

PIAAF

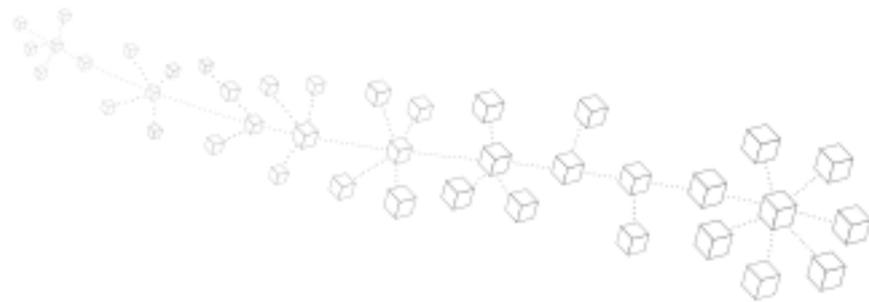
Pilot for Interoperable Archival Authorities in France

From Several Datasets to One Graph



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Reminder from last year's presentation



Who? What ? Objectives

- **Participants**

- Archives nationales, France
- Bibliothèque nationale de France
- Service interministériel des Archives de France (SIAF)



- **Objectives**

demonstrate usefulness of interconnecting the archival resources from different data providers by using the semantic web technologies:

- **represent in RDF** all datasets;
- **interconnect** and **enrich** the resulting datasets, especially by expressing relationships that exist among the described objects;
- **visualize** the datasets in a useful way, **graphically**, by enabling the user to navigate in the graph and access the source metadata.

- Qualitative requirements ; Rigorous methodological approach

Expressiveness | Possibility of reasoning (inference) | User-friendly interface

Datasets, Ontology, Prototype requirements

- **Dataset for the project**

- a small selection of EAC-CPF records, plus some FA from each of the partners
- relevant, controllable (amount, characteristics...), possible to interconnect with the data provided by the others
- Selection from two functional domains
 - Management of historical monuments and “civil buildings”
 - Public reading

- **Ontology for the project**

- Records in Contexts ontology (agreement with EGAD)

- **Requirements for the prototype**

- Web application in compliance with standards and best practices
- Input data analysis
- Open source
- Architecture based on a RDF triplestore
- Functionalities: Alignments, SPARQL queries, Construction of new triples, Analytical cartographies (Graph navigation, Timeline...)

Datasets

rich <eac-cpf> descriptions and <ead> FA

- BnF

- 55 <eac-cpf> records for corporate bodies
- 12 <eac-cpf> records for persons
- 6 <ead> FA

- SIAF

- 14 <eac-cpf> records describing categories of corporate bodies
- 92 <eac-cpf> records for corporate bodies
- 2 <eac-cpf> records for persons
- 2 <ead> FA

- Archives nationales

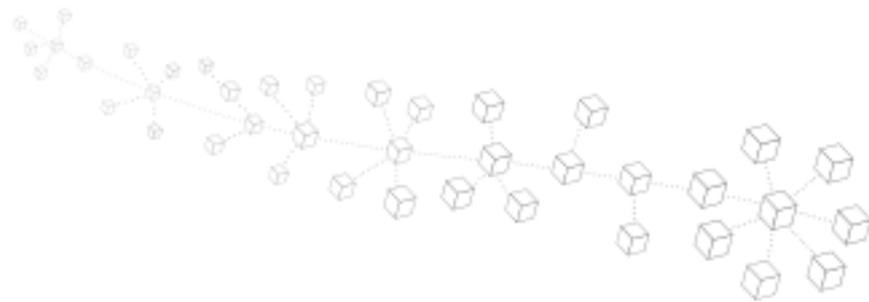
- 90 <eac-cpf> records for corporate bodies
- 10 <eac-cpf> records for persons
- 29 <ead> FA

A total of :

