

Tavola rotonda
 “La Digital Preservation in Italia: esperienze a confronto”

**Implementazione del PREMIS 2.0:
 dallo studio alla realizzazione**

Dott.ssa Angela Di Iorio

Biblioteca Nazionale Centrale, Firenze, 27 Maggio 2008



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PREMIS 1.0 e 2.0 — Data model — Dizionario dei dati

PREMIS 1.0
Maggio 2005

PREMIS 2.0
Aprile 2008

<pre> 1.1 objectIdentifier (M, R) 1.1.1 objectIdentifierType (M, NR) 1.1.2 objectIdentifierValue (M, NR) 1.2 objectCategory (M, NR) 1.3 preservationLevel (O, R) [representation, file] 1.3.1 preservationLevelValue (M, NR) [representation, file] 1.3.2 preservationLevelRole (O, NR) [representation, file] 1.3.3 preservationLevelRationale (O, R) [representation, file] 1.3.4 preservationLevelDateAssigned (O, NR) [representation, file] 1.4 significantProperties (O, R) 1.4.1 significantPropertiesType (O, NR) 1.4.2 significantPropertiesValue (O, NR) 1.4.3 significantPropertiesExtension (O, R) </pre> <ul style="list-style-type: none"> • creatingApplication <ul style="list-style-type: none"> • creatingApplicationName • creatingApplicationVersion • dateCreatedBy.Application 	<pre> 1.5 objectCharacteristics (M, R) [file, bitstream] 1.5.1 compositionLevel (M, NR) [file, bitstream] 1.5.2 fixity (O, R) [file, bitstream] 1.5.2.1 messageDigestAlgorithm (M, NR) [file, bitstream] 1.5.2.2 messageDigest (M, NR) [file, bitstream] 1.5.2.3 messageDigestOriginator (O, NR) [file, bitstream] 1.5.3 size (O, NR) [file, bitstream] 1.5.4 format (M, R) [file, bitstream] 1.5.4.1 formatDesignation (O, NR) [file, bitstream] 1.5.4.1.1 formatName (M, NR) [file, bitstream] 1.5.4.1.2 formatVersion (O, NR) [file, bitstream] 1.5.4.2 formatRegistry (O, NR) [file, bitstream] 1.5.4.2.1 formatRegistryName (M, NR) [file, bitstream] 1.5.4.2.2 formatRegistryKey (M, NR) [file, bitstream] 1.5.4.2.3 formatRegistryRole (O, NR) [file, bitstream] 1.5.4.3 formatNote (O, R) [file, bitstream] 1.5.5 creatingApplication (O, R) [file, bitstream] 1.5.5.1 creatingApplicationName (O, NR) [file, bitstream] 1.5.5.2 creatingApplicationVersion (O, NR) [file, bitstream] 1.5.5.3 dateCreatedBy.Application (O, NR) [file, bitstream] 1.5.5.4 creatingApplicationExtension (O, R) [file, bitstream] 1.5.6 inhibitors (O, R) [file, bitstream] 1.5.6.1 inhibitorType (M, NR) [file, bitstream] 1.5.6.2 inhibitorTarget (O, R) [file, bitstream] 1.5.6.3 inhibitorKey (O, NR) [file, bitstream] 1.5.7 objectCharacteristicsExtension (O, R) [file, bitstream] </pre>
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PREMIS 1.0 e 2.0 — Oggetti — Unità semantiche

