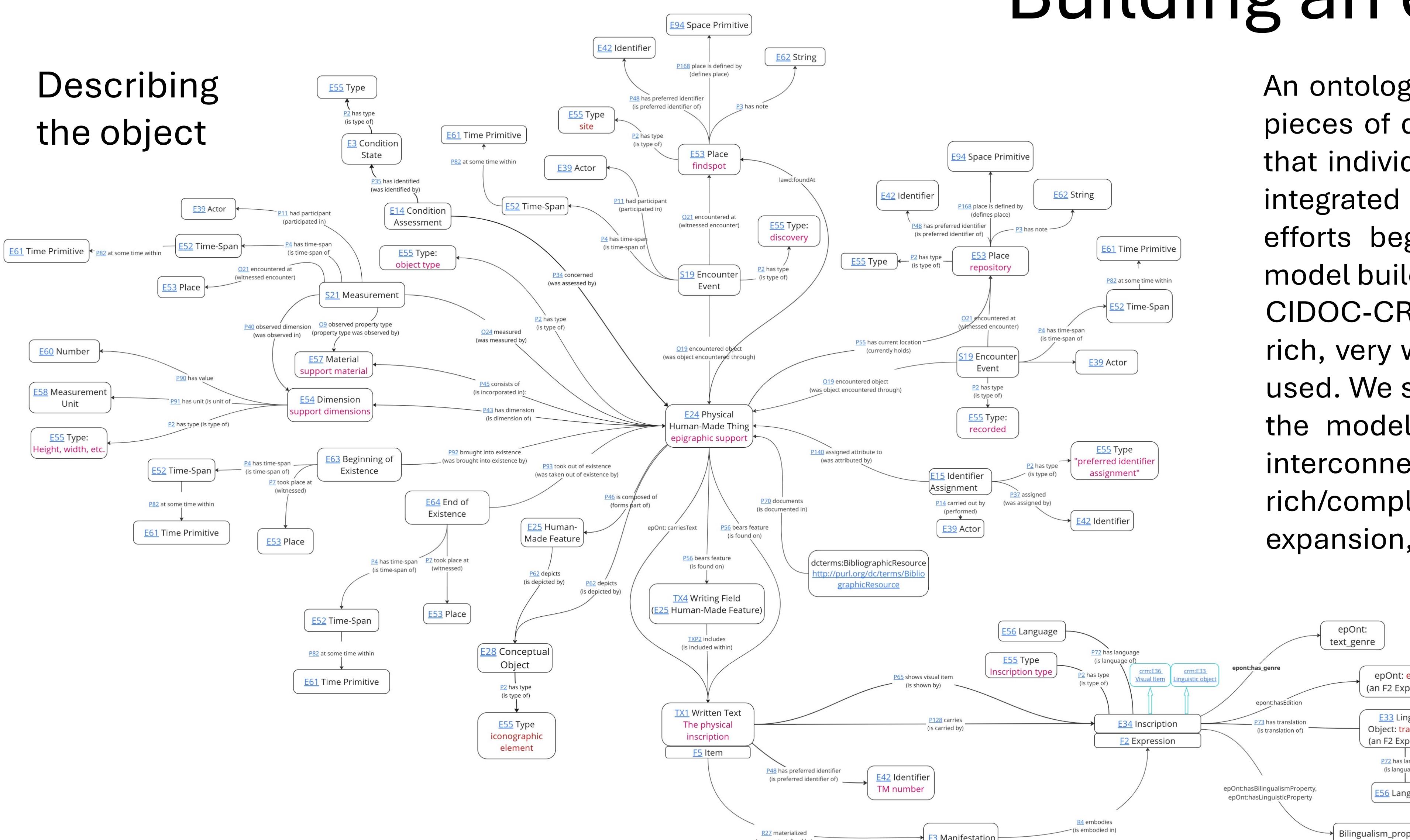
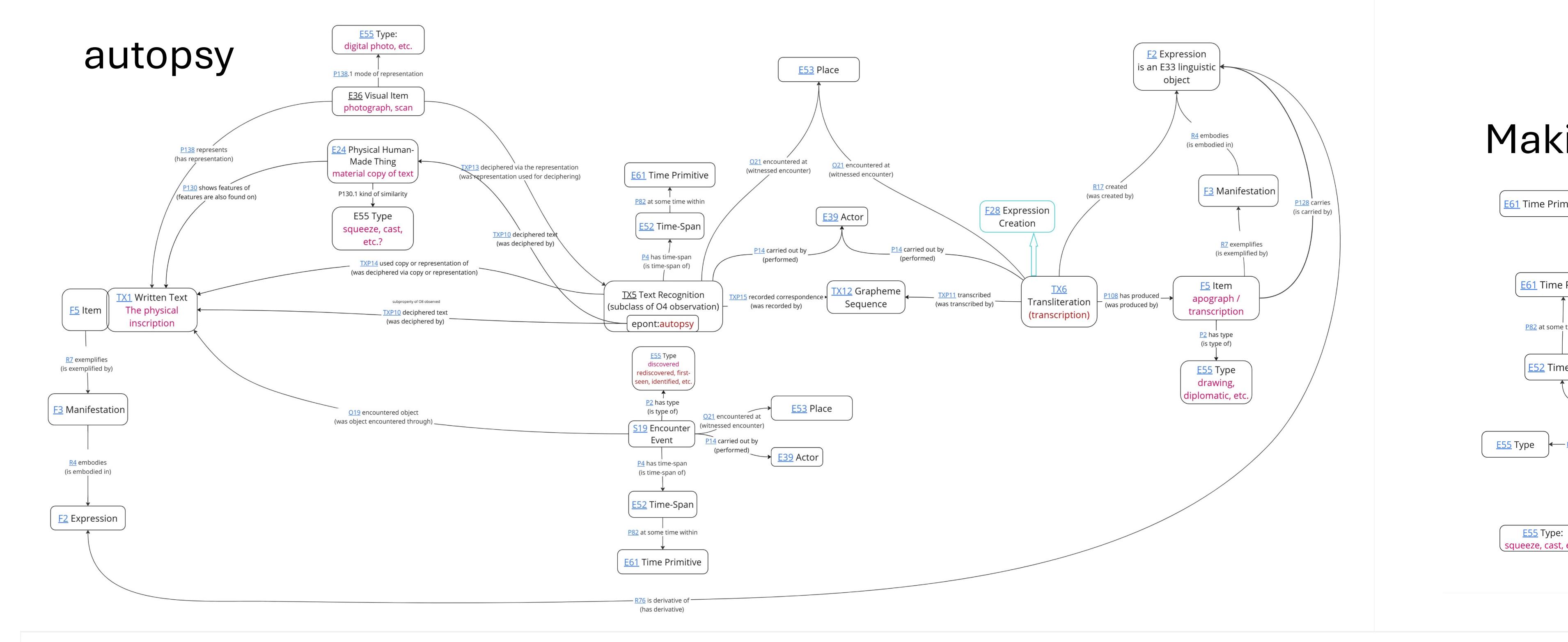