275 <eac-cpf> rich records

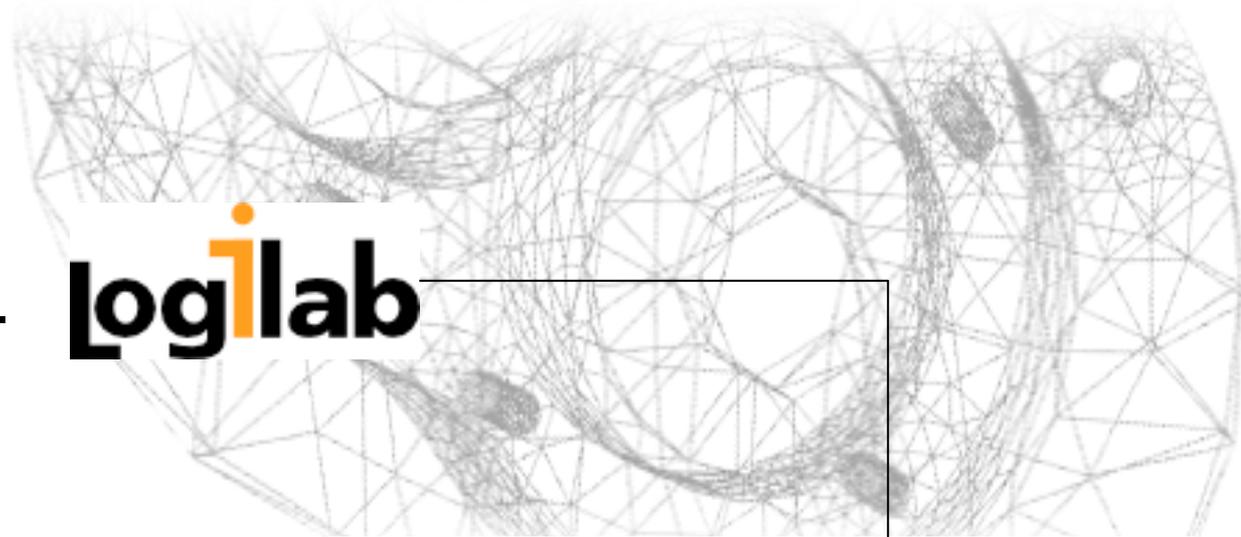
37 <ead> FA

PIAAF on the move



PIAAF - Timeline

- Fall 2016 – Spring 2017
 - ✓ Data preparation
 - ✓ Selection of contractor -
 - ✓ Data delivery
- Early summer 2017
 - ✓ Start of developments for **PIAAF Web application** (user interface)
- Fall 2017
 - PIAAF prototype to go live



ADMINISTRATION SYSTÈME STRATÉGIE POUR L'ENTREPRISE
DEBIAN GNU / LINUX CALCUL NUMÉRIQUE XML ET INFORMATION STRUCTURÉE
INTERFACES GRAPHIQUES PYTHON CUBICWEB DESIGN-PATTERNS XSL
GTK QT C++ PROGRAMMATION OBJET XP OUTILS ET MÉTHODES AGILES
INFORMATIQUE DISTRIBUÉE UML ET UP MERCURIAL GESTION DE SOURCES
UML ET PROCESSUS UNIFIÉ

↓
develops the Archives Portal France



Source data curation, harmonization and enrichment



Curation, harmonization, enrichment



- Each of the partners preserves its own perspective
- However, agreement on applying common encoding rules:
 - **Names** in `<nameEntry>`
 - same rules applied (authorized forms)
 - **Identity**
 - ISNI identifiers added in `<entityId>`
 - **Relations**

Same encoding rules and enrichment policy applied

 - Expressiveness of `@cpfRelationType` enhanced beyond “hierarchical” and “associative” with a variety of `@xlink:arcrole` values :
`isControlledBy`, `isDirectedBy/isDirectorOf`, `hasPart/isPartOf`, `isFunctionallyLinkedTo`, etc.
 - enrichment with “identity” links to descriptions for the same entities in other datasets
 - **Functions** in `<function>`

Same encoding rules and enrichment policy applied

Curation, harmonization, enrichment

- “entity identifiers”

- ISNI, whenever available, added in **<entityId>**

From the **Archives Nationales**
authority record for Jean Favier

From the **BnF archival authority record**
for Jean Favier

```
</identity>
  <entityId>ISNI 0000 0001 2099 1284</entityId>
  <entityType>person</entityType>
  <nameEntry localType="preferredFormForProject"
    scriptCode="Latn" xml:lang="fre">
    <part>Favier, Jean (1932-2014)</part>
  </nameEntry>
</identity>
```

```
<identity>
  <entityId>ISNI 0000 0001 2099 1284</entityId>
  <entityType>person</entityType>
  <nameEntry localType="preferredFormForProject">
    <part>Favier, Jean (1932-2014)</part>
    <authorizedForm>AFNOR_Z44-061</authorizedForm>
  </nameEntry>
</identity>
```

Curation, harmonization, enrichment



- **Refining relations**

- ➔ Expressiveness of `@cpfRelationType` enhanced beyond “hierarchical” and “associative” with a variety of `@xlink:arcrole` values :

`isControlledBy/controls`, `isDirectedBy/isDirectorOf`, `hasPart/isPartOf`, `isFunctionallyLinkedTo`, etc.

