Academisch Toerisme Ontology

User Requirements:
Entities:
1. PER
2. LOC
    a. Types of buildings
3. ORG
4. Itinerary
    a. Time taken
    b. Distances
5. Road type
6. Mode of transport/carriages and types of carriages (post, private, "hitchhiking", official vs. unofficial transport), walk (wandeling = for walk with the purpose of sightseeing), horseback
7. Kind of lodging (private, official, etc)
8. The letter itself and sentences (layers of annotation, original vs. corrected vs. spelling etc, see above)
9. Miscellaneous Entities mentioned: e.g. Artworks, Emotion, Activity/Events, Purposes, Lecture, Works produced …

Journey Itinerary
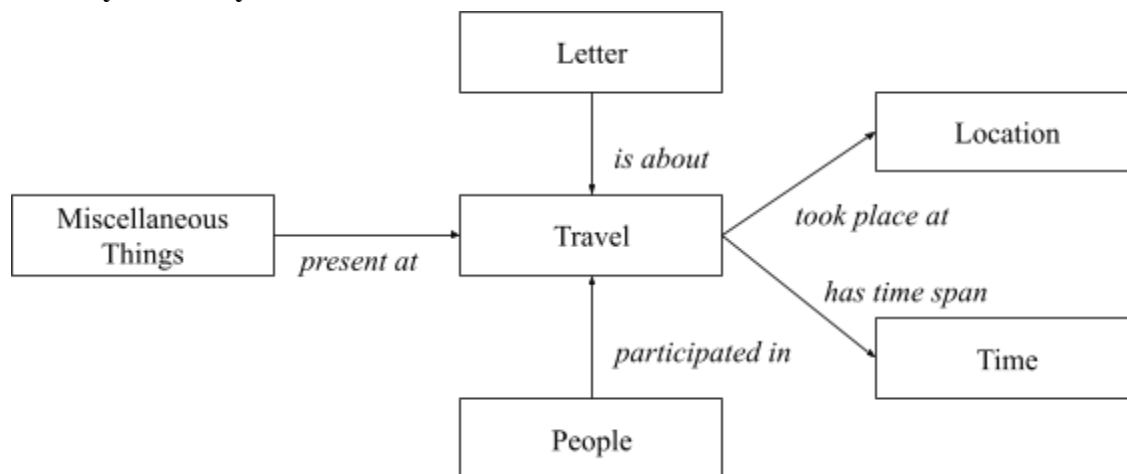
prefix dns: <http://www.loa-cnr.it/ontologies/DnS/> .
prefix crm: <http://www.cidoc-crm.org/cidoc-crm/> .
prefix lrm: <http://iflastandards.info/ns/lrm/lrmoo/> .

Class:
      <u>crm: E39 Actor</u>
            <u>crm: E21 Person</u>
            <u>crm: E74 Group</u>

crm: E53 Place
crm: E18 Physical Thing
crm: E52 Time-Span
crm: E63 Beginning of Existence
      crm: E5 Event
      crm: E7 Activity
            crm: E9 Move
            crm: E85 Joining
            crm: E86 Leaving
crm: E28 Conceptual Object
      lrm: F2 Expression
      lrm: F3 Manifestation
      crm: E31 Document
      dns: relation
crm: E54 Dimension

Property:

dns: involved in
crm: P2 has type
crm: P4 has time-span
crm: P7 took place at
crm: P8 took place on or within
crm: P11 participated in
crm: P12 occurred in the presence of
crm: P16 used specific object
crm: P26 moved to
crm: P27 moved from
crm: P43 has dimension
crm: P51 has former or current owner
crm: P59 has section
crm: P67 refers to
crm: P70 documents
crm: P92 brought into existence
crm: P101 had as general use
crm: P103 was intention of.
crm: P107 has current or former member
crm: P129 is about
crm: P134 continued
crm: P148 has component
crm: P183 ends before the start of
crm: P191 had duration

Annotation Guidelines

https://recogito.pelagios.org/

Character Type:
1. Person or Group Classification: Determine if the character represents an individual person, a group of people, or if the classification is uncertain.
2. Annotations:
   a. **Individual Person**: Tag as **E21 Person**.
   b. **Group of People**: Tag as **E74 Group**.
   c. **Uncertain**: Tag as **E39 Actor.**
3. Membership in Tour Group: Classify if characters are members of a tour group.
   a. Tour Group: Represent the travel group's involvement in the entire journey.
   b. Annotations: Tag as **E74 Group**.
4. Annotations:
   a. **Is a Member**: Use the property ***P107 has current or former member*** to associate the E21 Person/E74 Group/E39 Actor with E74 Group.
   b. **Is Not a Member**: No specific property required.

Character Role:
1. **Narrator** (E21 Person): The person who wrote the travelog.
2. **Travel Co-Participant** (E21 Person / E74 Group): Individuals or groups who travel along with the narrator.

3. **Owner** (E21 Person / E74 Group / E39 Actor): The person or group that owns specific artifacts, landmarks, or locations mentioned in the travelog.
4. **Non-Travel Event Participant** (E21 Person / E74 Group / E39 Actor): Individuals responsible for making artifacts, artworks, buildings, etc., to be existence mentioned in the travelog.