# Building an epigraphic ontology

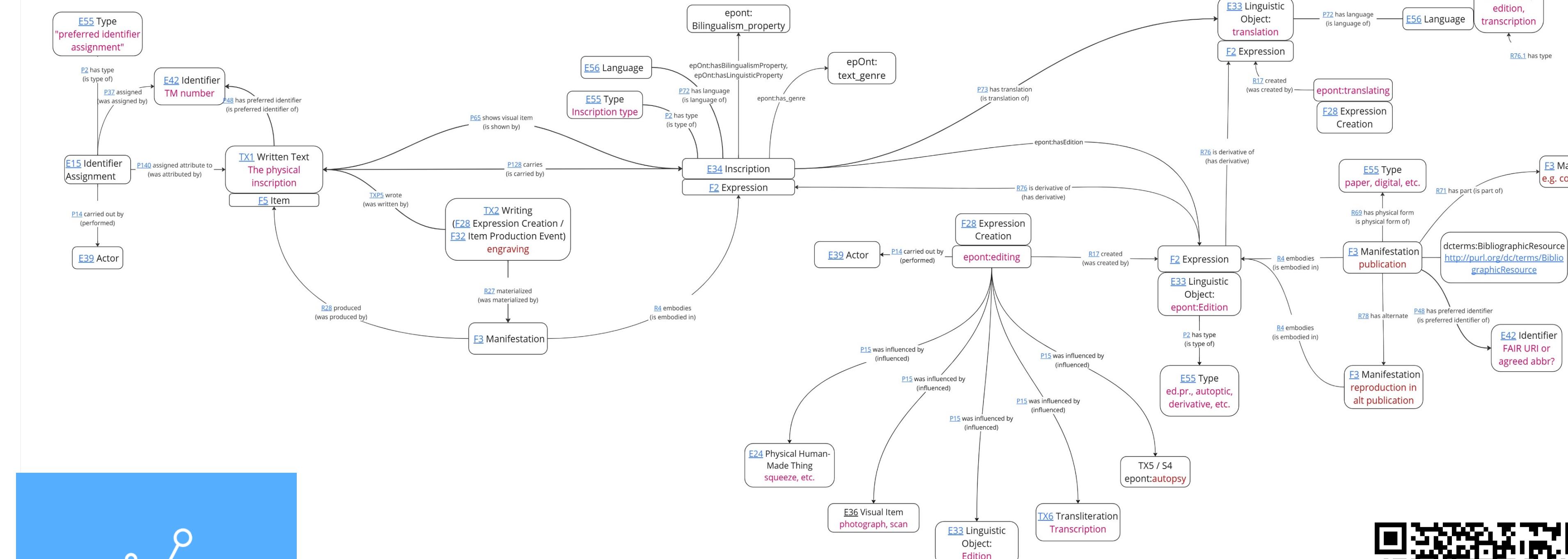
# Describing the object



# autopsy



# From inscription to edition



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 Arts and  
Humanities  
Research Council