Relation of Jean Favier to the Bibliothèque nationale de France **in the AN record**

Relation of Jean Favier to the Bibliothèque nationale de France **in the BnF record**

```
<cpfRelation
xlink:href="FRAN_NP_051355" xlink:type="simple"
cpfRelationType="associative"
xlink:arcrole="http://www.piaaf.net/ontology/piaaf#isDirectorOf">
  <relationEntry>Bibliothèque nationale de France (1994-....)</
relationEntry>
  <dateRange>
    <fromDate standardDate="1994-01-01">1994</fromDate>
    <toDate standardDate="1997-12-31">1997</toDate>
  </dateRange>
</cpfRelation>
```

```
<cpfRelation xlink:href="FRBNF_NP_protoLD_DGEARC_0006"
xlink:type="simple" cpfRelationType="associative"
xlink:arcrole="http://www.piaaf.net/ontology/piaaf#isDirectorOf">
  <relationEntry>Bibliothèque nationale de France</relationEntry>
  <dateRange>
    <fromDate standardDate="1994">1994</fromDate><toDate
standardDate="1997">1997</toDate>
  </dateRange>
  <descriptiveNote><p>Jean Favier est le premier Président de la
Bibliothèque nationale de France de 1994 à 1997.</p>
  </descriptiveNote>
</cpfRelation>
```

Curation, harmonization, enrichment

- **Relations: “identity” links**

```
<cpfRelation cpfRelationType="identity"
xlink:href="http://data.bnf.fr/ark:/12148/cb11996420w"
xlink:type="simple">
<relationEntry>Jean Favier (1932-2014)</relationEntry>
<descriptiveNote><p>Notice data.bnf.fr
[http://data.bnf.fr/ark:/12148/cb11996420w, consultée le 11 juin 2015]</p>
</descriptiveNote>
</cpfRelation>
```

BnF archival authority record

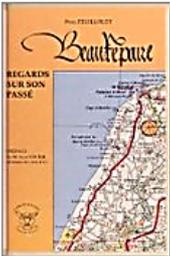
for Jean Favier

Link to the Jean Favier description in the BnF
LOD dataset from the BnF General catalog



(BnF) Bibliothèque nationale de France **data.bnf.fr** rechercher dans data.bnf.fr

Jean Favier (1932-2014)



Pays : France
Langue : français
Sexe : masculin
Naissance : Paris (France), 02-04-1932
Mort : Paris (France), 12-08-2014
Note : Archiviste paléographe (1956). - Historien médiéviste. - Membre de l'Académie des Inscriptions et Belles-lettres (en 1985). - Directeur général des Archives de France (en 1990). - Président de la Bibliothèque nationale de France (1994-1997)
ISNI : ISNI 0000 0001 2099 1284

Curation, harmonization, enrichment

- **Relations: “identity” links**

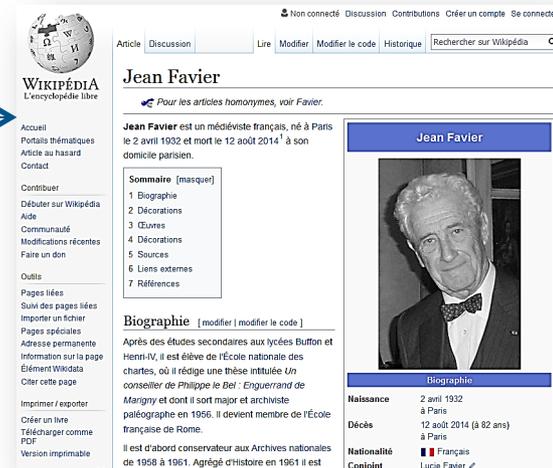
From the EAC-CPF Archives Nationales authority record for Jean Favier

```

<cpfRelation cpfRelationType="identity" xlink:href="https://fr.wikipedia.org/wiki/Jean_Favier"
  xlink:type="simple">
  <relationEntry>Jean Favier</relationEntry>
  <dateRange>
  <fromDate standardDate="1932-04-02">2 avril 1932</fromDate>
  <toDate standardDate="2014-08-12">12 août 2014</toDate>
  </dateRange>
  <descriptiveNote><p>Notice Wikipédia</p></descriptiveNote>
</cpfRelation>

<cpfRelation cpfRelationType="identity"
  xlink:href="http://catalogue.bnf.fr/ark:/12148/cb11996420w"
  xlink:type="simple"> <relationEntry>Favier, Jean (1932-2014)</relationEntry>
  <dateRange>
  <fromDate standardDate="1932-04-02">2 avril 1932</fromDate>
  <toDate standardDate="2014-08-12">12 août 2014</toDate>
  </dateRange>
  <descriptiveNote><p>Notice d'autorité BnF</p></descriptiveNote>
</cpfRelation>
  
```

linked to the Wikipedia article
for Jean Favier



linked to the BnF
authority record
for Jean Favier



Curation of Functions

- Creation (from scratch) of two separate controlled vocabularies for Functions terms, covering:
 - **Functional domains** (areas of action) of archives' creators
 - **Activities** performed by archives' creators
- Using an open source tool for thesauri management
 - Developed by the Ministry of Culture and made available to all cultural institutions
 - ISO 25964 compliant
 - Exportable in SKOS
 - Enables alignments to other vocabularies



Curation of Functions

- Each of the partners indexed its EAC-CPF source instances combining terms from these vocabularies
 - Pattern applied: “functional domain” – “activity”
 - EAC-CPF `<function>` element was slightly modified for the project:
 - `<term>` element was made repeatable
 - attributes were added
 - Use of URIs of concepts from the Function vocabularies as generated by GINCO

