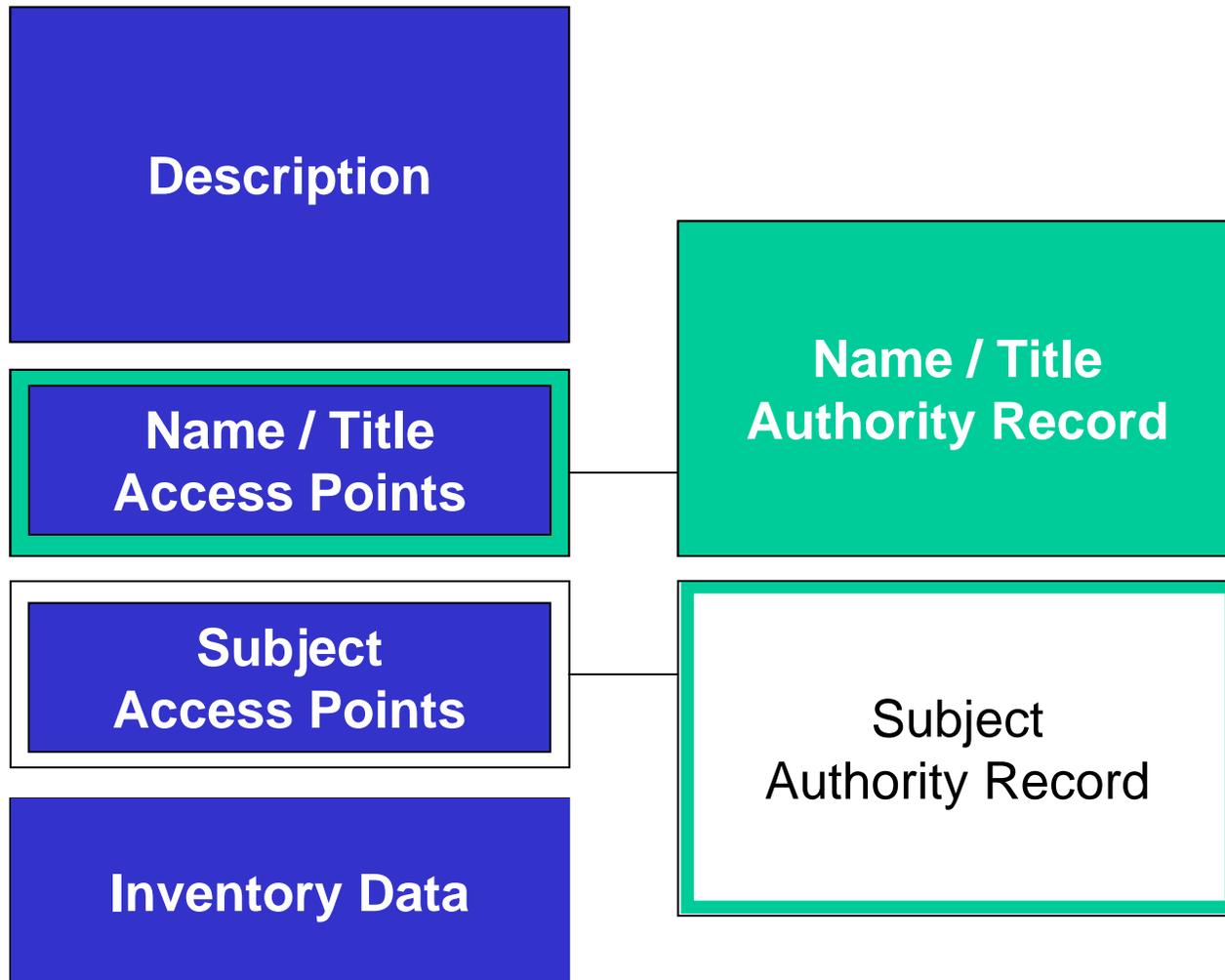


Modeling Subject Access

Refining and Extending the FRBR and
FRAR Conceptual Models

Current scope of the models



What remains to be done?