Example:
> Travel group (E74 Group)
> → *P107 has current or former member*
> Narrator: Author of Vierde Brief (E21 Person)
> Travel Co-Participant: 6 Groninger Menoniten (E74 Group), van Assen (E21 Person), de Geer (E21 Person), Hogendorp (E21 Person)

Membership Dynamics
1. Definition: Classify whether the person's membership in the group is temporary, and specify the time of joining or leaving.
2. Annotations:
   c. Temporary Membership: Use **E85 Joining** for the joining event (e.g., arrival at a certain place) and **E86 Leaving** for the leaving event (e.g., departure from a certain place).
   d. Joining/Leaving Time: Use *P4 has time-span* and specify *E52 Time-Span* for the period during which the E85 Joining/E86 Leaving occurred.
   e. Joining/Leaving Place: Use *P7 took place at* and define the **E53 Place** for which the E85 Joining/E86 Leaving occurred.
   f. **Sequence**: Use *P183 ends before the start of* to specify the temporal sequence of membership changes (i.e., who joins or leaves after whom).

Example:
> "zynde te gelyk met ons in het slot de **6 Groninger Menoniten (E74 Group)**, die daags na ons **vertrokken (E86 Leaving)**, & de vorige dag in Cassel waren **aangekomen (E85 Joining)**, alsmede de Hr **van Assen (E21 Person)** Secretaris van Z.H. Prins Frederik en de Student **Hogendorpde (E21 Person)** vorige dag insgelyks in **Cassel (E53 Place)** gearriveerd, waarvan de laatste het overige van de reis met ons zal doen terwyl de Hr **van Assen** met den Hr **de Geer (E21 Person)** dadelyk op Francfort gaat om dusdoende voor den 1 Augustus weder in den Haag te zyn **(E86 Leaving)**."
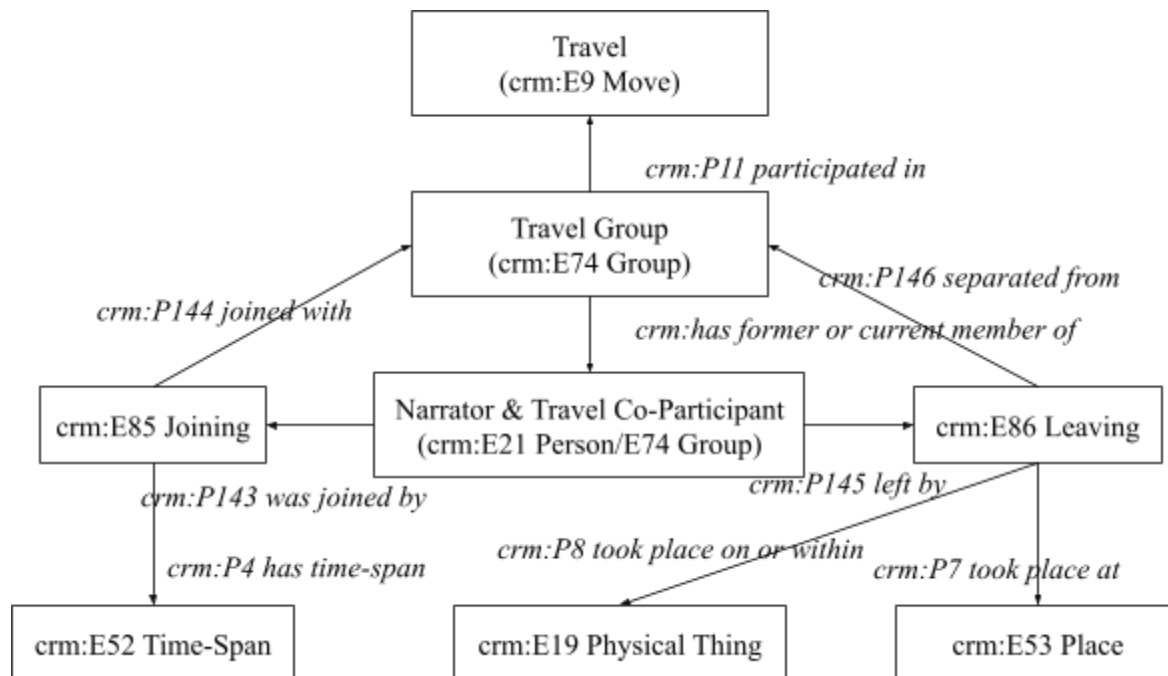
E85 Joining (6 Groninger Menoniten, van Assen, de Geer, Hogendorpde)
→*P183 ends before the start of*
→E85 Joining (narrator)
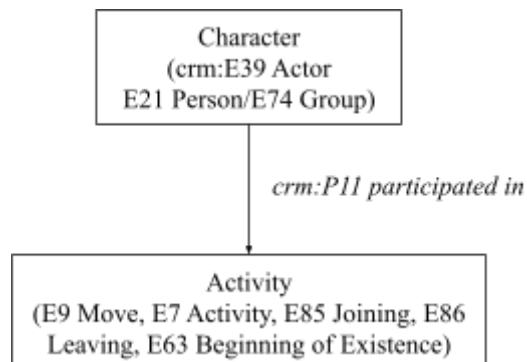E86 Leaving (van Assen, de Geer)
→*P183 ends before the start of*
→E86 Leaving (narrator, Hogendorpde)

Character Participation

1. Definition: Individuals or groups involved in an activity.
2. Annotations: Use ***P11 participated in*** to link the **E21 Person/E74 Group/E39 Actor** to the activity **(E9 Move, E7 Activity, E85 Joining, E86 Leaving, E63 Beginning of Existence)**.