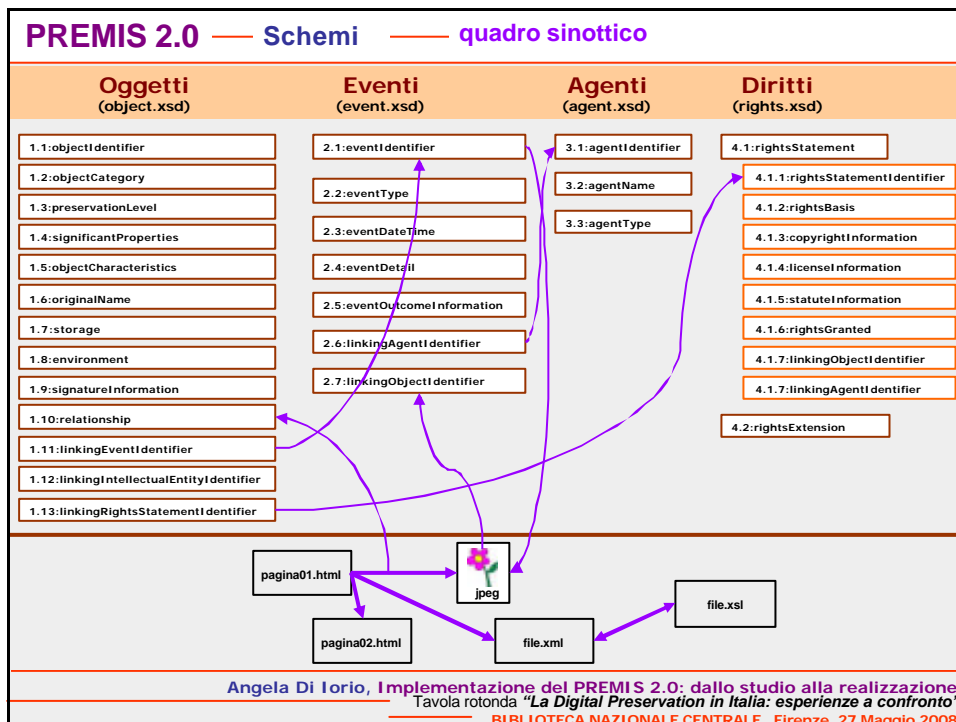
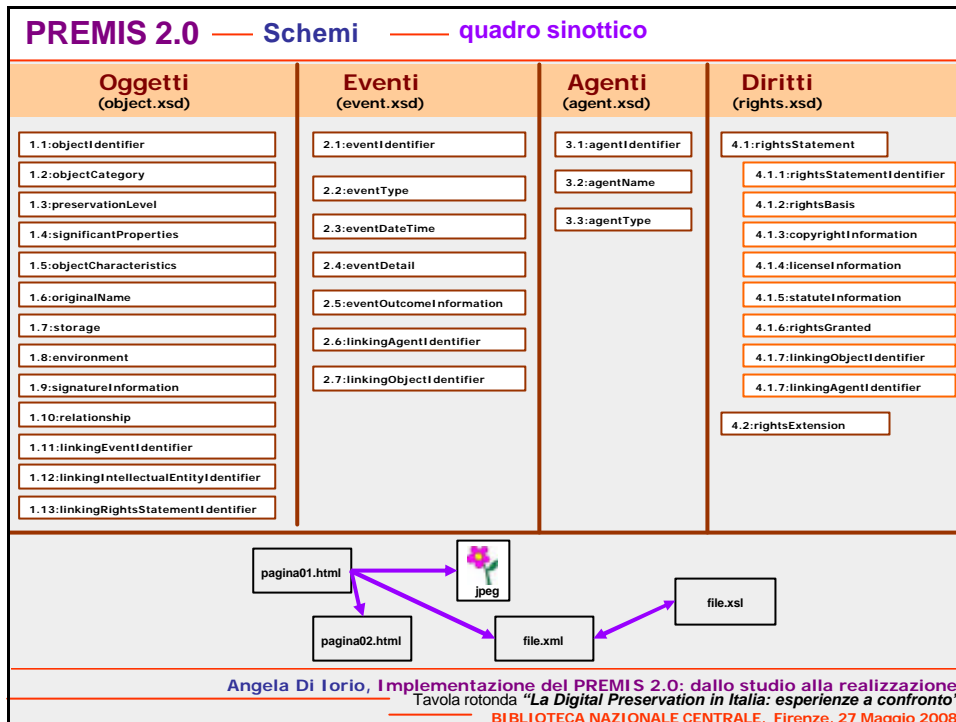
<p>1.6 originalName (O, NR) [representation, file]</p> <p>1.7 storage (M, R) [file, bitstream]</p> <p>1.7.1 contentLocation (O, NR) [file, bitstream]</p> <p>1.7.1.1 contentLocationType (M, NR) [file, bitstream]</p> <p>1.7.1.2 contentLocationValue (M, NR) [file, bitstream]</p> <p>1.7.2 storageMedium (O, NR) [file, bitstream]</p> <p>1.8 environment (O, R)</p> <p>1.8.1 environmentCharacteristic (O, NR)</p> <p>1.8.2 environmentPurpose (O, R)</p> <p>1.8.3 environmentNote (O, R)</p> <p>1.8.4 dependency (O, R)</p> <p>1.8.4.1 dependencyName (O, R)</p> <p>1.8.4.2 dependencyIdentifier (O, R)</p> <p>1.8.4.2.1 dependencyIdentifierType (M, NR)</p> <p>1.8.4.2.2 dependencyIdentifierValue (M, NR)</p> <p>1.8.5 software (O, R)</p> <p>1.8.5.1 swName (M, NR)</p> <p>1.8.5.2 swVersion (O, NR)</p> <p>1.8.5.3 swType (M, NR)</p> <p>1.8.5.4 swObjectInformation (O, R)</p> <p>1.8.5.5 swDependency (O, R)</p> <p>1.8.6 hardware (O, R)</p> <p>1.8.6.1 hwName (M, NR)</p> <p>1.8.6.2 hwType (M, NR)</p> <p>1.8.6.3 hwOtherInformation (O, R)</p> <p>1.8.7 environmentExtension (O, R)</p>	<p>1.9 signatureInformation (O, R) [file, bitstream]</p> <p>1.9.1 signature (O, R)</p> <p>1.9.1.1 signatureEncoding (M, NR) [file, bitstream]</p> <p>1.9.1.2 signer (O, NR) [file, bitstream]</p> <p>1.9.1.3 signatureMethod (M, NR) [file, bitstream]</p> <p>1.9.1.4 signatureValue (M, NR) [file, bitstream]</p> <p>1.9.1.5 signatureValidationRules (M, NR) [file, bitstream]</p> <p>1.9.1.6 signatureProperties (O, R) [file, bitstream]</p> <p>1.9.1.7 keyInformation (O, NR) [file, bitstream]</p> <p>1.9.2 signatureInformationExtension (O, R) [file, bitstream]</p> <p>1.10 relationship (O, R)</p> <p>1.10.1 relationshipType (M, NR)</p> <p>1.10.2 relationshipSubType (M, NR)</p> <p>1.10.3 relatedObjectIdentification (M, R)</p> <p>1.10.3.1 relatedObjectIdentifierType (M, NR)</p> <p>1.10.3.2 relatedObjectIdentifierValue (M, NR)</p> <p>1.10.3.3 relatedObjectSequence (O, NR)</p> <p>1.10.4 relatedEventIdentification (O, R)</p> <p>1.10.4.1 relatedEventIdentifierType (M, NR)</p> <p>1.10.4.2 relatedEventIdentifierValue (M, NR)</p> <p>1.10.4.3 relatedEventSequence (O, NR)</p> <p>1.11 linkingEventIdentifier (O, R)</p> <p>1.11.1 linkingEventIdentifierType (M, NR)</p> <p>1.11.2 linkingEventIdentifierValue (M, NR)</p> <p>1.12 linkingIntellectualEntityIdentifier (O, R)</p> <p>1.12.1 linkingIntellectualEntityIdentifierType (M, NR)</p> <p>1.12.2 linkingIntellectualEntityIdentifierValue (M, NR)</p> <p>1.13 linkingRightsStatementIdentifier (O, R)</p> <p>1.13.1 linkingRightsStatementIdentifierType (M, NR)</p> <p>1.13.2 linkingRightsStatementIdentifierValue (M, NR)</p>	<ul style="list-style-type: none"> signatureInformation signatureInformationEncoding signer signatureMethod signatureValue signatureValidationRules signatureProperties keyInformation <ul style="list-style-type: none"> keyType keyValue keyVerificationInformation
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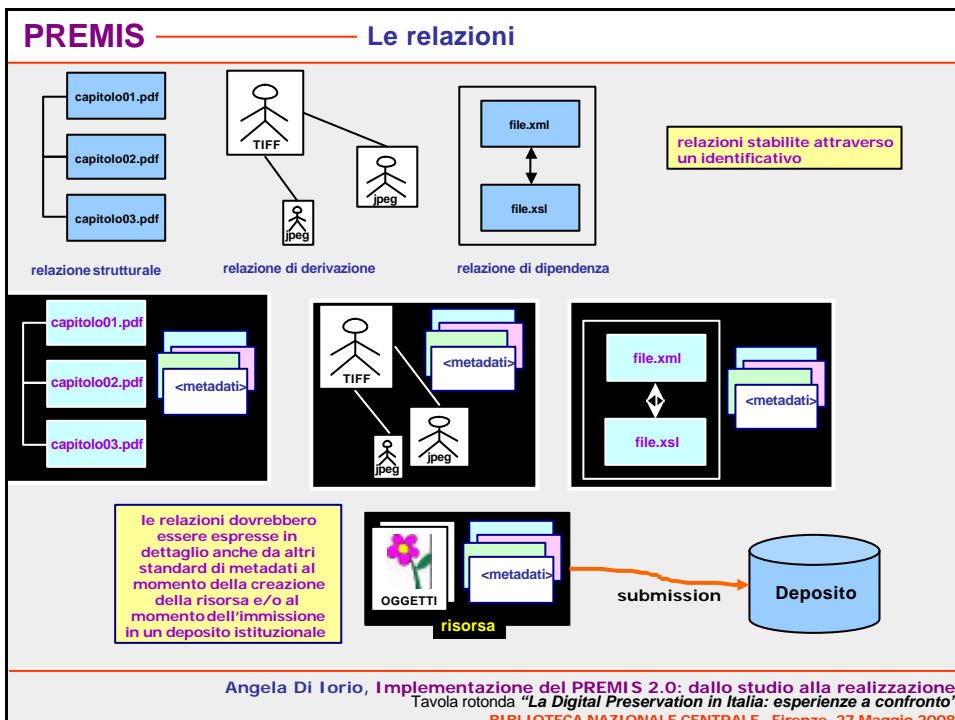
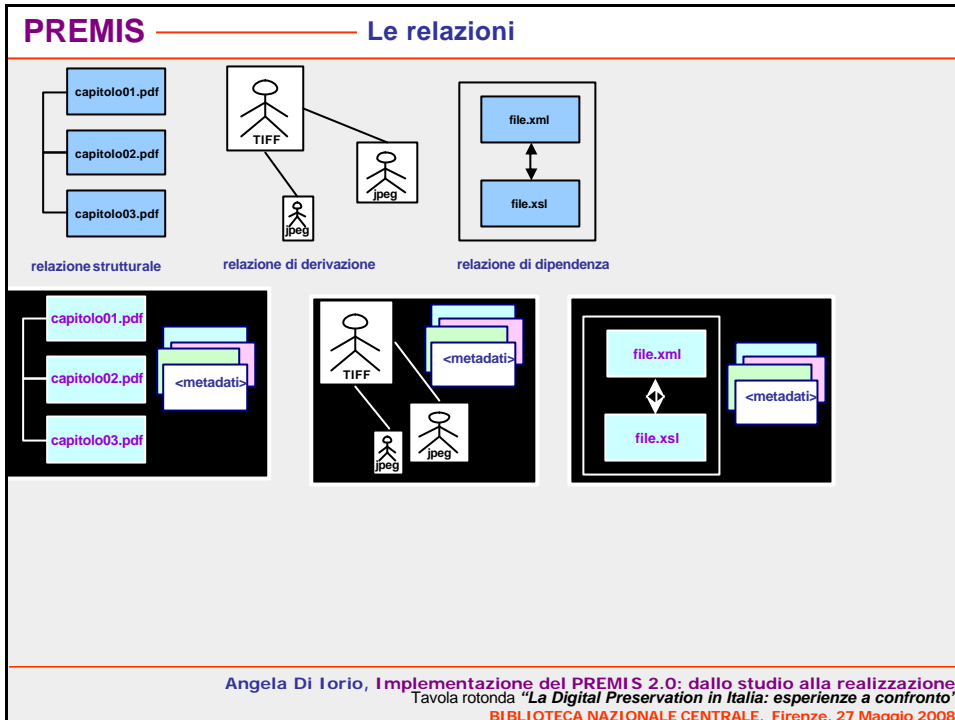
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PREMIS 1.0 e 2.0 – Eventi, Agenti, Diritti — Unità semantiche