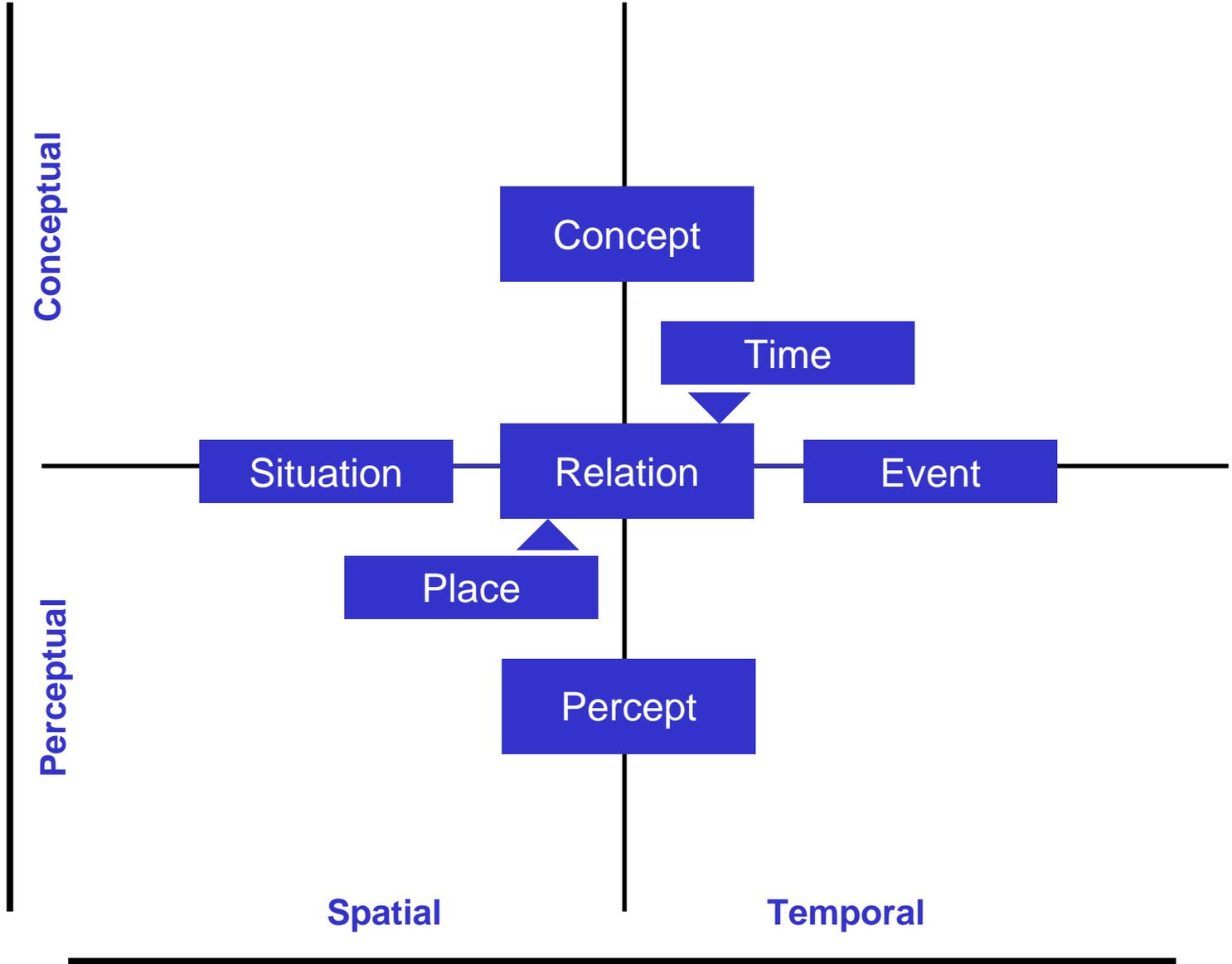
- revisit the entities
- review the repertoire of attributes
- extend the relationships

Revisiting the entities

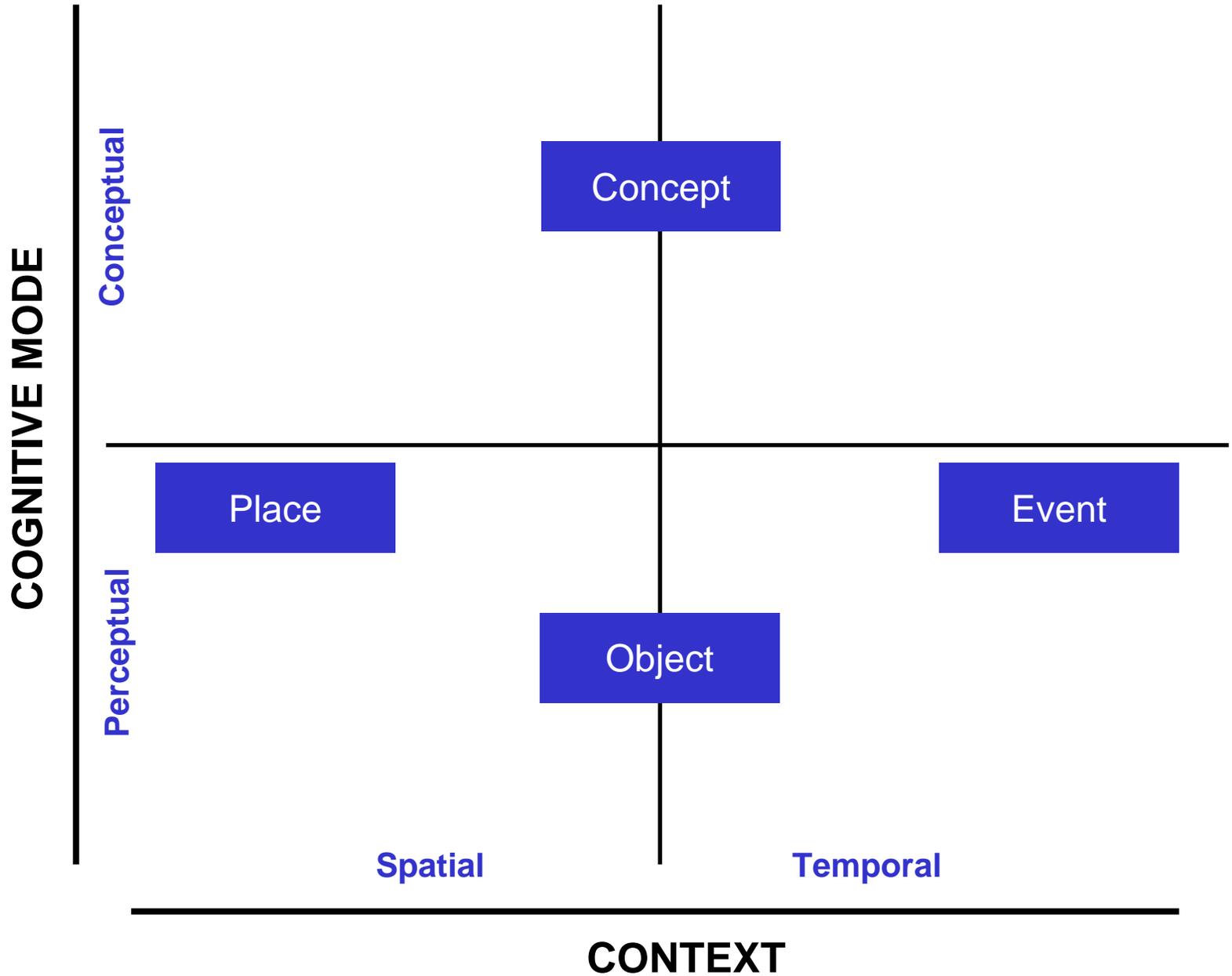
- scope of representation
 - universe of human observation and thought
- specificity of categorization
 - meaningful relationship to conventions for subject access