Location Type

1. **General Locations**: Geopolitical Entities (GPE) (e.g., city, town), geographical region (e.g., natural region without political boundaries).
   a. Annotation: Tag as **E53 Place**.
3. **Specific Physical Entities**: buildings, landmarks, facilities that also serve as locations.
   a. Annotation: Tag as both **E53 Place** and **E19 Physical Thing**.
4. Tips for Annotators: To help distinguish if a location is identified only as **E53 Place** or both as **E53 Place** and **E19 Physical Thing**:
   a. Involvement in Creation Process: If the location is involved in a creation process, tag it as both **E53 Place and E19 Physical Thing**. Use **P92 brought into existence** to link the creation event to the resulting entity.
   b. Ownership: If the location is owned by someone, tag it as both **E53 Place and E19 Physical Thing.** Use *P51 has former or current owner* to link the owner (E21 Person or E74 Group) to the physical thing (E19 Physical Thing).

Example:

   "**Wilhelmshöhe (E53 Place/E19 Physical Thing)**, voorheen Weissenstein genoemd en ook reeds een blaauwe maandag Napoleonshöhe geheten, is een lustplaats aan **den Keurvorst van Hessen Cassel (E21 Person)** toebehorende een **groot uur (duration)** van de stad gelegen: de landgraven **Karel (E21 Person)** en **Frederik de II (E21 Person)** hebben hetzelve begonnen & het is op eene heerlyke wyze door den thans regeerende **Keurvorst Willem de IX (E21 Person**) voltooid geworden."

   Karel (E21 Person) en Frederik de II (E21 Person) en Willem de IX (E21 Person)
   →*P11 participated in*
   → Creation of Wilhelmshöhe (E63 Beginning of Existence)
   → *P92 brought into existence*
   → Wilhelmshöhe (E19 Physical Thing)

Example:

   Wilhelmshöhe: both E53 Place and E19 Physical Thing
   Wilhelmshöhe (E19 Physical Thing)
   → *P51 has former or current owner*
   → den Keurvorst van Hessen Cassel (E21 Person)

Time Span / Duration & Event
   1. Scope: Specify the time or duration of any activity (E9 Move, E7 Activity, E85 Joining, E86 Leaving, E63 Beginning of Existence)
   2. Annotation:
      a. Time-Span: Use *P4 has time-span* to annotate the period over which the activity or movement occurs **(E52 Time-Span)**.

    b.   Duration: Use **P191 had duration** to describe the precise duration of the activity **(E54 Dimension)**.

    c.
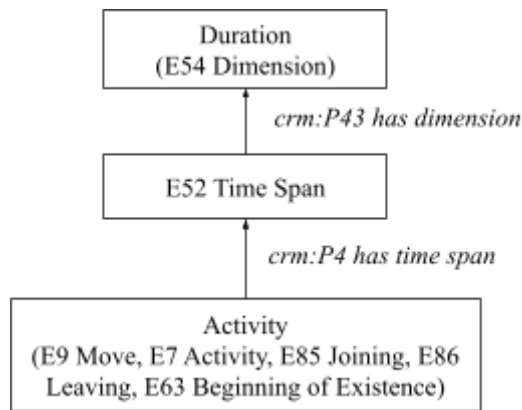
Example:

Travel from Cassel to Wilhelmshöhe (E9 Move)
→ *P4 has time-span*
→ *E52 Time-Span*
→ *P191 had duration*
→ duration (1 hour) (E54 Dimension)

Event & Location

1.   Scope: Specify the location where any activity happens (E9 Move, E7 Activity, E85 Joining, E86 Leaving, E63 Beginning of Existence)
2.   Annotation:
    a.   General Location: Use **P7 took place at** to link events to the location (**E53 Place**).
    d.   Physical Entities: Use **P8 took place on or within** to link events specifically to the physical entity (**E19 Physical Thing**).
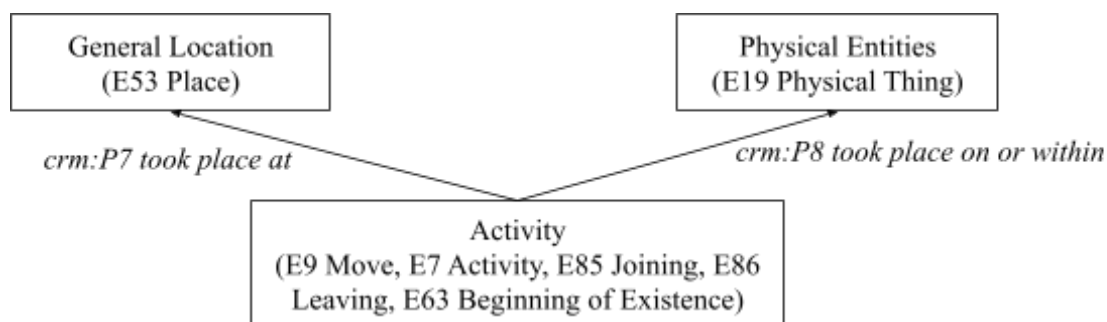
Example:

The departure of Hr van Assen & Hr de Geer from Kassel (E86 Leaving)
→*P7 took place at*
→ Kassel (E53 Place)

The indoor tour in Wilhelmshöhe Palace (E9 Move)
  →*P8 took place on or within*
  → Wilhelmshöhe Palace (E19 Physical Thing)

Journey Itinerary
1. Key Elements:
    a. Identify key locations involved in each travel stage of the journey (E53 Place, E19 Physical Thing).
    b. Identify characters participating in each travel stage (E21 Person, E74 Group, E39 Activity).
    c. Identify temporal aspects (time and duration) of each travel stage (E52 Time-Span, E54 Dimension).
    d. Identify the distance of route and type or description of route (E54 Dimension)
    e. Route: Tag as E53 Place.

```
       ┌─────────────────────┐
       │     Distance        │
       │  (E54 Dimension)    │
       └─────────────────────┘
                 ▲
                 │  crm:P43 has dimension
                 │               crm:P2 has type
                 │               crm:P3 has note
       ┌─────────────────────┐  ─────────────────►  ┌──────────────────────┐
       │      Route          │                      │  E55 Type/E62 String │
       │   (E53 Place)       │                      └──────────────────────┘
       └─────────────────────┘
                 ▲
                 │  crm:P7 took place at
                 │
       ┌─────────────────────┐
       │      Travel         │
       │    (E9 Move)        │
       └─────────────────────┘
```
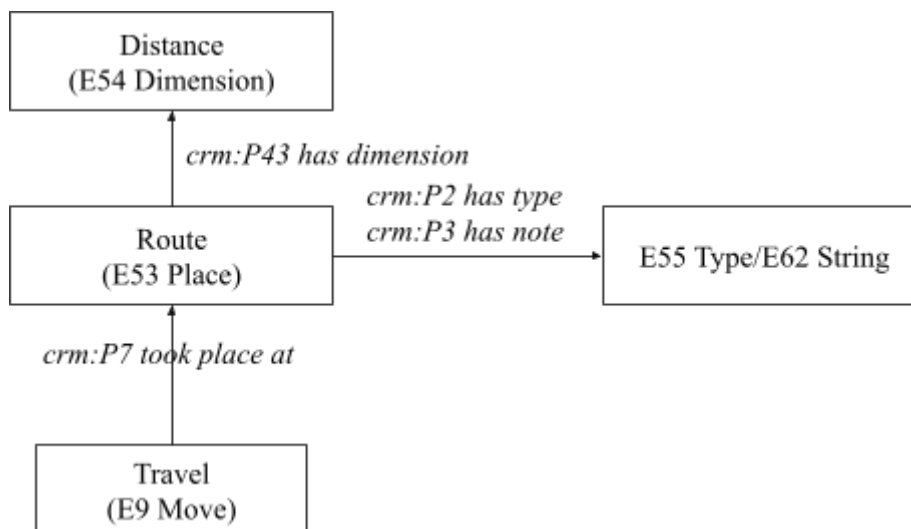
    f. The entire travel is an activity (E9 Move)
    g. Each travel stage is an activity (E7 Activity, E9 Move).
2. Travel Stage & Overall Tour
    a. Definition: Linking individual tour to the overall tour
    b. Annotation: Tag as **P10 contains**
3. Sequencing of Individual Segments:
    a. Definition: Chronological sequence of individual tour
    b. Annotation: Tag as **crm: P183 ends before the start of**
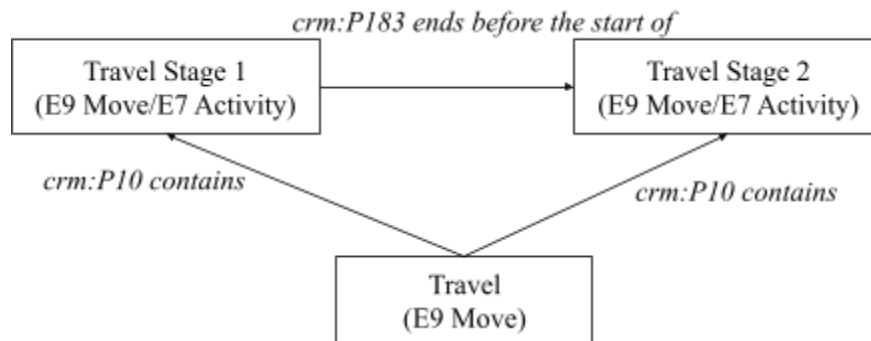
Example:

The entire travel in letter four (E9 Move)
→ *P10 contains*
→ Translocating from Kassel to Wilhelmshöhe (E9 Move)
      & Tour inside Wilhelmshöhe (E9 Move)
Translocating from Kassel to Wilhelmshöhe (E9 Move)
→*P183 ends before the starts of*
→ Tour inside Wilhelmshöhe (E9 Move)