Example for indexing corporate bodies with the function :

“preservation of cultural objects”

(in French « objets culturels -- conservation”)

```
<function localType="piaafFunction">  
  <term vocabularySource="http://data.culture.fr/thesaurus/resource/ark:/67717/f14e8183-5885-46d6-8fc9-17ebd8f3c27e" piaaf:rank="1"  
  piaaf:conceptId="http://data.culture.fr/thesaurus/resource/ark:/67717/4002e166-eb11-446c-a777-cb73b6def641">objets culturels</term>  
  <term vocabularySource="http://data.culture.fr/thesaurus/resource/ark:/67717/51232822-adac-4a33-aa14-29e2c701a5ee" piaaf:rank="2"  
  piaaf:conceptId="http://data.culture.fr/thesaurus/resource/ark:/67717/b06a81ff-bbe0-4bf3-b33e-e51d26eb0431">conservation</term>  
</function>
```

URIs of concepts from

GINCO



Functions in more detail

Web page for the concept

objets culturels

Objets culturels

Descripteur

- (fr-FR) objets culturels

Note d'application

- (fr-FR) pour des actions métier

Terme(s) spécifique(s)

- collections d'objets d'art
- fonds et collections d'archives
- monuments historiques
- ressources documentaires

Concept(s) approchant(s) dans d'autres vocabulaires

- <http://data.culture.fr/thesaurus/resource/ark:/67717/11-123>

Données brutes en : [En savoir plus](#) [SPARQL endpoint](#) [Site du producteur](#) [Contact](#)

```
<skos:Concept rdf:about="http://data.culture.fr/thesaurus/resource/ark:/67717/4002e166-eb11-446c-a777-cb73b6def641">
  <skos:closeMatch rdf:resource="http://data.culture.fr/thesaurus/resource/ark:/67717/T1-123"/>
  <skos:narrower rdf:resource="http://data.culture.fr/thesaurus/resource/ark:/67717/9a92be13-8d7a-453a-a01f-f5ca19bd7c0f"/>
  < dct:modified>2016-10-10T10:56:08+02:00</dct:modified>
  <skos:prefLabel xml:lang="fr-FR">objets culturels</skos:prefLabel>
  <skos:narrower rdf:resource="http://data.culture.fr/thesaurus/resource/ark:/67717/2974b981-f469-4ad2-baf0-9ce06888cad1"/>
  <skos:scopeNote xml:lang="fr-FR">pour des actions métier</skos:scopeNote>
  <skos:narrower>
    <skos:Concept rdf:about="http://data.culture.fr/thesaurus/resource/ark:/67717/f46316dd-f211-47c4-8aeb-652911ff7d4d"/>
  </skos:narrower>
  <iso-thes:status>1</iso-thes:status>
  <skos:narrower rdf:resource="http://data.culture.fr/thesaurus/resource/ark:/67717/285fb015-7960-45d7-bfaa-2f09448da2b6"/>
  < dct:created>2016-08-25T09:09:00+02:00</dct:created>
  <skos:inScheme>
    <skos:ConceptScheme rdf:about="http://data.culture.fr/thesaurus/resource/ark:/67717/f14e8183-5885-46d6-8fc9-17ebd8f3c27e"/>
  </skos:inScheme>
  <xl:prefLabel>
    <iso-thes:PreferredTerm rdf:about="http://data.culture.fr/thesaurus/resource/ark:/67717/9d603a12-e564-4e43-acd1-1d50e8b434c9"/>
  </xl:prefLabel>
</skos:Concept>
```

From the EAC-CPF instance

```
<function localType="piaafFunction">
  <term vocabularySource="http://data.culture.fr/thesaurus/resource/ark:/67717/f14e8183-5885-46d6-8fc9-17ebd8f3c27e" piaaf:rank="1"
    piaaf:conceptId="http://data.culture.fr/thesaurus/resource/ark:/67717/4002e166-eb11-446c-a777-cb73b6def641">objets culturels</term>
  <term vocabularySource="http://data.culture.fr/thesaurus/resource/ark:/67717/51232822-adac-4a33-aa14-29e2c701a5ee" piaaf:rank="2"
    piaaf:conceptId="http://data.culture.fr/thesaurus/resource/ark:/67717/b06a81ff-bbe0-4bf3-b33e-e51d26eb0431">conservation</term>
</function>
```