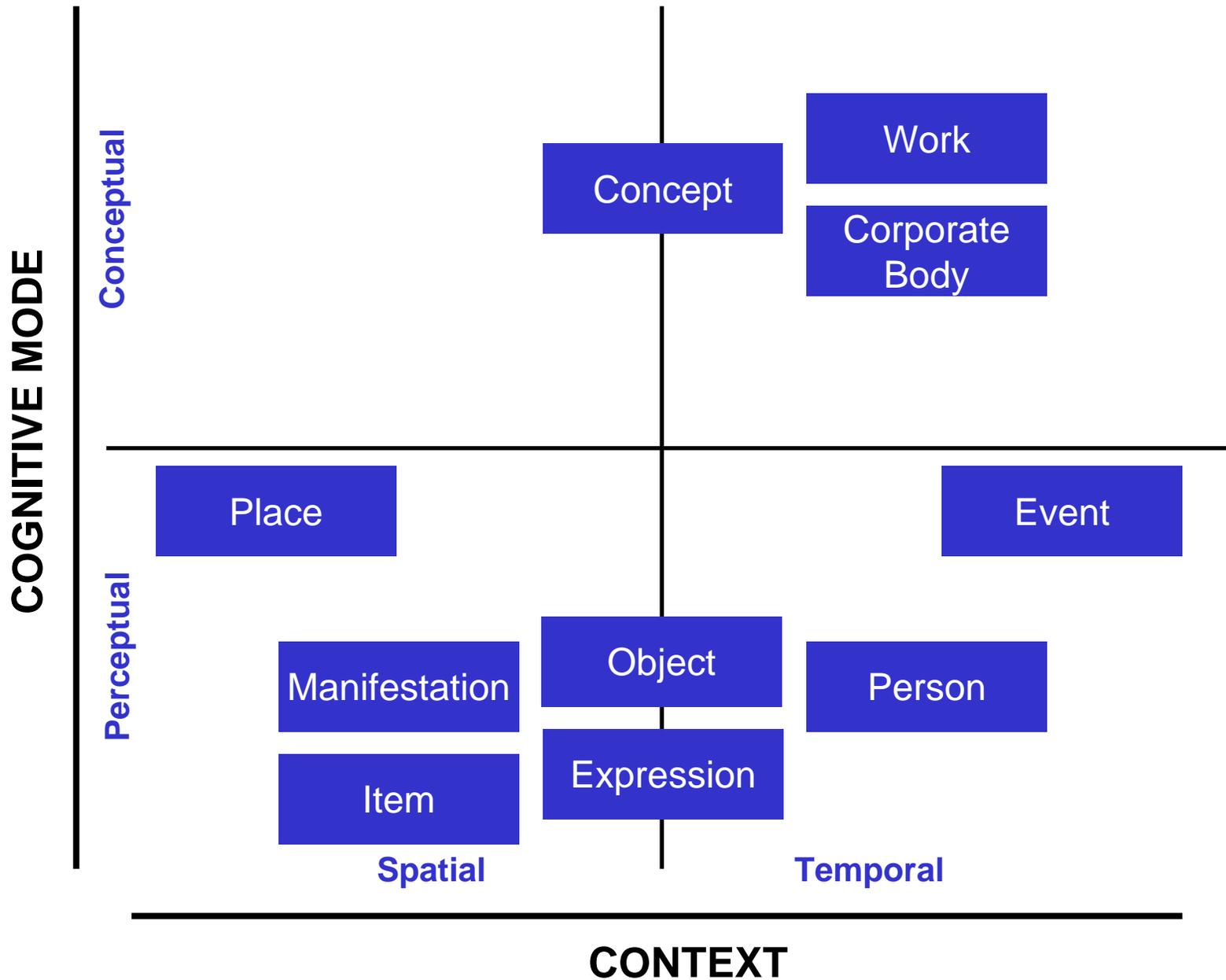
<indec>

COGNITIVE MODE



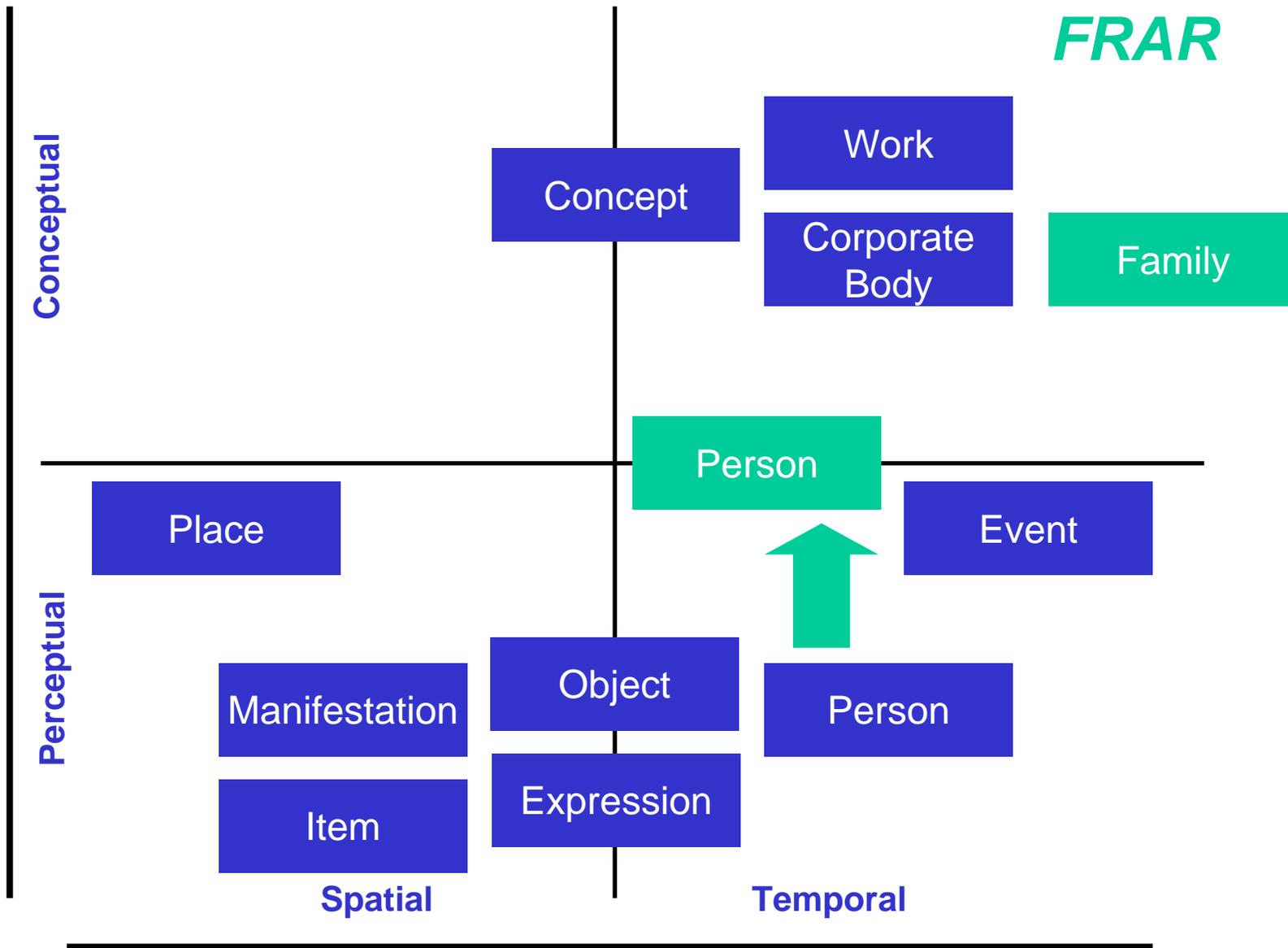
CONTEXT





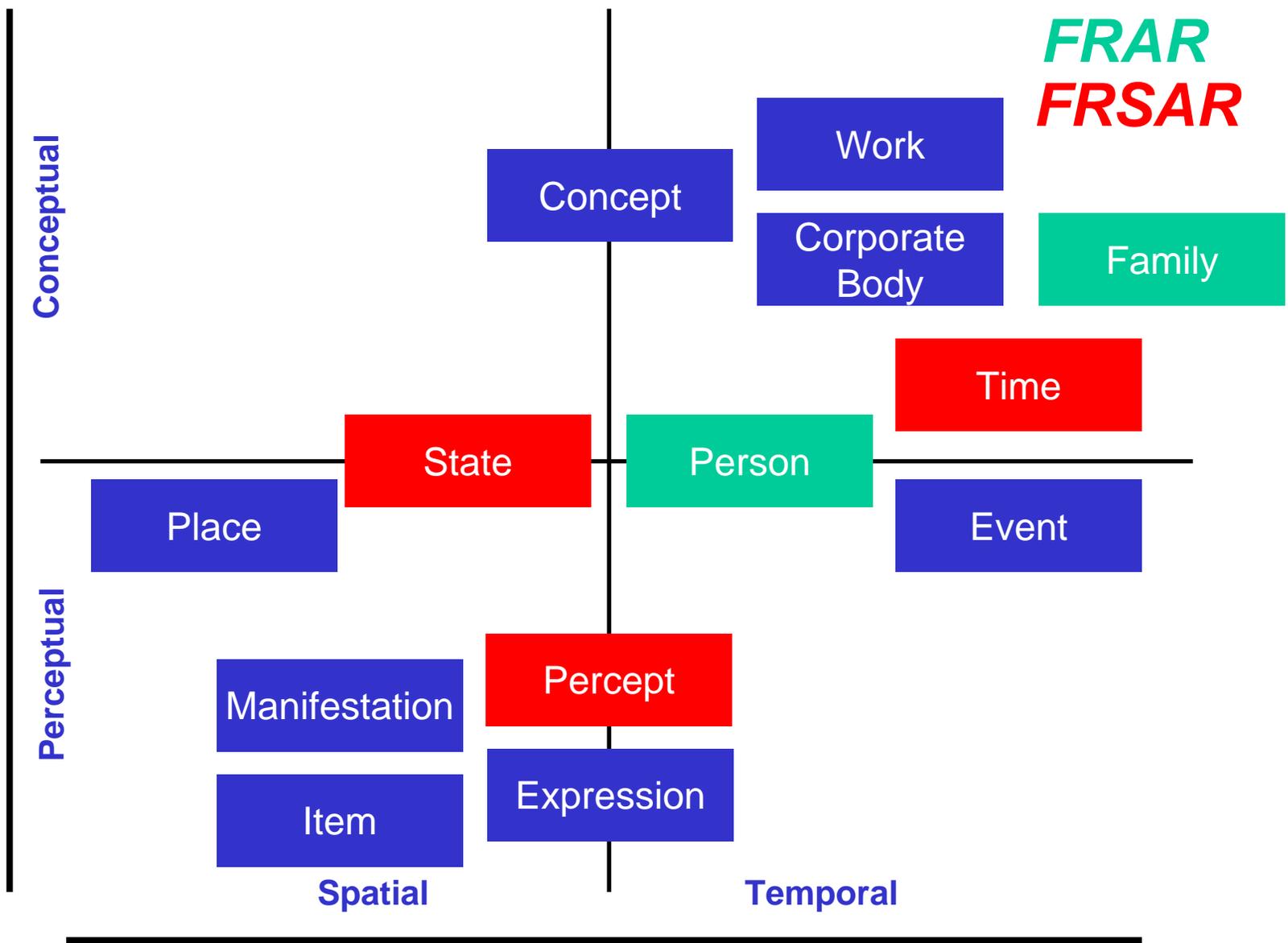
FRBR
FRAR

COGNITIVE MODE



FRBR
FRAR
FRSAR

COGNITIVE MODE



Conceptual

Perceptual

CONTEXT

Spatial

Temporal

Concept

Work

Corporate
Body

Family

Time

State

Person

Event