4. Type of Travel Stage
   a. Definition: Classify each part of the journey based on whether it involves movement or staying in a location.
   b. Movement (**E9 Move**)
      i. Definition: Identify the type of movement (translocation, outdoor tour, indoor tour).
      ii. Translocation
         ● Definition: Movement between distant locations, such as cities or regions.
         ● Annotation:
            a. Type: Tag as **E9 Move**.
            b. Starting Point: Use *P27 moved from* to denote the initial location (E53 Place or E19 Physical Thing).
            c. Final Destination: Use *P26 moved to* to denote the ending location.

```
┌─────────────────────────┐              ┌─────────────────────────┐
│   Starting Location     │              │  Destination Location   │
│  (E9 Move/E7 Activity)  │              │  (E9 Move/E7 Activity)  │
└─────────────────────────┘              └─────────────────────────┘
         ↖                                          ↗
   crm:P27 moved from                      crm:P26 moved to
                    ┌─────────────────┐
                    │     Travel      │
                    │   (E9 Move)     │
                    └─────────────────┘
```
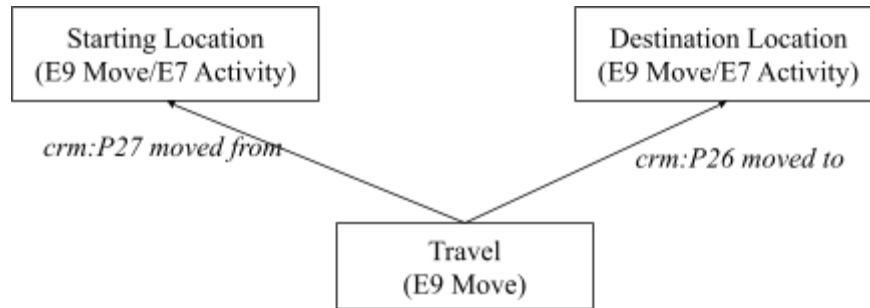
iii. Outdoor Tour
- Definition: Tours conducted outdoors, such as in city streets, parks, or natural landscapes.
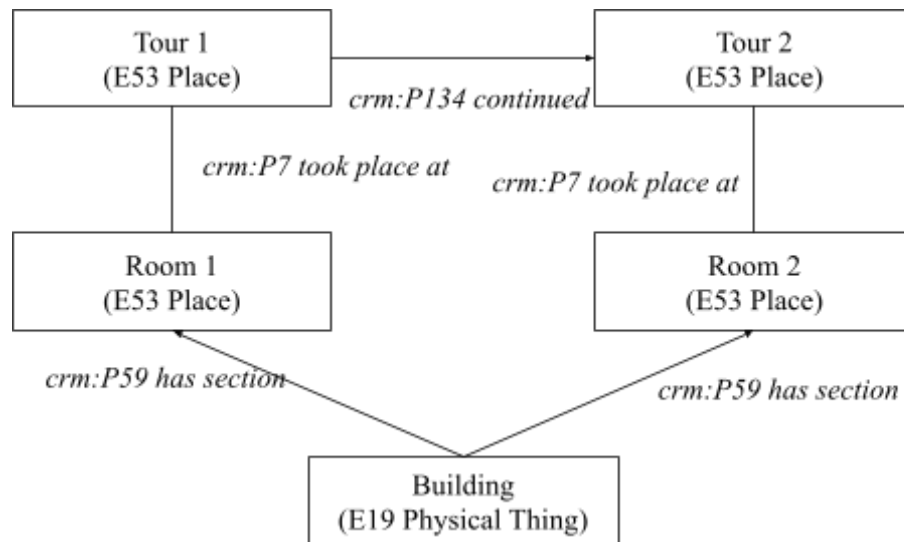- Annotation:
  a. Type: Tag as **E9 Move**.
  b. Components: Use ***P10 contains*** to link specific locations of the outdoor tour to individual events.
  c. Sequence: Use ***P134 continued*** to link sequential outdoor activities.

```
                        crm:P134 continued
┌─────────────────────────┐              ┌─────────────────────────┐
│   Visiting Location 1   │─────────────▶│   Visiting Location 2   │
│  (E9 Move/E7 Activity)  │              │  (E9 Move/E7 Activity)  │
└─────────────────────────┘              └─────────────────────────┘
         ↖                                          ↗
   crm:P10 contains                        crm:P10 contains
                    ┌─────────────────┐
                    │      Tour       │
                    │   (E9 Move)     │
                    └─────────────────┘
```
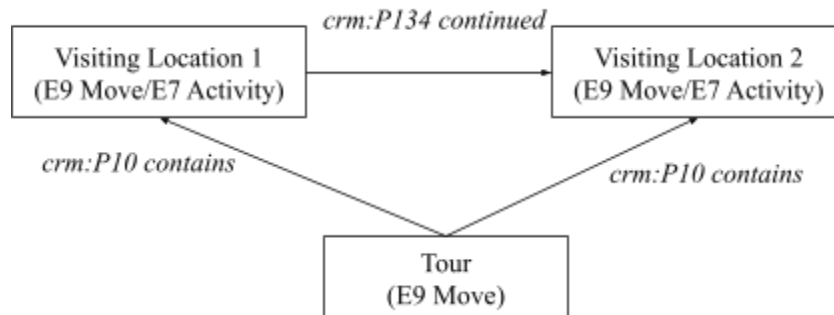
iv. Indoor Tour
- Definition: Tours conducted inside buildings.
- Annotation:
  a. Type: Tag as **E9 Move**.
  b. Use ***P8 took place on or within*** to link the indoor tour to the building (**E19 Physical Thing**).
  c. Components: Use ***P10 contains*** to link specific movement among rooms within the building.
  d. Specific physical entities, such as buildings that also serve as locations, contain room for indoor tours.
  e. Use ***P59 has section*** to describe sections of a physical entity (**E19 Physical Thing**), such as rooms or areas within a building (**E53 Place**).