concept in SKOS



concept in SKOS

```
<skos:Concept rdf:about="http://data.culture.fr/thesaurus/resource/ark:/67717/b06a81ff-bbe0-4bf3-b33e-e51d26eb0431">
  <skos:narrowMatch
    rdf:resource="http://www.thesaurus.gouv.qc.ca/tag/terme.do?id=3148"/>
  <xl:prefLabel>
    <iso-thes:PreferredTerm
      rdf:about="http://data.culture.fr/thesaurus/resource/ark:/67717/9edeb27a-da4e-4b9e-95a8-f3b3c4b8db2b"/>
  </xl:prefLabel>
  <skos:prefLabel xml:lang="fr-FR">conservation</skos:prefLabel>
  <iso-thes:status>1</iso-thes:status>
  < dct:modified>2016-09-29T14:28:47+02:00</dct:modified>
  < dct:created>2016-08-29T15:17:27+02:00</dct:created>
  <skos:inScheme>
    <skos:ConceptScheme
      rdf:about="http://data.culture.fr/thesaurus/resource/ark:/67717/51232822-adac-4a33-aa14-29e2c701a5ee"/>
  </skos:inScheme>
</skos:Concept>
```

conservation

CONSERVATION

Descripteur

- (fr-FR) conservation

Statut

- Validé

Date de création

29 août 2016

Date de dernière

29 septembre 2016

Données brutes en : [En savoir plus](#) [SPARQL endpoint](#) [Site du producteur](#) [Contact](#)

Web page for the concept



Data processing

RiC-Ontology (in its current state of development)

Transformation into RDF

Delivery of files to the contractor



Preamble

One of the objectives of PIAAF

- Test the feasibility of expressing archival data by applying the concepts of Records in Contexts as formalized by RiC Ontology
- RIC-O is under development by EGAD
 - Team leader Florence Clavaud from the Archives nationales France
- RiC-O development – currently sufficiently advanced, especially for classes and properties PIAAF focuses on
- In agreement with EGAD, PIAAF would apply RiC-O and serve as testbed for RiC-O solutions

Note however that RiC-O will continue to evolve. Even the names of classes and properties that PIAAF uses are likely to change.

Definition of classes for PIAAF

(for the described “objects”)

- Main RiC-O classes used
(note that these represent only part of RiC-O classes)

RiC:CorporateBody

RiC:Person

RiC:FunctionAbstract

RiC:Position ----- to express the position occupied by a Person within a Corporate Body

RiC:Mandate

RiC:Event

RiC:AgentName ----- note the distinction between an Agent and its Name

RiC:Record

RiC:RecordSet

RiC:FindingAid -----for links to the extant Finding Aids in their original environment
(a FA is viewed as a document in itself (PDF file,)

RiC:Description

RiC:Place

RiC:Relation (and its subclasses) --- note that Relation is a class in itself.
This enables qualification of a relationship with properties such as nature of the relationship, date of the relationship, certainty, etc.

RiC:GroupType ----- to describe in detail the category or the type of groups or corporate bodies. Enables full historical and contextual definitions of such types. E.g. define and describe what are “Departemental Archives” in France, the establishment by law/decreed of such type of institutions, the mandates they are given, their jurisdictional scope of activity, etc.

RDF transformation of source files

Processing

- A suite of XSLT scripts was written to generate XML/RDF files from the source data
- They are run in a given order
 - as indicated by the number in the name of each script

[1-processFunctions.xsl](#)

[2-processLegalStatuses.xsl](#)

[3-processMandates.xsl](#)

[4-processEvents.xsl](#)

[5-processAgentNames.xsl](#)

[6-processPlaces.xsl](#)

[7-processPositions.xsl](#)

[8a-processRelations-between-group-types.xsl](#)

[8b-processRelations-between-agents.xsl](#)

[8c-processProvenanceRelations.xsl](#)

[8d-processNotDescribedRecordsAndRecordSets-fromEACfiles.xsl](#)

[9-processSIAFGroupTypes.xsl](#)

[10-processAgents.xsl](#)

[11-processNotDescribedAgents.xsl](#)

[12-processRecordSetsAndRecords.xsl](#)

[13-processProxies.xsl](#)

RDF transformation of source files

Output

- XML/RDF files are generated for each and every individual “object”
- Each of the folders contains all the RDF files for the individuals of one class
- Licence:
 - For now all files are in a private repository
 - By the end of the project the source code will be made available under GPL licence

-  **agent-names**
-  **agents**
-  **events**
-  **group-types**
-  **mandates**
-  **places**
-  **positions**
-  **proxies**
-  **record-sets**
-  **records**
-  **relations**
-  **vocabularies**
-  **functions.rdf**
-  **legal-statuses.rdf**