Place

Percept

Manifestation

Expression

Item

Reviewing the repertoire of attributes

- attributes reflected in access points
- supplementary attributes recorded in authority records

Work

title of . . .

form of . . .

date of . . .

other . . .

Expression

title of . . .

form of . . .

date of . . .

language of . . .

other . . .

Manifestation

title of . . .

edition . . .

publisher . . .

date . . .

Item

item identifier

Person

name of . . .

dates of . . .

title of . . .

other designation

Corporate Body

name of . . .

number . . .

place . . .

date . . .

other designation

Concept

term for . . .

Object

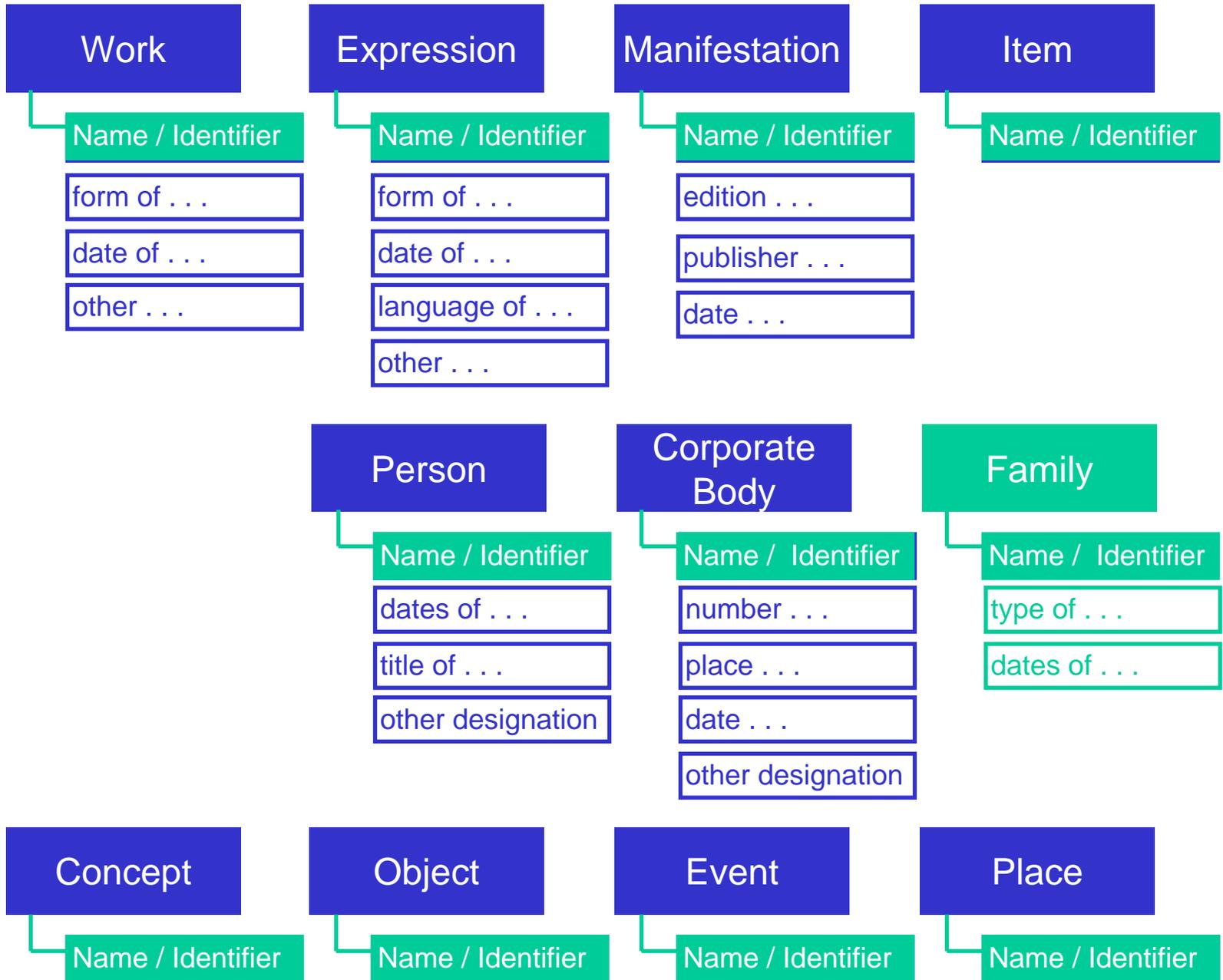
term for . . .