f. Sequence: Use **P134 continued to** link sequential indoor activities.

```
┌─────────────────┐      crm:P134 continued      ┌─────────────────┐
│     Tour 1      │ ───────────────────────────▶ │     Tour 2      │
│   (E53 Place)   │                              │   (E53 Place)   │
└─────────────────┘                              └─────────────────┘
         │                                                │
  crm:P7 took place at                          crm:P7 took place at
         │                                                │
┌─────────────────┐                              ┌─────────────────┐
│     Room 1      │                              │     Room 2      │
│   (E53 Place)   │                              │   (E53 Place)   │
└─────────────────┘                              └─────────────────┘
         ▲                                                ▲
  crm:P59 has section                          crm:P59 has section
          ┌─────────────────────────────────────┐
          │              Building               │
          │        (E19 Physical Thing)         │
          └─────────────────────────────────────┘
```

Example:

"zoo kwamen wy dan ook door een **kleed (E53 Place), slaap (E53 Place), schryf (E53 Place) en muziek kamer (E53 Place)** in de **slaapkamer (E53 Place)** van Hieronymus (person) waar men notabene nog alle ornamenten van adelaars enz had gelaten. Eene gansche reeks van kamers nog passeerende kwamen wy boven op de **bibliotheek (E53 Place)**."

Wilhelmshöhe (E19 Physical Thing)
→*P59 has section*
→ kleed (E53 Place), slaap (E53 Place), schryf (E53 Place) en muziek kamer (E53 Place) slaapkamer (E53 Place) bibliotheek (E53 Place)

Tour (kleed) (E9 Move)
→*P134 continued to*
Tour (slaap) (E9 Move)
→*P134 continued to*
Tour (schryf) (E9 Move)
→*P134 continued to*
Tour (muziek kamer) (E9 Move)
→*P134 continued to*
Tour (slaapkamer) (E9 Move)
→*P134 continued to*
Tour (bibliotheek) (E9 Move)

c. Mode of Transportation:
  i. Type of Movement **(E9 Move)**: Use *P101 had as general use* to specify the type of movement (e.g., climbing, walking) **(E55 Type)**.
  ii. Transportation Tool **(E22 Human-made Object)**: Use *P16 used specific object* to link to the specific transportation object (e.g., carriage).
  iii. Linking Tool to the type of transportation: Use *P103 was intention of*.
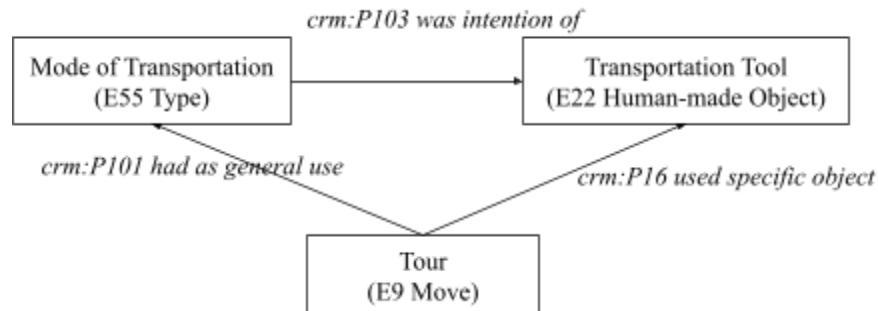
Example:
"wy hadden nu nog 900 trappen te **beklimmen (E55 Type)** om tot de **pyramide (E19 Physical Thing)** te komen als wanneer … Met vry wat meer gemak kwamen wy weder beneden te weten tot de voet der **Octogoon (E19 Physical Thing)** alwaar zich intusschen een menigte menschen verzameld had wyl hier de waterwerken beginnen; tot zoo verre kan men dan ook, door groote omwegen te gebruiken, zich met het **rytuig (E19 Physical Thing)** brengen laten."

Tour (pyramide) (E9 Move)
→P101 had as general use
→ beklimmen (E55 Type)

Reis (Octogoon) (E9 Move)
→ P16 used specific object
→ rytuig (E18 Physical Thing)

Reis (Octogoon) (E9 Move)
→ P8 took place on or within
→ Octogoon (E18 Physical Thing)

d. Temporary Stay **(E7 Activity)**
  i. Definition: Periods where the group stays in one place.
  ii. Annotation: Tag as **E7 Activity**.

   iii.   Location: For lodging, use *P2 has type* to linked to the type of lodging **(E55 Type)**.

