

OAI-PMH harvesting metadata and virtual datastream



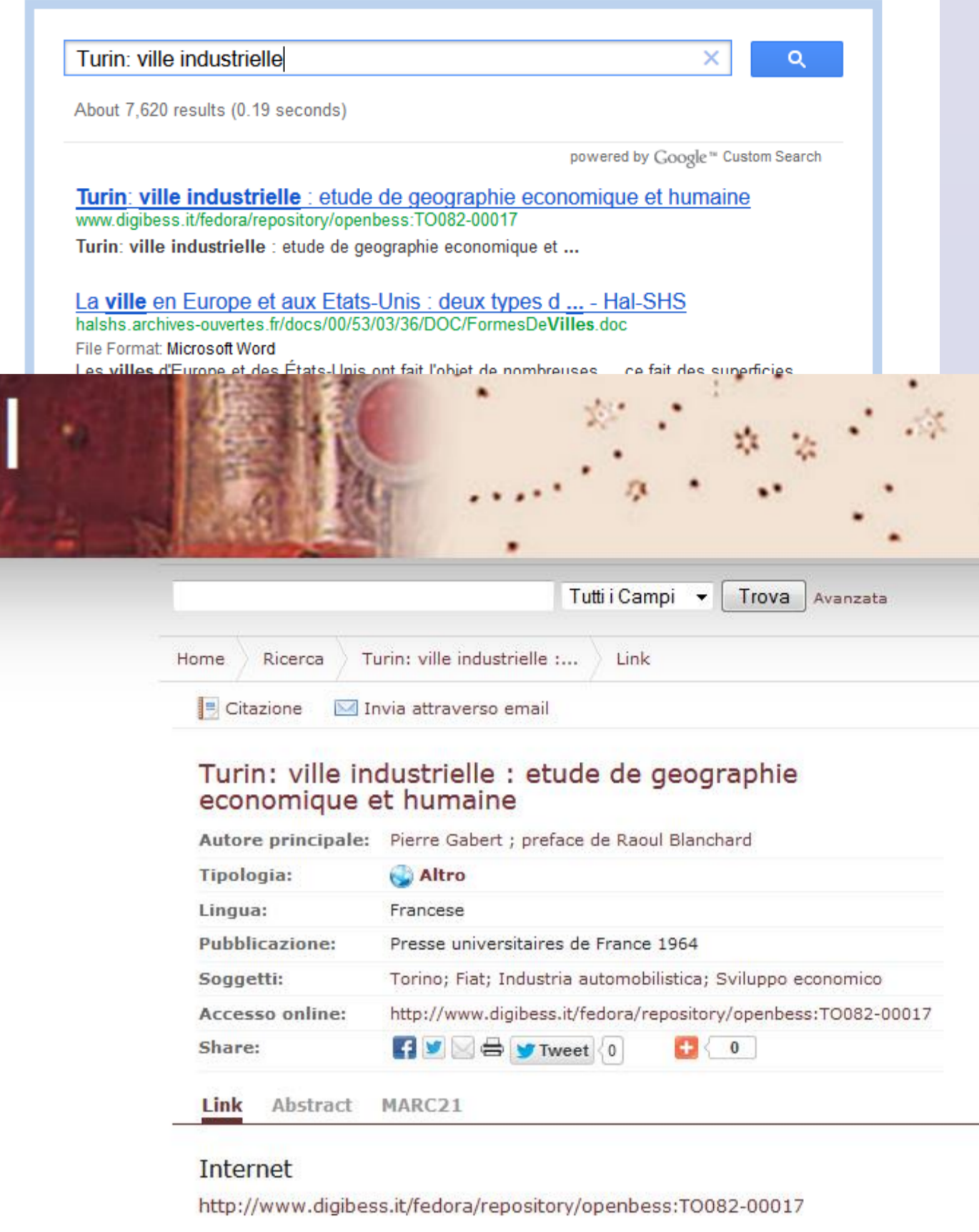