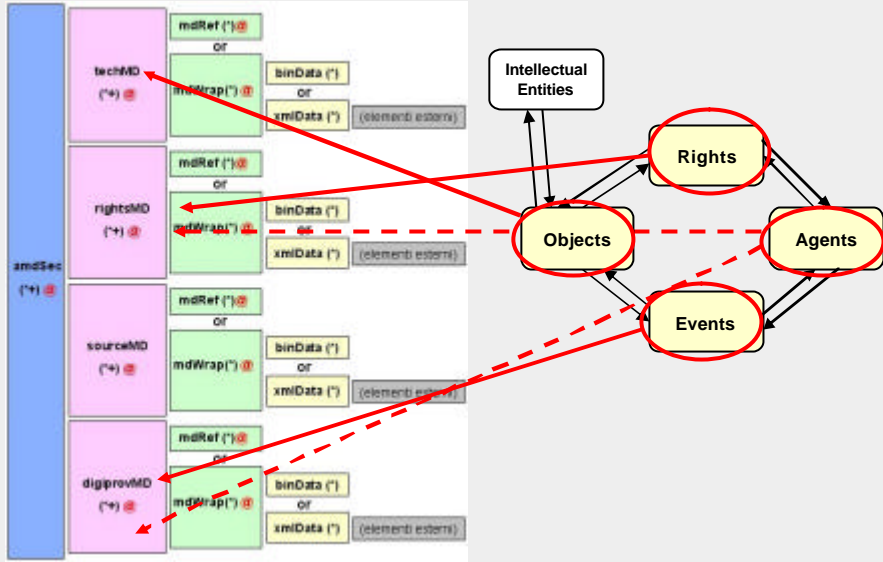
<p>2.1 eventIdentifier (M, NR)</p> <p>2.1.1 eventIdentifierType (M, NR)</p> <p>2.1.2 eventIdentifierValue (M, NR)</p> <p>2.2 eventType (M, NR)</p> <p>2.3 eventDateTime (M, NR)</p> <p>2.4 eventDetail (O, NR)</p> <p>2.5 eventOutcomeInformation (O, R)</p> <p>2.5.1 eventOutcome (O, NR)</p> <p>2.5.2 eventOutcomeDetail (O, R)</p> <p>2.5.2.1 eventOutcomeDetailNote (O, NR)</p> <p>2.5.2.2 eventOutcomeDetailExtension (O, R)</p> <p>2.6 linkingAgentIdentifier (O, R)</p> <p>2.6.1 linkingAgentIdentifierType (M, NR)</p> <p>2.6.2 linkingAgentIdentifierValue (M, NR)</p> <p>2.6.3 linkingAgentRole (O, R)</p> <p>2.7 linkingObjectIdentifier (O, R)</p> <p>2.7.1 linkingObjectIdentifierType (M, NR)</p> <p>2.7.2 linkingObjectIdentifierValue (M, NR)</p> <p>2.7.3 linkingObjectRole (O, R)</p> <p>3.1 agentIdentifier (R, M)</p> <p>3.1.1 agentIdentifierType (M, NR)</p> <p>3.1.2 agentIdentifierValue (M, NR)</p> <p>3.2 agentName (O, R)</p> <p>3.3 agentType (O, NR)</p>	<p>4.1 rightsStatement (O, R)</p> <p>4.1.1 rightsStatementIdentifier (M, NR)</p> <p>4.1.1.1 rightsStatementIdentifierType (M, NR)</p> <p>4.1.1.2 rightsStatementIdentifierValue (M, NR)</p> <p>4.1.2 rightsBasis (M, NR)</p> <p>4.1.3 copyrightInformation (O, NR)</p> <p>4.1.3.1 copyrightStatus (M, NR)</p> <p>4.1.3.2 copyrightJurisdiction (M, NR)</p> <p>4.1.3.3 copyrightStatusDeterminationDate (O, NR)</p> <p>4.1.3.4 copyrightNote (O, R)</p> <p>4.1.4 licenseInformation (O, NR)</p> <p>4.1.4.1 licenseIdentifier (O, NR)</p> <p>4.1.4.1.1 licenseIdentifierType (M, NR)</p> <p>4.1.4.1.2 licenseIdentifierValue (M, NR)</p> <p>4.1.4.2 licenseTerms (O, NR)</p> <p>4.1.4.3 licenseNote (O, R)</p> <p>4.1.5 statuteInformation (O, R)</p> <p>4.1.5.1 statuteJurisdiction (M, NR)</p> <p>4.1.5.2 statuteCitation (M, NR)</p> <p>4.1.5.3 statuteInformationDeterminationDate (O, NR)</p> <p>4.1.5.4 statuteNote (O, R)</p> <p>4.1.6 rightsGranted (O, R)</p> <p>4.1.6.1 act (M, NR)</p> <p>4.1.6.2 restriction (O, R)</p> <p>4.1.6.3 termOfGrant (M, NR)</p> <p>4.1.6.3.1 startDate (M, NR)</p> <p>4.1.6.3.2 endDate (O, NR)</p> <p>4.1.6.4 rightsGrantedNote (O, R)</p> <p>4.1.7 linkingObjectIdentifier (O, R)</p> <p>4.1.7.1 linkingObjectIdentifierType (M, NR)</p> <p>4.1.7.2 linkingObjectIdentifierValue (M, NR)</p> <p>4.1.8 linkingAgentIdentifier (O, R)</p> <p>4.1.8.1 linkingAgentIdentifierType (M, NR)</p> <p>4.1.8.2 linkingAgentIdentifierValue (M, NR)</p> <p>4.1.8.3 linkingAgentRole (M, NR)</p> <p>4.2 rightsExtension (O, R)</p>	<ul style="list-style-type: none"> permissionStatement permissionStatementIdentifier permissionStatementIdentifierType permissionStatementIdentifierValue <ul style="list-style-type: none"> grantingAgent grantingAgentIdentification grantingAgentInformation <ul style="list-style-type: none"> permissionGranted act restriction termOfGrant startDate endDate permissionNote <ul style="list-style-type: none"> linkingObject grantingAgent
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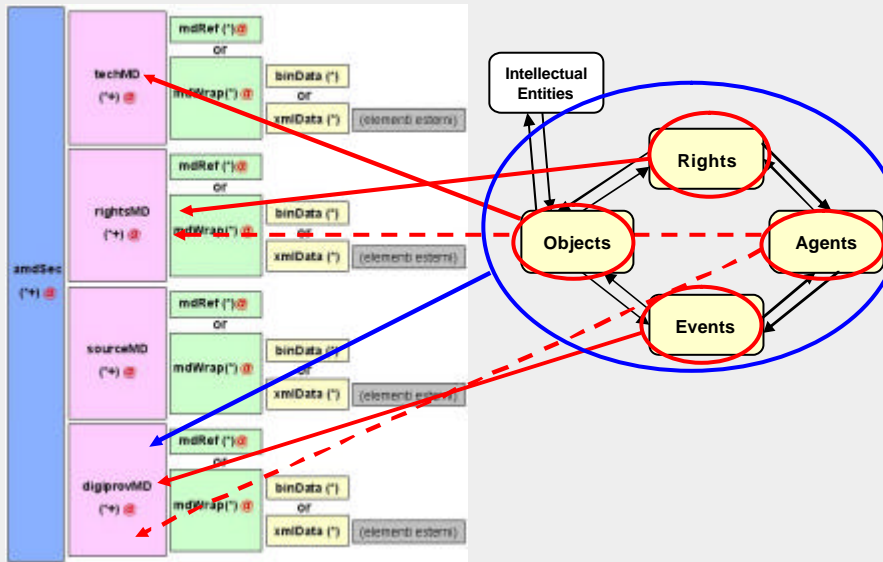