Event

term for . . .

Place

term for . . .



Name

forename

surname

number

title/term of . . .

other part of . . .

corporate name

trade name

title

scope of usage

dates of usage

language

script

transliteration

Identifier

type

ID string

suffix

Work

Name / Identifier

form of . . .

date of . . .

other . . .

place of origin

original language

Expression

Name / Identifier

form of . . .

date of . . .

language of . . .

other . . .

Manifestation

Name / Identifier

edition . . .

publisher . . .

date . . .

form of carrier

numbering

Item

Name / Identifier

location

Person

Name / Identifier

dates of . . .

title of . . .

other designation

gender

place of birth

place of death

place of death

country

affiliation

address

language

field of activity

profession

biography

Corporate Body

Name / Identifier

number . . .

place . . .

date . . .

other designation

type of . . .

headquarters

language

address

field of activity

history

Family

Name / Identifier

type of . . .

dates . . .

place . . .

history

Concept

Name / Identifier

type of ... ?

Percept

Name / Identifier

type of ... ?

date of product ?

place of product ?

producer ?

medium ?

dimensions ?

?

Event

Name / Identifier

dates ...

place ...

type of ... ?

Time

?

Place

Name / Identifier

coordinates ...

other ...

type of ... ?

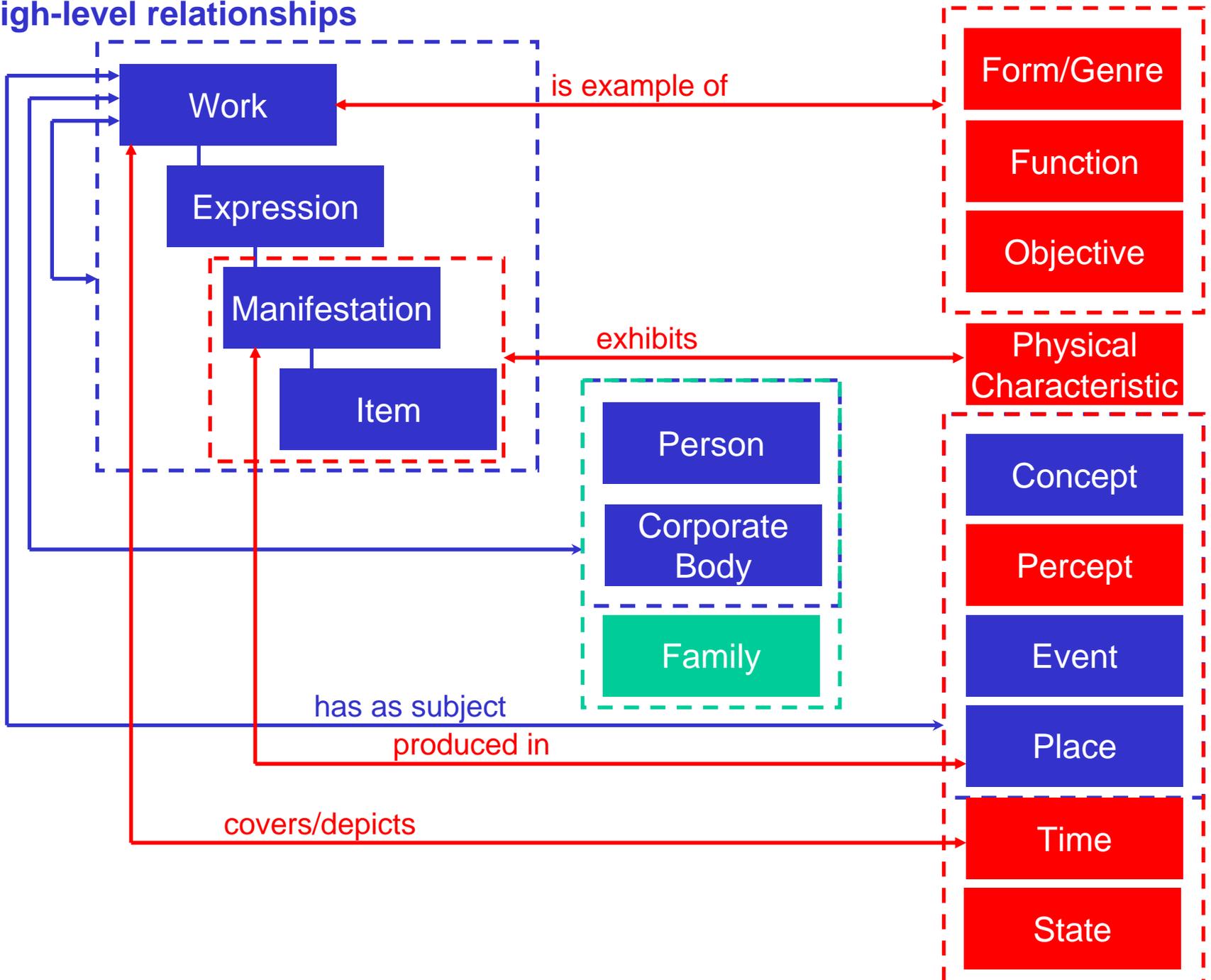
State

?

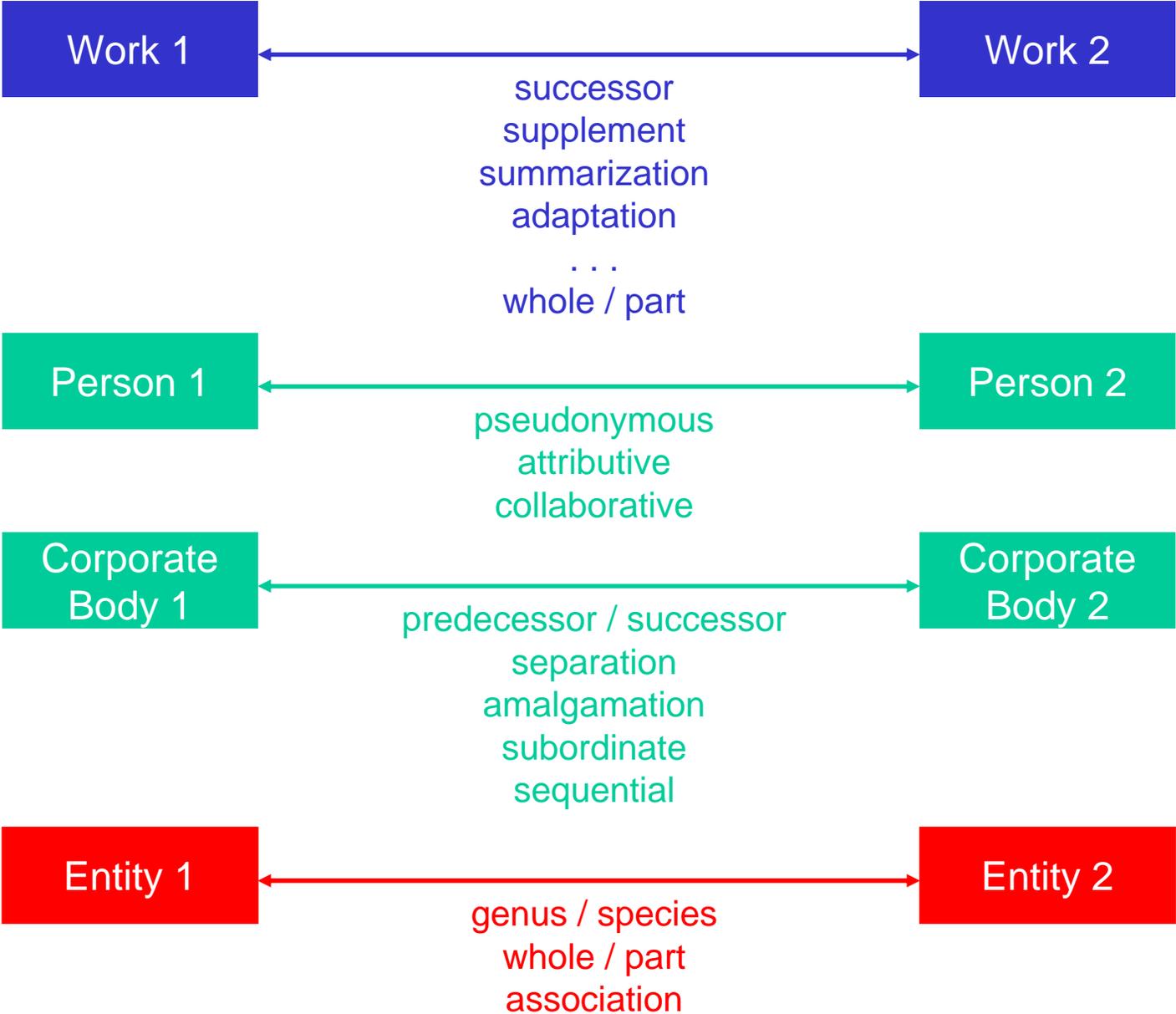
Extending the relationships

- high-level relationships
- relationships between specific instances of entities
- syntactic relationships

