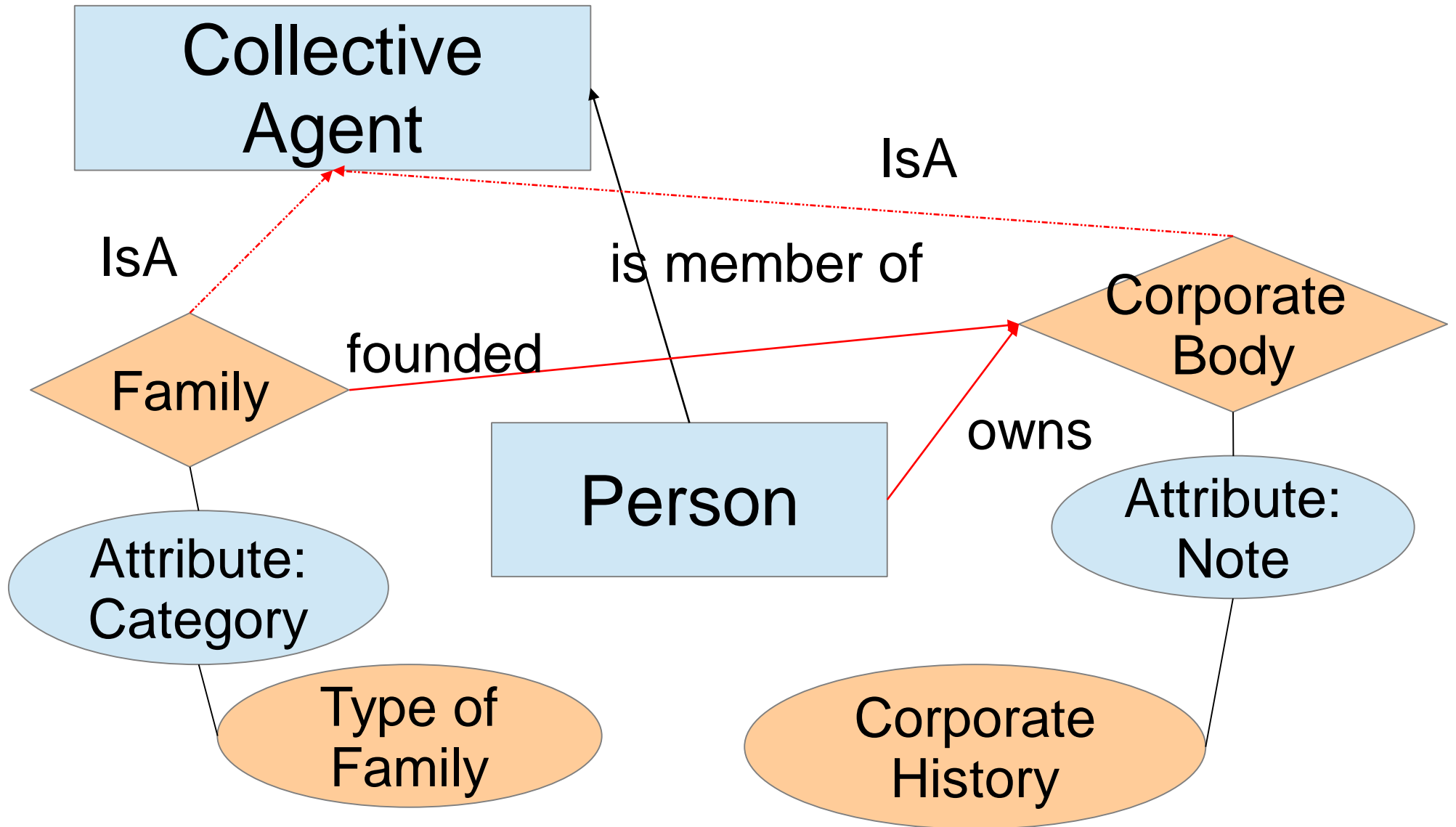


Creating Subclasses of Collective Agent

- Applying Category to *Collective agent*
- Create types which function as subclasses
- Family
- Corporate Body



Using the New Entities



Where does it stop?

- Can grow or subdivide where indicated
- Cannot
- change hierarchical structure (IsA)
- change domain-range of relationships
- re-attach attributes elsewhere
- omit key structural relationships
- redefine entities and change their scope

Aligning RDA with FRBR-LRM? Yes!

- Differences between FRBR-LRM and FRBR/FRAD are not an obstacle
- Granularity is provided by expansion mechanisms
- Entity hierarchy is an advantage for RDA
- Transforming attributes into relationships improves retrieval
- FRBR-LRM provides a clear structure on which to build