PREMIS — ... e METS — quale metodologia di implementazione ?



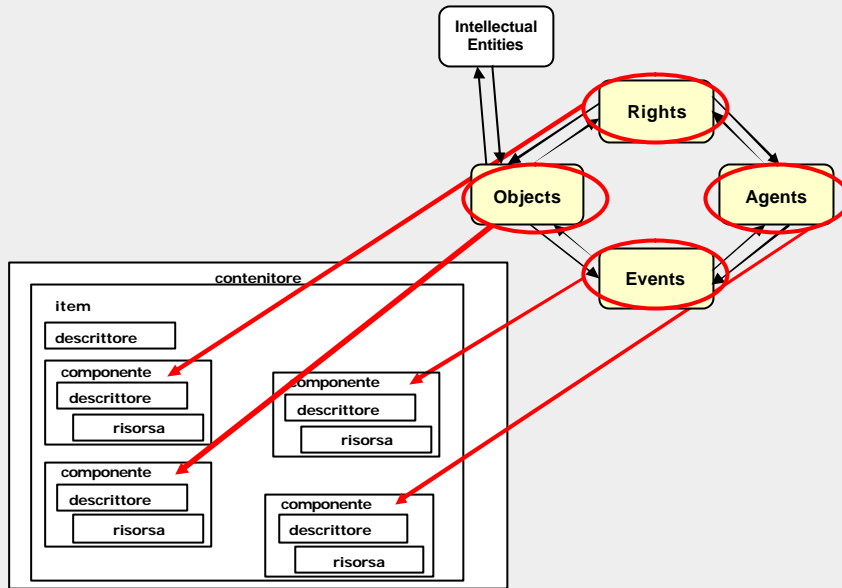
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PREMIS — ... e METS — quale metodologia di implementazione ?