Presentation or Ownership of Physical Entities
1. Definition: Miscellaneous physical entities, such as artifacts, present during any type of tour.
2. Annotation:
    a. Presence at Tour: Use *P12 was present at* to link buildings, landmarks, artifacts, etc. **(E19 Physical Thing)** seen during the tour (**E9 Move or E7 Activity**).
    b. Location of the physical entities: Use *P53 has former or current location*.
    c. Owned by a Person: Use *P51 has former or current owner* to link buildings, rooms, artifacts, etc. (**E19 Physical Thing**) to the owner (**E39 Actor/E21Person/E74 Group**)
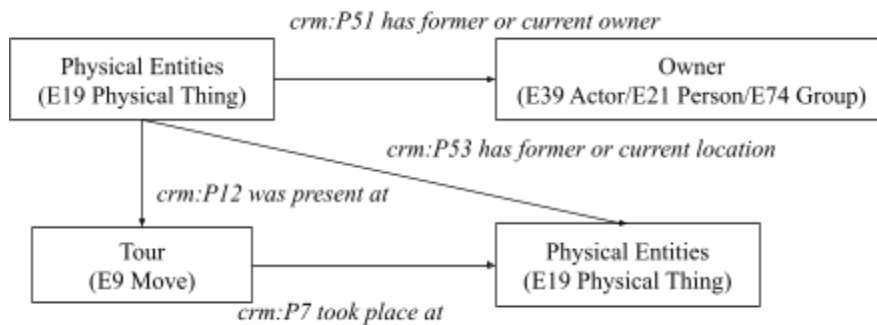
Locative Relation:
1. Definition: Relationship that defines how the entities are spatially related.
2. Annotation:
    a. Linking entities to the locative relation: Tag as **dns:involved in**
    b. Defining Locative Relations: Tag as **dns:relation**
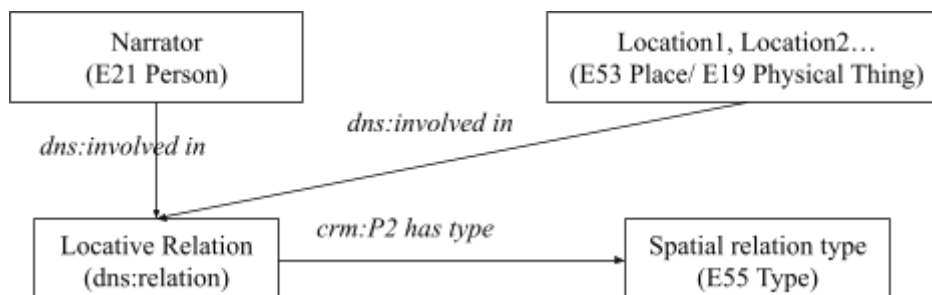
Example:

"Door de poort gekomen bevindt men zich op eene **vierkante opene plaats (E53 Place/E19 Physical Thing)** aan de eene zyde is de **kapel (E53 Place/E19 Physical Thing)**, stal **(E53 Place/E19 Physical Thing)**, **warenkamer (E53 Place/E19 Physical Thing)** en de **woning van de opziener (E53 Place/E19 Physical Thing)** terwyl het eigenlyke **gebouw (E53 Place/E19 Physical Thing)** de beide andere zyden beslaat."

Narrator (E21 Person)
& vierkante opene plaats (E53 Place/E19 Physical Thing)
& kapel (E53 Place/E19 Physical Thing), stal (E53 Place/E19 Physical Thing)
warenkamer (E53 Place/E19 Physical Thing)
& gebouw (E53 Place/E19 Physical Thing)
→ dns:involved in
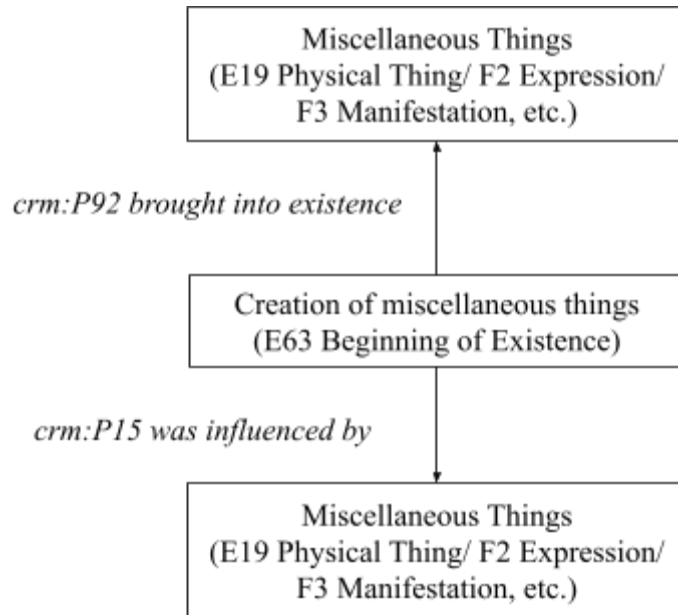→ Locative relation (dns: relation)
→ *P3 has note*
→ Chapel, stable, storeroom, and overseer's residence all located together on one specific side of the square; the main building would span the other two sides of the square.