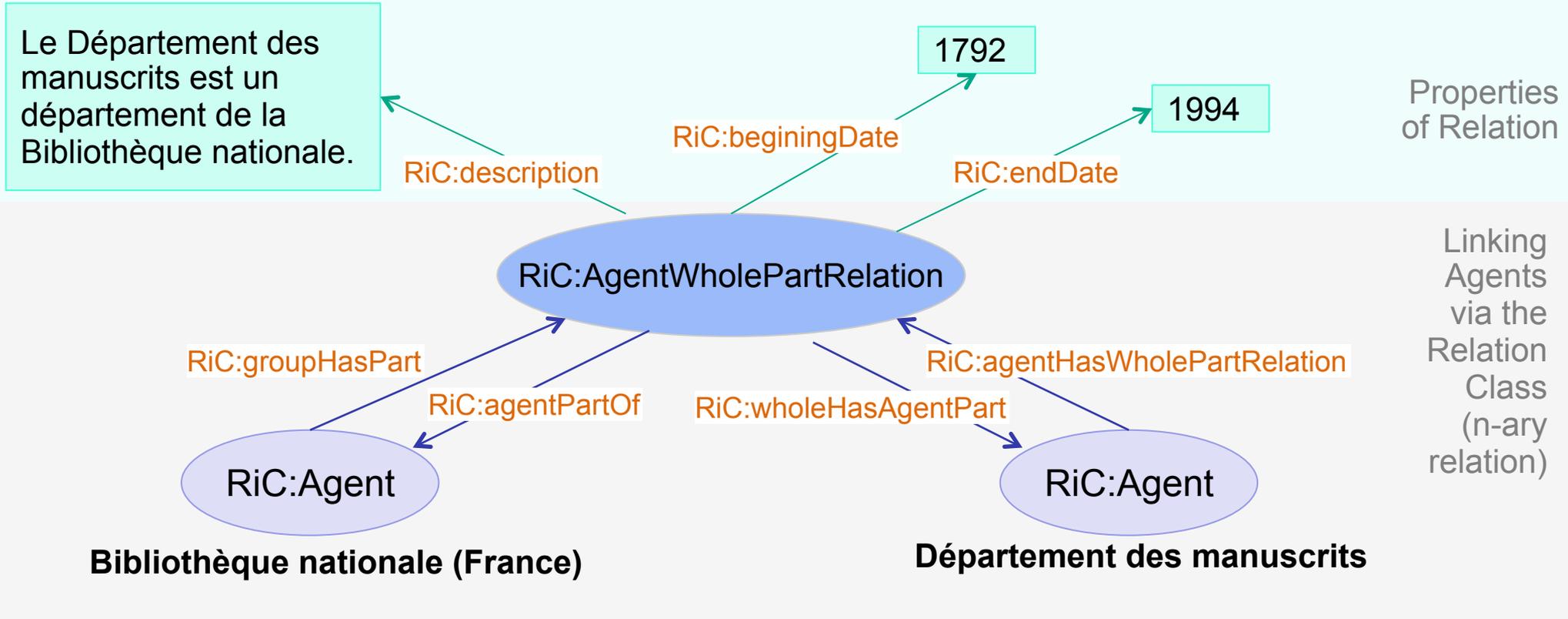


Properties

- Reminder of the objectives defined
 - Qualitative requirements | Expressiveness (high granularity) | Accurate relations between the datasets | Usefulness of interconnection | Graph navigation | Possibility of inference...
- Hence, precise properties
 - To describe characteristics of each “object”
 - To accurately express relationships between them
 - To accurately interconnect “objects” to one another
- RiC-O properties are used (at the current state of development)

Expressiveness of relations with RiC-O

Example of a dated and described whole/part relation (n-ary relation)