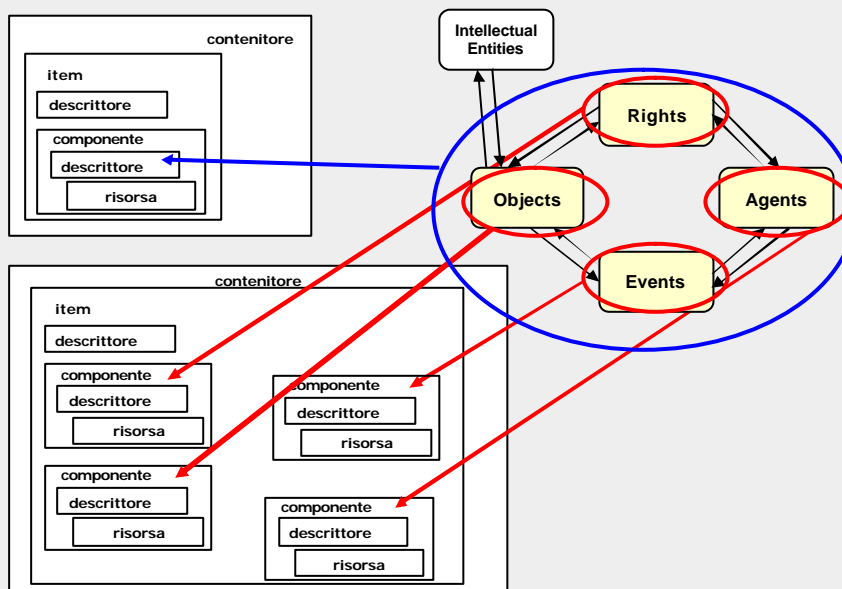
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PREMIS — ... e MPEG-21 DID — quale metodologia di implementazione ?

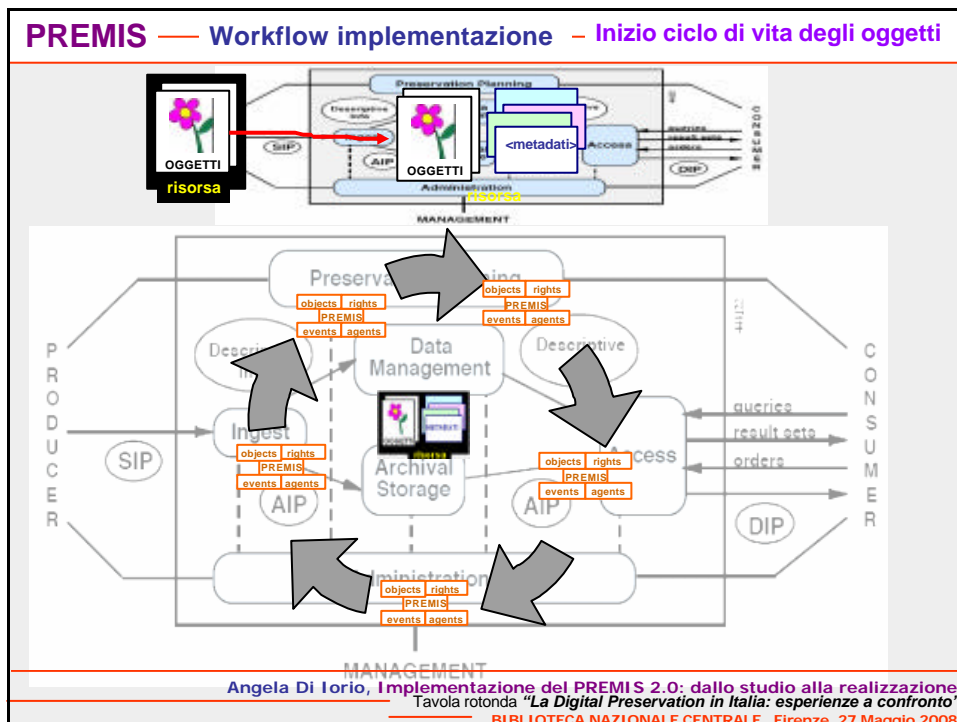
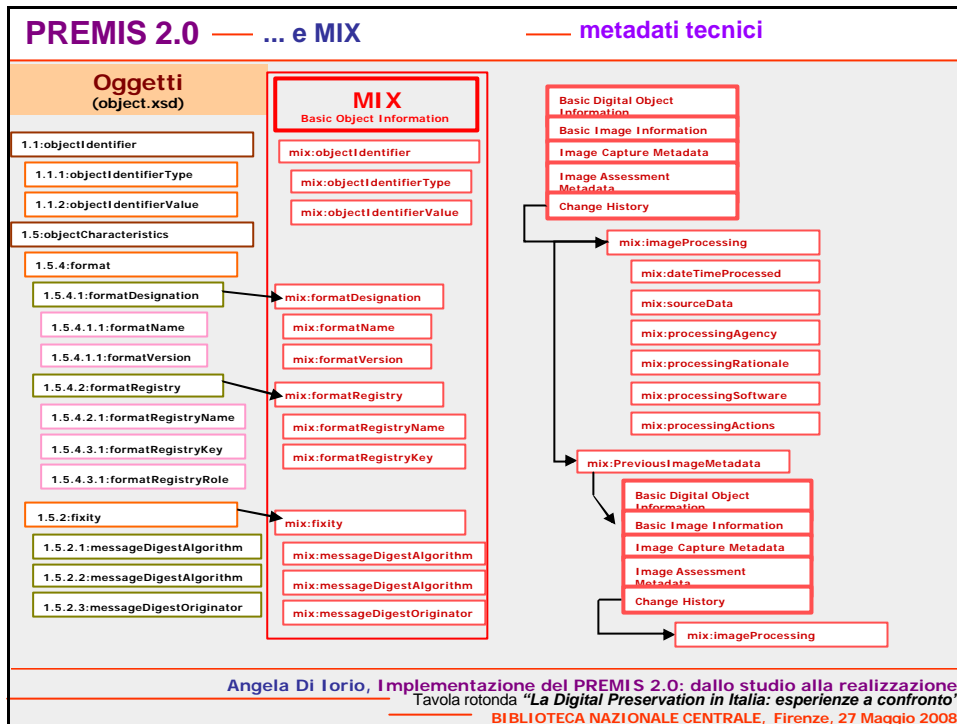