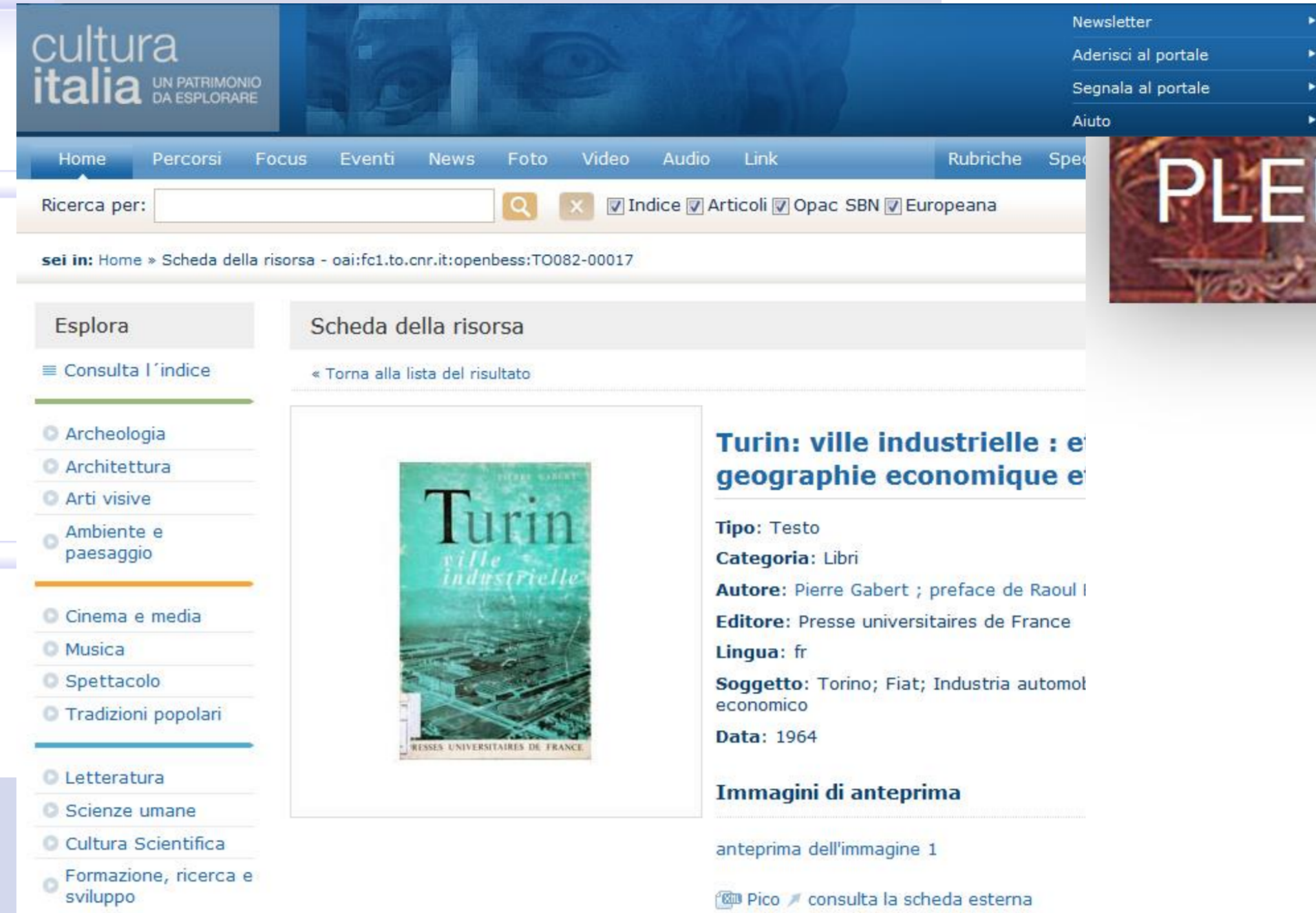
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OAI-PMH



