|  |  |  |
| --- | --- | --- |
| MODULE NAME | CONCEPTS | RELATIONS |
| InterAgentRelationshipRecord | InterAgentRelationshipTypes | hasInterAgentRelationshipType(InterAgentRelationshipRecord,InterAgentRelationshipTypes) |
|  |  |  |
| External Reference Module | ExternalReference | withID(ExternalReference,xsd:string)  refersTo(ExternalReference,ExternalReferent) |
|  |  |  |
| Description | Description  EntityWithProvenance | asText(Description,xsd:string)  Is-a(Description,EntityWithProvenance)  Is-a(Match,EntityWithProvenance),  Is-a(Place,EntityWithProvenance)  Is-a(AgentRecord,EntityWithProvenance)  Is-a(Description,EntityWithProvenance)  hasOriginalSourceType(EntityWithProvenance,DocumentTypes)  isDirectlyBasedOn(EntityWithProvenance,EntityWithProvenance)  generatedBy(EntityWithProvenance,ProvenanceActivity)  performedBy(ProvenanceActivity,Agent)  attributedTo(EntityWithProvenance,Agent)  availableFrom(EntityWithProvenance,xsd:string)  used(EntityWithProvenance,EntityWithProvenance)  used(ProvenanceActivity,EntityWithProvenance) |
|  |  |  |
| Origin Record | OriginRecord | Is-a(OriginRecord,AgentRecord)  refersToPlaceOfOrigin(OriginRecord,Place)  hasECVO(OriginRecord,ECVO)  Is-a(Place,EntityWithProvenance),  refersToPlaceOfOrigin(OriginRecord,Place) |
|  |  |  |
| Race Record | RaceRecord | Is-a(RaceRecord,AgentRecord) |
|  |  |  |
| Age Record | AgeRecord  AgeCategory | Is-a(AgeRecord,AgentRecord)  **hasValue(AgeRecord,AgeCategory)**  **hasAgeValue(AgeRecord,xsd:double)** |
|  |  |  |
| Sex Record | SexRecord  SexTypes | Is-a(SexRecord,AgentRecord) |
|  |  |  |
| Person Status Record | PersonStatusRecord  PSCategories | Is-a(PersonStatusRecord,AgentRecord)  hasStatusGeneratedEvent(PersonStatusRecord,Event)  **hasValue(PersonStatusRecord, PSCategories)** |
|  |  |  |
| Occupation Record | OccupationRecord  Occupations | Is-a(OccupationRecord,AgentRecord),  **hasValue(OccupationRecord, Occupations)** |
|  |  |  |
| Provenance | EntityWithProvenance  LicenseInformation  DocumentTypes  Agent  ProvenanceActivity | Is-a(Match,EntityWithProvenance)  Is-a(Place,EntityWithProvenance)  Is-a(AgentRecord,EntityWithProvenance)  Is-a(Description,EntityWithProvenance),  hasOriginalSourceType(EntityWithProvenance,DocumentTypes),  hasLicenseInformation(EntityWithProvenance,LicenseInformation),  sDirectlyBasedOn(EntityWithProvenance,EntityWithProvenance)  generatedBy(EntityWithProvenance,ProvenanceActivity)  attributedTo(EntityWithProvenance,Agent), availableFrom(EntityWithProvenance,xsd:string),  used(EntityWithProvenance,EntityWithProvenance)  used(ProvenanceActivity,EntityWithProvenance)  Is-a(Person,Agent)  Is-a(Organization,Agent)  isRelationshipFrom(InterAgentRelationshipRecord,Agent)  performedBy(ProvenanceActivity,Agent)  attributedTo(EntityWithProvenance,Agent)  isRelationshipTo(InterAgentRelationshipRecord,Agent) |
|  |  |  |
| **Research Project** |  | **Not Considering This** |
|  |  |  |
| Participant Role Record | ParticipantRoleRecord  ParticipantRoleTypes | Is-a(ParticipantRoleRecord,AgentRecord)  hasParticipantRoleType(ParticipantRoleRecord,ParticipantRoleTypes) |
|  |  |  |
| Event | Event  EventTypes  Description  ExternalReference | Is-a(ResearchProject,Event),  hasEventType(Event,EventTypes),  hasStatusGeneratedEvent(PersonStatusRecord,Event),  Is-a(Description,EntityWithProvenance)  withID(ExternalReference,xsd:string)  refersTo(ExternalReference,ExternalReferent)  **hasName(Event,xsd:string)** |
|  |  |  |
| Place | Place  PlaceCV  Description  Coordinates  PlaceTypes  **PlaceTypeCV** | Is-a(Place,EntityWithProvenance),  refersToPlaceOfOrigin(OriginRecord,Place),  Is-a(Description,EntityWithProvenance)  Is-a(Coordinates,SpatialExtent),  **hasDescription(Place,Description)**  **hasPlaceType(Place,PlaceTypes)**  **hasCoordinates(Place,Coordinates)**  **hasName(Place,xsd:string)**  **hasAlternateName(Place,xsd:string)**  **spatiallyLocatedIn(Place,Place)**  **hasLongitude(Coordinates,xsd:double)**  **hasLatitude(Coordinates,xsd:double)** |
|  |  |  |
| TemporalExtent | TemporalExtent  Timespan | Is-a(TimeSpan,TemporalExtent)  fallsWithin(TemporalExtent,TimeSpan)  occursBefore(TemporalExtent,xsd:date)  startsAt(TemporalExtent,xsd:date)  occursAfter(TemporalExtent,xsd:date)  contains(TemporalExtent,xsd:date)  endsAt(TemporalExtent,xsd:date) |
|  |  |  |
| Name Record | NameRecord  NameVariant | Is-a(NameRecord,AgentRecord)  **fullNameAsString(NameVariant,xsd:string)**  **hasSurnameAsString(NameVariant,xsd:string)**  **hasFirstnameAsString(NameVariant,xsd:string)**  **hasNameVariant(NameRecord,NameVariant)**  **hasPerferredNameVariant(NameRecord, NameVariant)** |
|  |  |  |

Table 1