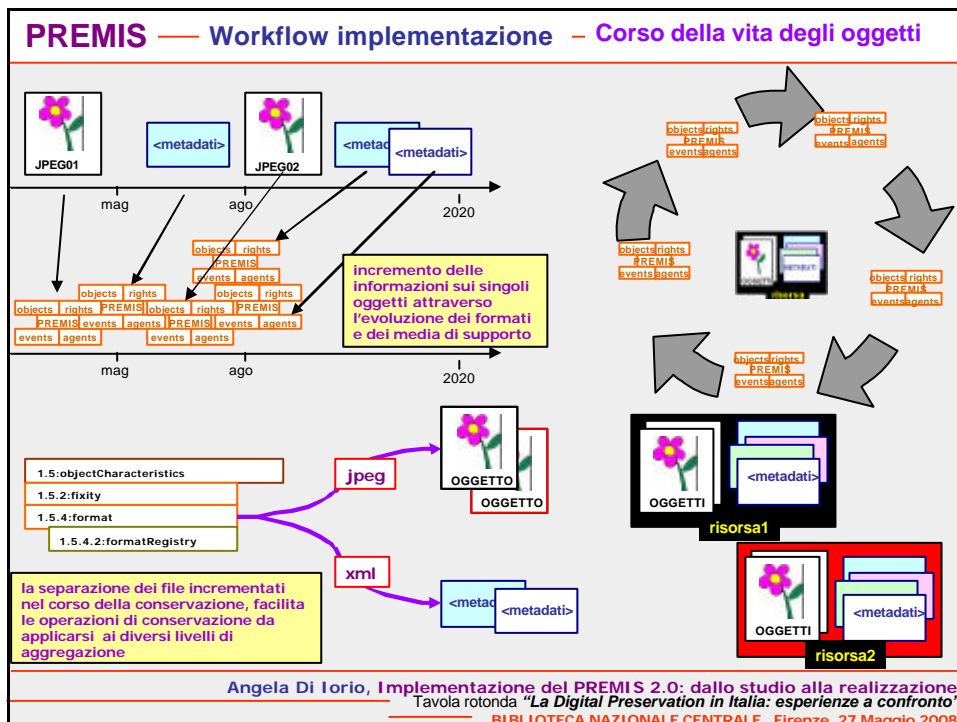
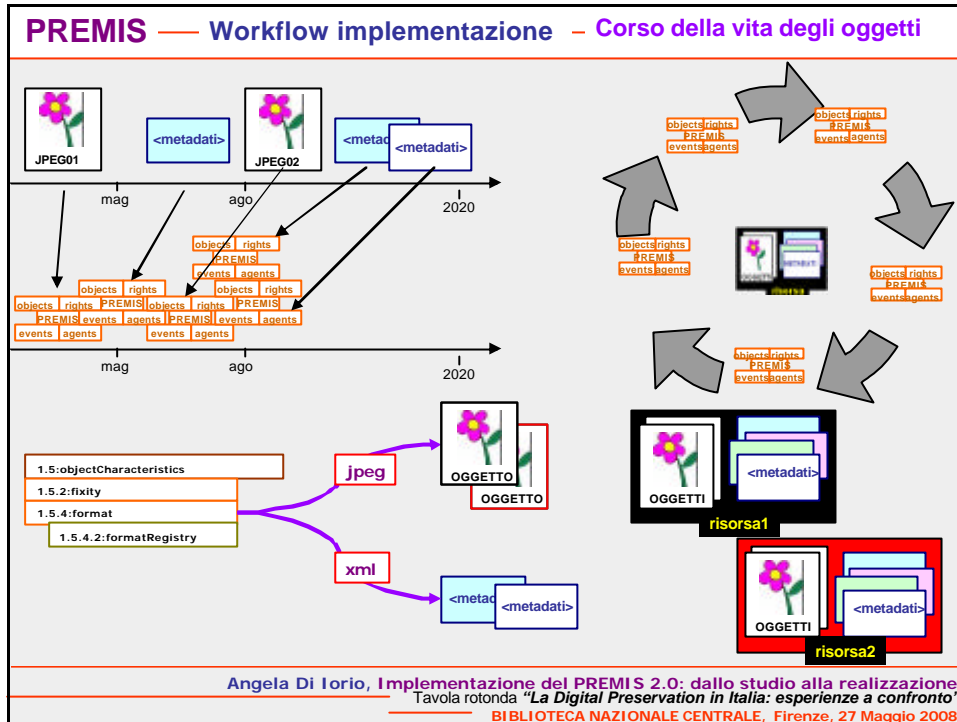
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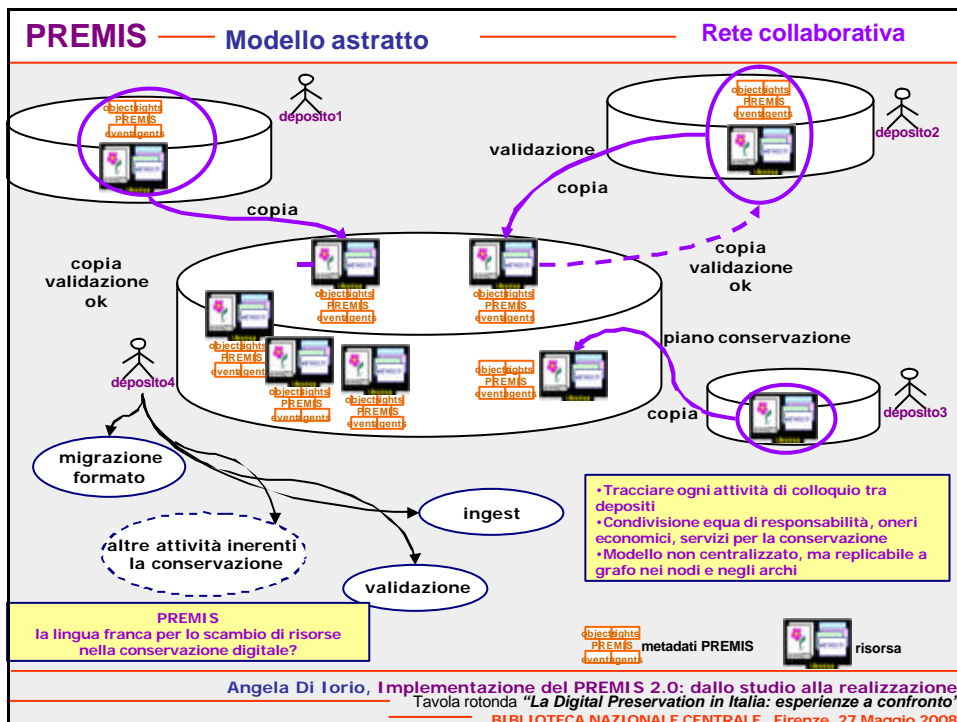
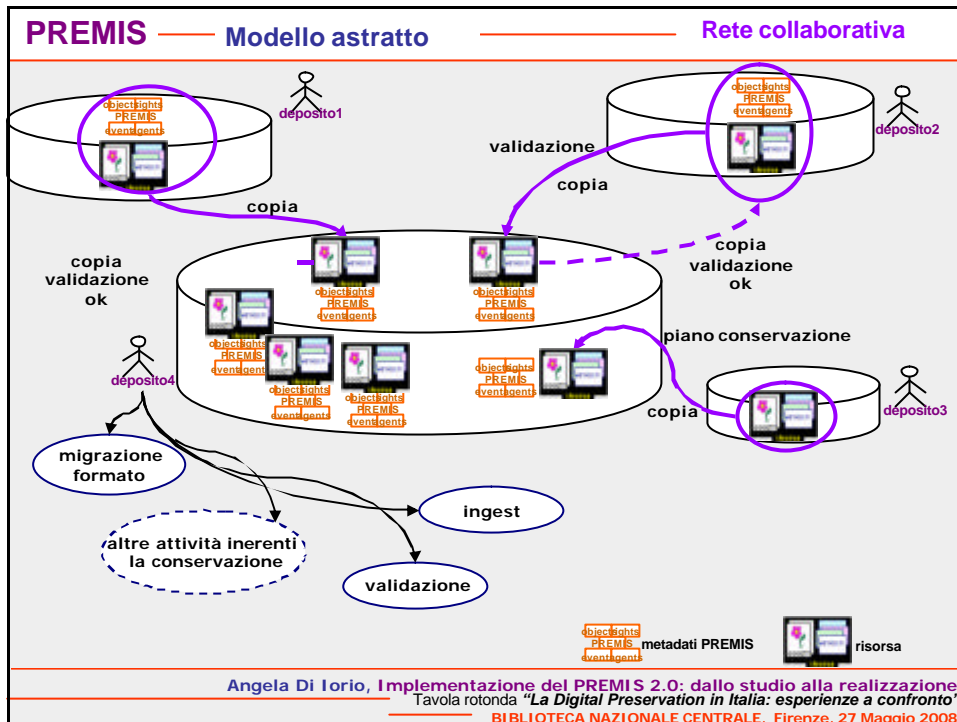
PREMIS — ... e MPEG-21 DID — quale metodologia di implementazione ?



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Riferimenti

www.loc.gov/standards/premis

www.loc.gov/standards/mets

www.loc.gov/standards/mix

www.chiariglione.org/mpeg/technologies/mp21-did/

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