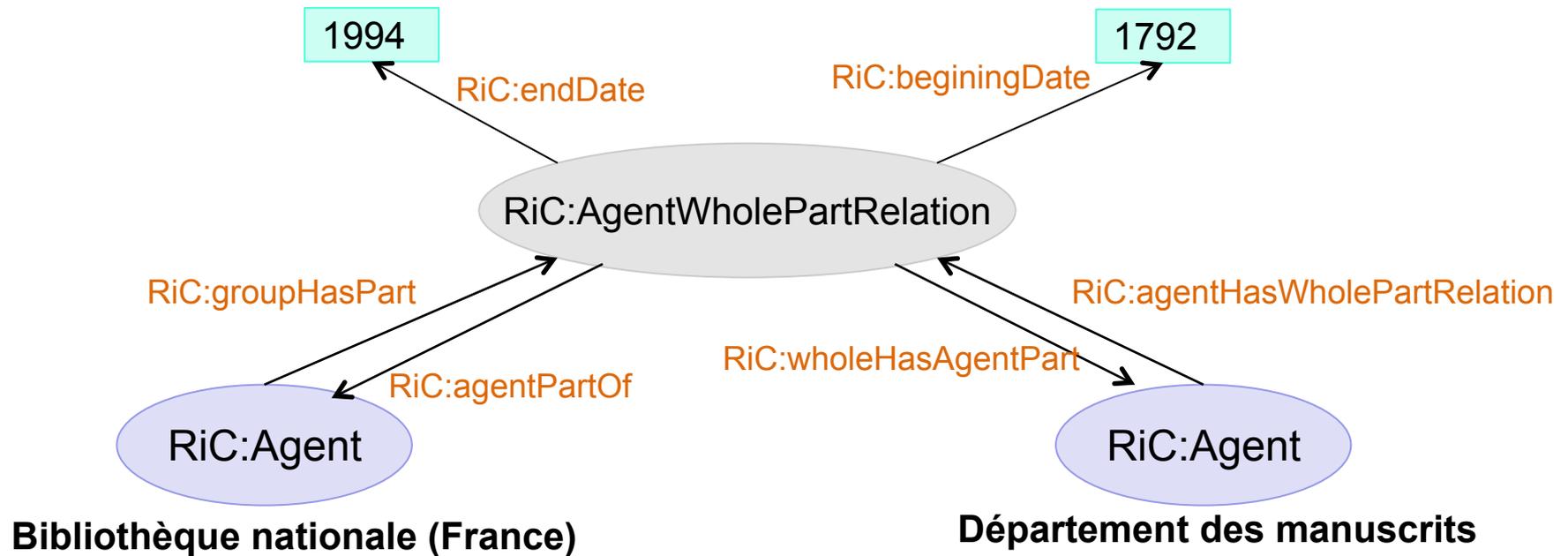
RDF code for this relation



```
<rdf:Description rdf:about="http://www.piaaf.net/relations/FRBNF_agent_relation_0094-d20e557">
  <rdf:type rdf:resource="http://www.ica.org/standards/RiC/ontology#AgentWholePartRelation"/>
  <rdfs:label xml:lang="fr">Relation du tout à une partie entre les agents "Bibliothèque nationale de France. Département des manuscrits" et "Bibliothèque nationale (France)"</rdfs:label>
  <RiC:description xml:lang="fr">Le Département des manuscrits est un département de la Bibliothèque nationale.</RiC:description>
  <RiC:beginingDate rdf:datatype="http://www.w3.org/2001/XMLSchema#gYear">1792</RiC:beginingDate>
  <RiC:endDate rdf:datatype="http://www.w3.org/2001/XMLSchema#gYear">1994</RiC:endDate>
  <RiC:wholeHasAgentPart rdf:resource="http://www.piaaf.net/agents/FRBNF_corporate-body_0094"/>
  <RiC:agentPartOf rdf:resource="http://www.piaaf.net/agents/FRBNF_corporate-body_0003"/>
</rdf:Description>
```

Expressiveness of relations with RiC-O

Example of a dated whole/part relation (n-ary relation)



```
<rdf:Description rdf:about="http://www.piaaf.net/rerelations/FRBNF_agent_relation_0094-d20e557">
  <rdf:type rdf:resource="http://www.ica.org/standards/RiC/ontology#AgentWholePartRelation"/>
  <rdfs:label xml:lang="fr">Relation du tout à une partie entre les agents "Bibliothèque nationale de France. Département des manuscrits" et "Bibliothèque nationale (France)"</rdfs:label>
  <RiC:description xml:lang="fr">Le Département des manuscrits est un département de la Bibliothèque nationale.</RiC:description>
  <RiC:beginningDate rdf:datatype="http://www.w3.org/2001/XMLSchema#gYear">1792</RiC:beginningDate>
  <RiC:endDate rdf:datatype="http://www.w3.org/2001/XMLSchema#gYear">1994</RiC:endDate>
  <RiC:wholeHasAgentPart rdf:resource="http://www.piaaf.net/agents/FRBNF_corporate-body_0094"/>
  <RiC:agentPartOf rdf:resource="http://www.piaaf.net/agents/FRBNF_corporate-body_0003"/>
</rdf:Description>
</rdf:RDF>
```