Repository exposes OAI-PMH interface for external metadata harvesting. Metadata can be disseminated in two formats: OAI_DC and PICO. OAI_DC are extracted from object datastream DC. PICO are generated on-the-fly by an object service.

BOOK Item

Datastream ID	Datastream Label
DC	Dublin Core Record for this object
RELS-EXT	RDU: Statements about this object
TN	Thumbnail
INDEX	Index
PDF	Reference PDF

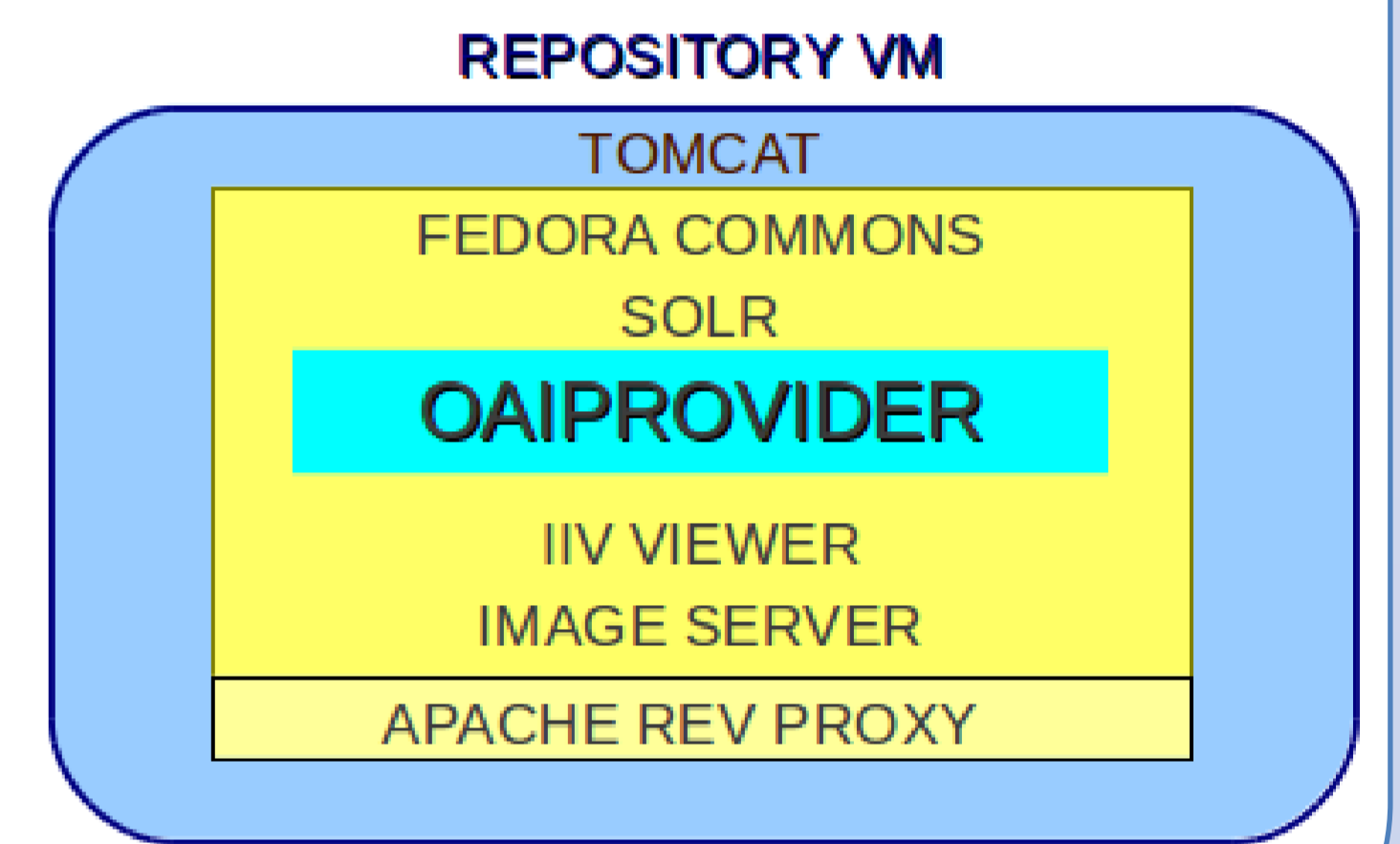
Service Definition	Method Name
openbess:dc2picoSdef	dc2pico
islandora:viewerSdef	getViewer

Metadata Formats: OAI_DC and PICO

```
#proai.properties
...
driver.fedora.md.formats = oai_dc pico
...
driver.fedora.md.format.oai_dc.dissType =
info:fedora*/DC

driver.fedora.md.format.pico.dissType =
info:fedora*/openbess:dc2picoSdef/dc2pico
```

OAI-PMH Data Provider



An object method is made up of two objects: Service Definition and Service Deployment. Model and Service objects are connected by semantic relationships. Service Definition describes the method. Service Deployment describes how the method is executed: input and output parameters, web service location and static xslt datastream.

SERVICE DEFINITION

openbess:dc2picoSdef

DC

RELS-EXT

hasModel → fedora-system:ServiceDefinition-3.0

METHOD MAP

Method operationName="dc2pico"

BOOK MODEL

islandora:bookCModel

DC

RELS-EXT

hasService → openbess:dc2picoSdef

TN

INDEX

PDF

getViewer

dc2pico

REFERENCE

web site: <http://www.digibess.it>

web development: <http://dev.digibess.it>

SERVICE DEPLOYMENT

openbess:dc2picoSdep-bookCModel

DC

RELS-EXT

hasModel → fedora-system:ServiceDeployment-3.0

isDeploymentOf → openbess:dc2picoSdef

isContractorOf → islandora:bookCModel

DSINPUTSPEC

DSInputLabel → DC

DSInputLabel → XSL (pid="openbess:dc2picoSdep-bookCModel")

WSDL

address location="http://fc1.to.cnr.it:8080/saxon/"

binding verb="GET"

operation location="SaxonServlet?source=(DC)&style=(XSL)&clear-stylesheet-cache=yes"

METHODMAP

DatastreamInputParm parmName="DC"

DatastreamInputParm parmName="XSL"

MethodReturnType wsdlMsgName="response" wsdlMsgTOMIME="text/xml"

XSL

XSLT for DC to PICO transformation