Beginning of Existence of Miscellaneous Entities
1. Definition: Creation of buildings, artifacts, artworks, etc..
2. Annotation:
   a. Creation Event: Tag as **E63 Beginning of Existence**.
   b. Entities Created: Use *P92 brought into existence* to link the creation efvent to the resulting entity.
   c. Type of Miscellaneous Entities:
      i. Buildings, Landmarks, and Other Physical Structures: Tag as **E19 Physical Thing.**
      ii. Artworks, Books, and Other Creative Works: Tag as **F2 Expression.**
      iii. Publication of Artworks, Books, and Other Creative Works: Tag as **F3 Manifestation.**
      iv. Work might be influenced by other works: Use *P15 was influenced* by to link the creation of one work (**E63 Beginning of Existence**) to another work **(F2 Expression)**

Example:
"zagen wy eene **zaal (E53 Place)** geheel vol met **schilderyen (F2 Expression)** van **Titschbein (E21 Person)** veele derzelver stelden tafereelen voor uit de **Gierusalemne liberata (F2 Expression)** van **Torquato Tasso (E21 Person)**, eenige waren uit Wieland's **(E21 Person) Oberon (F2 Expression)** genomen, van deeze alle is eene zeer omslagtig catalogus te vinden in de beschreibung **des Kurfürstlichen Landsitzes Wilhelmshöhe bey Cassel (F3 Manifestation & E31 Document)** in **1804 (E52 Time Span)** door eenen **W. Döring (E21 Person)** te Cassel"

Miscellaneous Things
(E19 Physical Thing/ F2 Expression/
F3 Manifestation, etc.)

crm:P92 brought into existence

Creation of miscellaneous things
(E63 Beginning of Existence)

crm:P15 was influenced by

Miscellaneous Things
(E19 Physical Thing/ F2 Expression/
F3 Manifestation, etc.)

Wilhelmshöhe (E18 Pythical Thing) →P59 has section→ zaal (E53 Place) →P53 is former or current location of → schilderyen (F2 Expression) →P92 was brought into existence by → E63 Beginning of Existence → P11 had participant → Titschbein (E21 Person)

E63 Beginning of Existence → P15 was influenced by → Gierusalemne liberata (F2 Expression) →P92 was brought into existence by → E63 Beginning of Existence → P11 had participant → Torquato Tasso (E21 Person)

E63 Beginning of Existence → P15 was influenced by → beschreibung des Kurfürstlichen Landsitzes Wilhelmshöhe bey Cassel (F3 Manifestation) →P92 was brought into existence by → E63 Beginning of Existence → P11 had participant → W. Döring (E21 Person)

beschreibung des Kurfürstlichen Landsitzes Wilhelmshöhe bey Cassel (F3 Manifestation) →P92 was brought into existence by → E63 Beginning of Existence → P4 has time-span → E52 Time Span →P82 at some time within→ 1804

Documents mentioned in the Letter
1. Definition: Documenting various entities such as books, paintings, sculptures, and other artifacts. This includes both physical objects and their creation events.
2. Annotation:
   a. Documenting Entities: Tag as **E31 Document**
   b. Linking Document to Entities: Tag as **P70 documents (E19 Physical Thing, F2 Expression, E63 Beginning of Existence)**
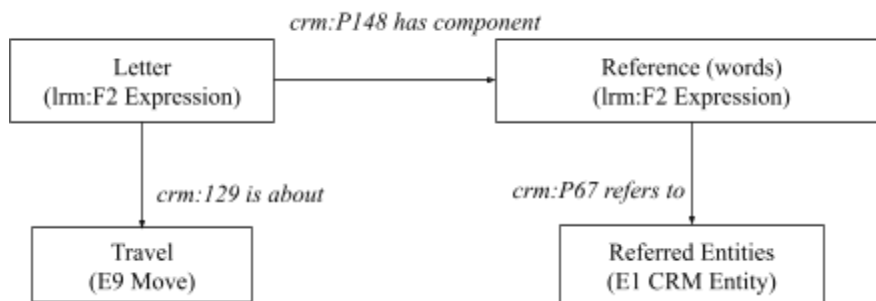
Example:

> beschreibung des Kurfürstlichen Landsitzes Wilhelmshöhe bey Cassel (E31 Document)
> →*P70 documents*
> → E63 Beginning of Existence

Letters, References, and Referred Entities
1. Annotation:
   a. Letter: Tag as **F2 Expression**
   b. Linking Letter to Its Content: Tag as ***P129 is about***
2. Definition: Use this to link the letter to the content—a journey **(E9 Move)**.
3. Annotation:
   a. Referencing Specific Words or Phrases: Tag as **E33 Linguistic Object.**
   b. Definition: Use this to represent the specific words or phrases within the letter that refer to entities or events.
   c. Linking References to Entities: Tag as ***P67 refers to***
   d. Description: Use this to link words or phrases in the letter to the entities or events they refer to.
   e. Relationship between reference and letter: Use ***P148 has component*** to link.

Example:

> Letter 4 (F2 Expression)
> → *P148 has component*
> → word "Wilhelmshöhe" (E33 Linguistic Object)
> →*P67 refers to*
> → Wilhelmshöhe (E53 Place/E19 Physical Thing)

LOD Resource:
PERSON: VIAF (https://viaf.org/)
LOCATION: TGN (https://www.getty.edu/research/tools/vocabularies/tgn/index.html);
WIKIDATA (https://www.wikidata.org)
CATEGORY: AAT (https://www.getty.edu/research/tools/vocabularies/aat/); WIKIDATA
(https://www.wikidata.org)

http://www.loa-cnr.it/ontologies/Actions#cognitive-event
http://www.loa-cnr.it/ontologies/FunctionalParticipation#substrate
http://www.cidoc-crm.org/cidoc-crm/P132_spatiotemporally_overlaps_with