RDF code

Source files transformed into RDF



example of Agent Jean Favier

```
?xml version="1.0" encoding="utf-8"?>
<rdf:RDF xmlns:owl="http://www.w3.org/2002/07/owl#"
  xmlns:RiC="http://www.ica.org/standards/RiC/ontology#"
  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
  xmlns:piaaf-onto="http://www.piaaf.net/ontology#"
  xmlns:skos="http://www.w3.org/2004/02/skos/core#" xmlns:isni="http://isni.org/ontology#"
  xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:piaaf="http://www.piaaf.net"
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#">
  <rdf:Description rdf:about="http://www.piaaf.net/agents/FRBNF_person_0289">
    <rdf:type rdf:resource="http://www.ica.org/standards/RiC/ontology#Person"/>
    <rdfs:label xml:lang="fr">Favier, Jean (1932-2014)</rdfs:label>
    <RiC:hasDenominationRelation
      rdf:resource="http://www.piaaf.net/rerelations/FRBNF_DenominationRelation_0289_d
    <RiC:birthDate rdf:datatype="http://www.w3.org/2001/XMLSchema#gYear">1932</R
    <RiC:deathDate rdf:datatype="http://www.w3.org/2001/XMLSchema#gYear">2014</F
    <RiC:history xml:lang="fr">Jean Favier est un haut fonctionnaire et historien français n
    2 avril 1932. Il étudie à l'École nationale des chartes, et obtient le diplôme
    d'archiviste paléographe en 1956. Il est membre de l'École française de Rome de 195
    1961. Il est reçu à l'agrégation d'histoire en 1961. Il est docteur ès lettres en 1967.
```



```
    <RiC:evidencedBy xml:lang="fr">Page du Monde du 16/08/2014, « L'historien médiéviste Jean
    Favier est mort » : http://www.lemonde.fr/disparitions/article/2014/08/16/mort-de-l-historien-
    medieviste-jean-favier_4472484_3382.html[consultée le 18 juillet 2016]</RiC:evidencedBy>
    <RiC:conformsToRule rdf:resource="http://www.piaaf.net/mandates/FRBNF_mandate_0272-
    d53e28"/>
    <RiC:conformsToRule rdf:resource="http://www.piaaf.net/mandates/FRBNF_mandate_0003-d2e37"/>
    <rdfs:seeAlso rdf:resource="http://isni.org/isni/0000000120991284"/>
    <rdfs:seeAlso rdf:resource="http://data.bnf.fr/ark:/12148/cb11996420w"/>
  </rdf:Description>
</rdf:RDF>
```

```
    <RiC:conformsToRule rdf:resource="http://www.piaaf.net/mandates/FRBNF_mandate_0289-
    d56e246"/>
    <owl:sameAs rdf:resource="http://data.bnf.fr/ark:/12148/cb11996420w#foaf:Person"/>
    <isni:identifierValid>0000000120991284</isni:identifierValid>
    <RiC:headOf rdf:resource="http://www.piaaf.net/rerelations/FRBNF_agent_relation_0289-d56e287"/>
    <RiC:agentPrecedes
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    d56e308"></RiC:agentPrecedes>
    <RiC:hasProvenanceRelation
      rdf:resource="http://www.piaaf.net/rerelations/FRBNF_ProvenanceRelation_0289-d56e328"/>
    <RiC:describedBy rdf:resource="http://www.piaaf.net/descriptions/FRBNF_description_0289"/>
  </rdf:Description>
  <rdf:Description
    rdf:about="http://www.piaaf.net/rerelations/FRBNF_DenominationRelation_0289_d60e118">
    <rdf:type rdf:resource="http://www.ica.org/standards/RiC/ontology#DenominationRelation"/>
    <RiC:certainty xml:lang="fr">certain</RiC:certainty>
    <RiC:denominationOf rdf:resource="http://www.piaaf.net/agents/FRBNF_person_0289"/>
    <RiC:denominatedBy
      rdf:resource="http://www.piaaf.net/agent-names/FRBNF_agent-name_0289-d56e211"/>
  </rdf:Description>
  <rdf:Description rdf:about="http://www.piaaf.net/descriptions/FRBNF_description_0289">
    <rdf:type rdf:resource="http://www.ica.org/standards/RiC/ontology#Description"/>
    <RiC:describes rdf:resource="http://www.piaaf.net/agents/FRBNF_person_0289"/>
    <RiC:lastUpdated rdf:datatype="http://www.w3.org/2001/XMLSchema#gYearMonth"
      >2017-03</RiC:lastUpdated>
    <RiC:identifier>FRBNF_NP_protoLD_DGEARC_0289</RiC:identifier>
    <RiC:authoredBy rdf:resource="http://www.piaaf.net/agents/FRBNF_corporate-body_0036"/>
    <RiC:evidencedBy xml:lang="fr">Page Wikipédia, « Jean Favier » :
    http://fr.wikipedia.org/wiki/Jean_Favier [consultée le 11 juin 2015]</RiC:evidencedBy>
```



Findings so far

- The experience with data processing by implementing RiC-O in its current state of development is extremely encouraging
- It shows that RiC-O works to express the complexity of archival description!
- To learn more (on modeling issues, data analysis and processing, implementation of RiC-O in PIAAF...)

- attend the conference:
Florence Clavaud gives
a detailed presentation
on August 9



Instructions for the development of the web application prototype

- **Definition of navigation “nodes”**
 - **Persons**
Directors of institution, Architects
 - **Organizations**
BnF and its subdivisions, Archival services under the control of SIAF, National Archives and all entities-creators of archives held by the NA
 - **Types of organizations**
The abstract categorization of organizations such as “Departmental archives” (instantiated then in the individual archival services that belong to this category)
 - **Positions**
President, Director,
 - **Legal statuses**
 - **Functions**
 - **Records and Records Sets**
Related to the Agents

Relations between these resources: enable different perspectives on datasets

- **Timeline (using temporal information in the source data)**
- **Alignments between partners and other external datasets**

PIAAF Web application



- Currently under development
(not yet ready to be shown)
- As mentioned in **Timeline**
will be open to public early fall 2017
- We will communicate and invite professionals to consult
and comment

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Thank you!

Anila Angjeli - Bibliothèque nationale de France
Florence Clavaud - Archives nationales, France