A QR code with a central blue square containing the text "FAIR Epigraphy" and a small molecular structure icon.

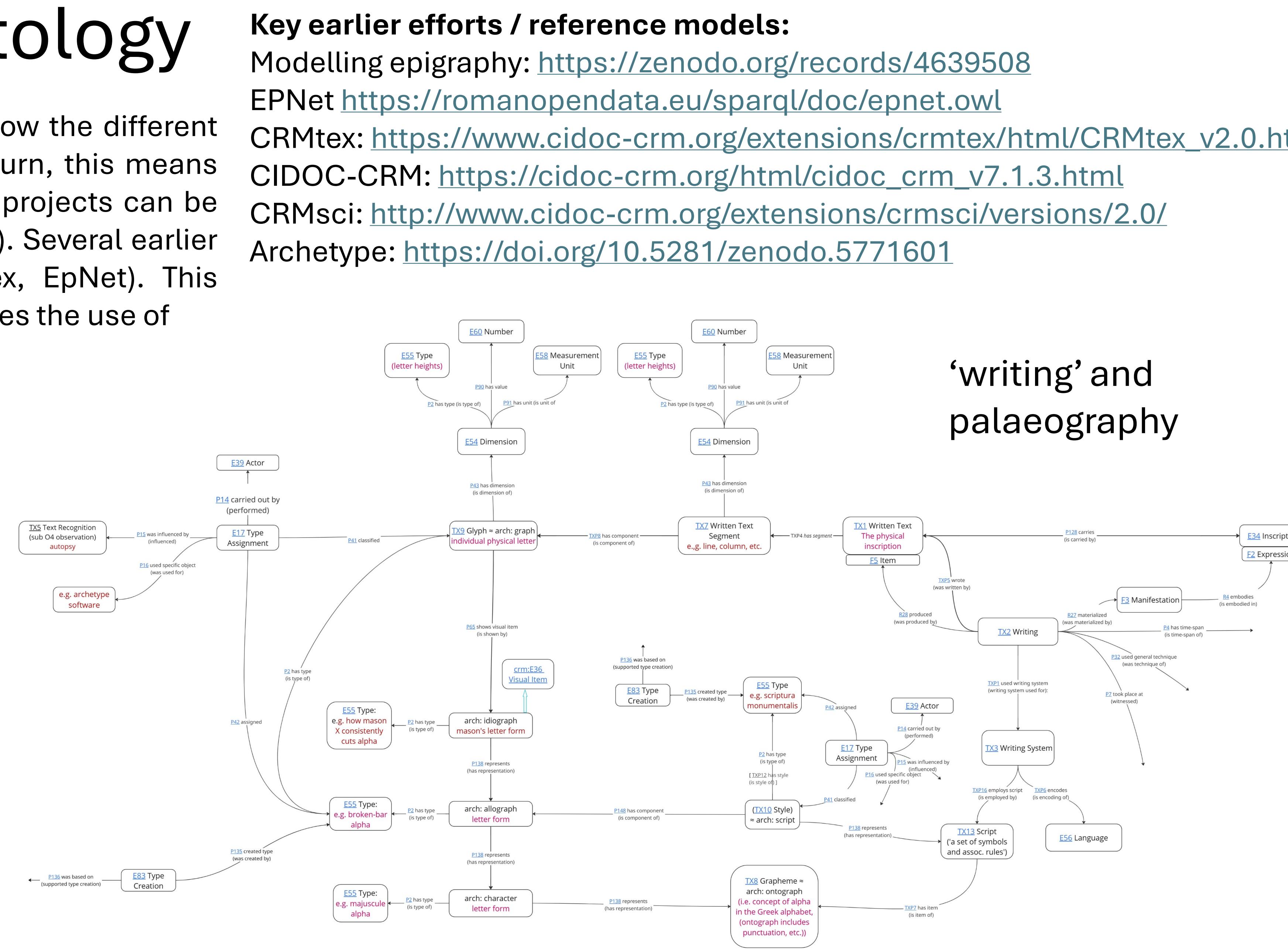
Scan the QR code to visit a MIRO board to view these graphs and links more easily

An ontology enables us to tell a computer how the different pieces of data that we have fit together. In turn, this means that individual pieces of data from different projects can be integrated (using the standard RDF language). Several earlier efforts began this process (EpOnt, CRMtex, EpNet). This model builds upon those efforts, and prioritises the use of CIDOC-CRM, which is conceptually rich, very well documented, and widely used. We separate out different parts of the model here, but all these graphs interconnect. The model is deliberately rich/complex to allow for future expansion, but can be simplified.