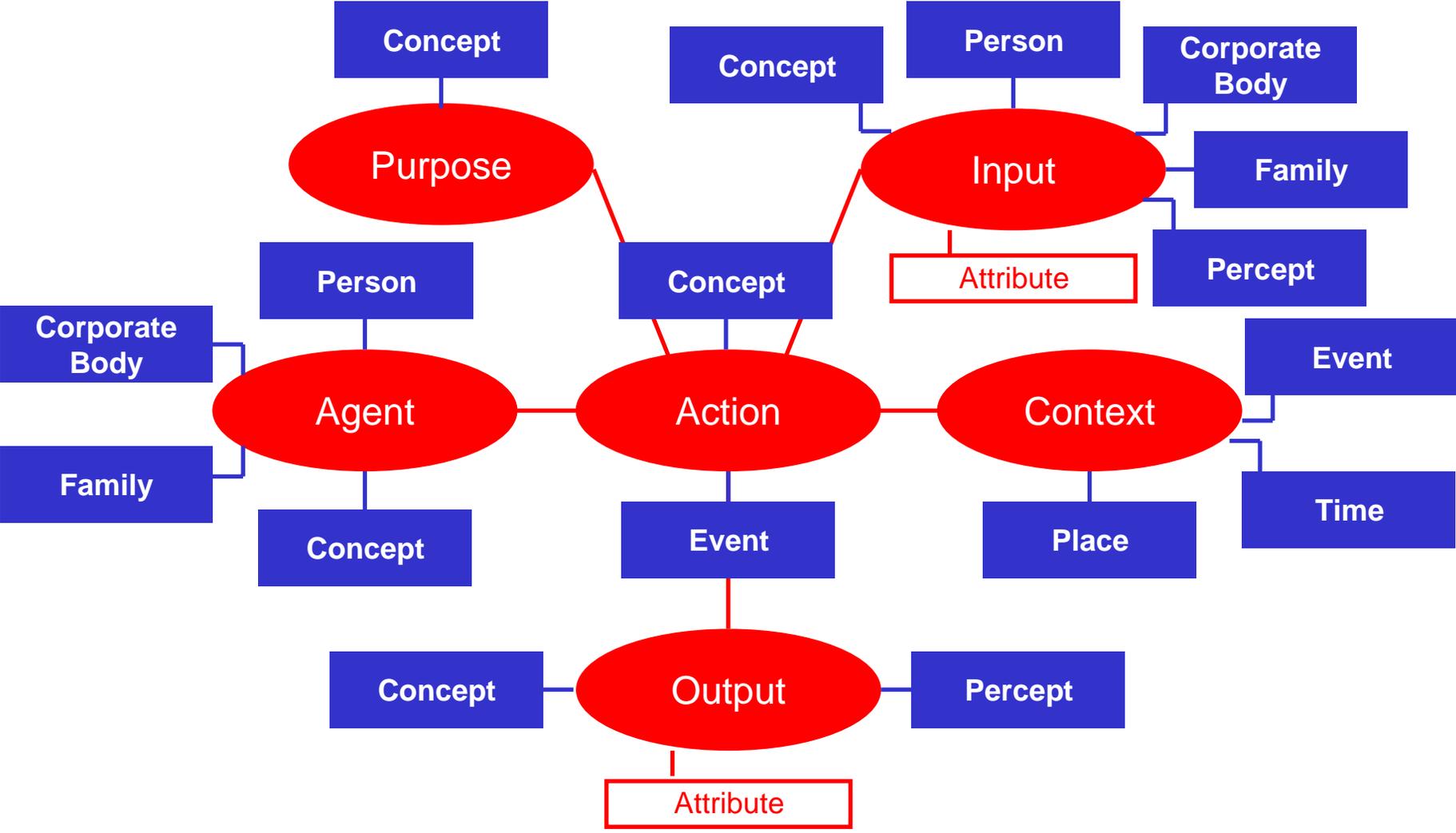
High-level relationships



Relationships between specific instances on entities



Syntactic relationships



Examples

PRECIS string renovation — houses — developers — Darmstadt

PRECIS role [action] [object] [agent] [location]

Entity

Concept

Concept

Concept

Place

Role

(action)

(input/output)

(agent)

(context)



AAT string Romanesque — stone — churches — renovation

AAT facet [style] [material] [object] [activity]

Entity

Concept

Concept

Concept

Concept

Role

(input/output)

(input/output)

(input/output)

(action)



Summing up

- Redefinition of FRBR entities
 - object \Rightarrow percept
 - event \Leftrightarrow time
- Definition of entities for quasi-subjects
 - form / genre / function / objective / physical characteristic
- Reconsideration of attributes
 - type of concept / type of percept
 - additional attributes of concept / percept / time / state
- Extension of relationships
 - quasi-subjects (covers / produced in / example of / exhibits)
 - hierarchical / associative
 - syntactic