A simplified model is illustrated lower right. Note this is all work-in-progress. All suggestions very welcome!

‘Magenta’ text highlights standard epigraphic concepts

# opies



# Some key properties, and mapping to `EpiDoc`

lodal (Classes)	epidoc	domain	proposed class/path	notes
object/Support				
object Type	<objectType>	E24 Physical Human-Made Thing	P2 has type: E55 type	
object Date			P92 (was brought into existence by): E63 beginning of existence: P4 has time-span: E52 Time-span: P82 at some time within: E61 time primitive	
urrent Location	<m5Identifier><repository>		P55 has current location : E53 Place	
mensions	<support><dimensions>		P43 has dimension: E54 Dimension	
aterial	<material>		P45 consists of : E57 Material	
bject condition	<condition>		P34 (was assessed by): E14 Condition Assessment: P35 has identified: E3 Condition State : P2 has type : E55 type	
ferred identifier	<m5Identifier><idno>		P48 has preferred identifier: E42 Identifier	
ndspot	<provenance>		O19 (was object encountered through) : S19 Encounter event : O21 encountered at : E53 Place	
igraphic Field	<layoutDesc>		P56 bears feature : TX4 writing field	
scription (as physical inst.)				
ferred identifier	<publicationStmt><idno>	TX1 Written Text	P48 has preferred identifier: E42 Identifier	
etter heights	<handNote><dimensions>		TXP4 has segment: TX7 Written text segment: P43 has dimension: E54 dimension	
nguage	<textLang>		P72 has language: E56 Language [BUT, not clear what the correct domain is here: TX1, E34 (or F2 expression), or the path via TX2]	
etter forms	<handNote>		TXP4 has segment : TX7 written text segment : TXP8 has component : TX9 glyph: P65 shows visual item : arch: idiomgraph/allograph/character : P2 has type : E55 type	
ecution Technique	<layout><rs>		TXP5 (was written by): TX2 writing : P32 used general technique : E55 type [NB TO BE REFINED]	
scription date	<origDate>		TXP5 (was written by): TX2 Writing : P4 has time-span: E52 time-span: P82 at some time within : E61 Time primitive ; P82a begin of the begin / P82b end of the end	
ating evidence	<origDate evidence="">		TXP5 (was written by): TX2 Writing : P4 has time-span: E52 time-span: P140 (was attributed by) ; E13 Attribute assignment : P17 was motivated by : E55 type	
ace of origin	<origPlace>		TXP5 (was written by): TX2 Writing : P7 took place at : E53 Place	
scription as text (nonphysical)		F2 Expression or E34 Inscription		
scription type	<textClass>		P2 has type : E55 type	
nguage	<textLang>		P72 has language : E56 Language	
enre	?		epont: has_genre : epont: text-genre	
lingualism features	?		epont: has_linguistic_property : epont: Bilingualism property [??]	
utopsy and provenance		TX1 Written Text		
bservation	<provenance>		O19 (was object encountered through) : S19 Encounter event [has place, time, actor, type, etc.]	
utopsy	<provenance type="observed" subtype="autopsied">		TXP10 (was deciphered by) : TX5 text recognition = epont: autopsy	
anscription			TXP10 (was deciphered by) : TX5 text recognition = epont: autopsy : TXP 15 recorded correspondence : TX12 grapheme sequence : TXP11 transcribed : TX6 transliteration : P108 ha	
eproduction (creation)			P12 (was present at) : E12 production : P108 has produced : E24 physical human-made thing i.e. TX1 Written text	
eproduction (relation)			P130 (features are also found on): TX1 Written text : P130.1 kind of similarity : E55 type	
age	<facsimile>		P138 (has representation) : E36 Visual item : P138.1 mode of representation : E55 type	
iting				
dition	<div type="edition">		F2 Expression: R76 (has derivative); F2 Expression = E33 Linguistic Object ; R4 (is embodied in) ; F3 Manifestation	
anslation	<div type="translation">		F2 Expression: R76 (has derivative); F2 Expression = E33 Linguistic Object ; R4 (is embodied in) : F3 Manifestation or E34 Inscription: P73 has translation : E33 Linguistic Object	

# Modelling the relationship of inscription text to edition text

