

Manifest vs. storage

```
<?xml version="1.0"?>
<manifest xmlns="tag:ngda.org,2005:schemas/1.1/manifest">
  <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
  <templateRef>tag:ngda.org,2005:templates/casil/doqq</templateRef>
  <definitionRef>tag:ngda.org,2005:formats/doq</definitionRef>
  <directory type="subcomponents">
    <name>data</name>
    <file>
      <name>image.tif</name>
      <definitionRef>tag:ngda.org,2005:formats/tiff</definitionRef>
      <originalFilename>o34119d7sw_1.tif</originalFilename>
      <size>51128418</size>
      <signature algorithm="MD5">95c78b1629b59e5ed842555476e55990</signature>
    </file>
    <file>
      <name>world-file.tfw</name>
      <definitionRef>tag:ngda.org,2005:formats/tfw</definitionRef>
      <originalFilename>o34119d7sw_1.tfw</originalFilename>
      <size>90</size>
      <signature algorithm="MD5">06fd55908f4ef0dc6520ab35b6f81086</signature>
    </file>
  </directory>
  <file>
    <name>metadata.xml</name>
    <definitionRef>tag:ngda.org,2005:formats/fgdc</definitionRef>
    <originalFilename>o34119d7sw_1.tif.xml</originalFilename>
    <size>20275</size>
    <signature algorithm="MD5">eb08a521a0ade8f22317ef572df41071</signature>
  </file>
</manifest>
```

tag:gis.ca.gov,2005:doqq/o34119d7sw_1/
manifest.xml
data/
image.tif
world-file.tfw
metadata.xml

Template vs. manifest

```
<?xml version="1.0"?>
<template xmlns="tag:ngda.org,2005:schemas/1.1/template">
  <templateIdentifier>tag:ngda.org,2005:templates/casil/doqq</templateIdentifier>

  <definitionRef>tag:ngda.org,2005:formats/doq</definitionRef>
  <directory type="subcomponents">
    <name>data</name>
    <file>
      <name>image.tif</name>
      <definitionRef>tag:ngda.org,2005:formats/tiff</definitionRef>

    </file>
    <file>
      <name>world-file.tfw</name>
      <definitionRef>tag:ngda.org,2005:formats/tfw</definitionRef>

    </file>
  </directory>
  <file>
    <name>metadata.xml</name>
    <definitionRef>tag:ngda.org,2005:formats/fgdc</definitionRef>

  </file>
</template>
```

```
<?xml version="1.0"?>
<manifest xmlns="tag:ngda.org,2005:schemas/1.1/manifest">
  <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
  <templateRef>tag:ngda.org,2005:templates/casil/doqq</templateRef>
  <definitionRef>tag:ngda.org,2005:formats/doq</definitionRef>
  <directory type="subcomponents">
    <name>data</name>
    <file>
      <name>image.tif</name>
      <definitionRef>tag:ngda.org,2005:formats/tiff</definitionRef>
      <originalFilename>o34119d7sw_1.tif</originalFilename>
      <size>51128418</size>
      <signature algorithm="MD5">95c78b1629b59e5ed842555476e55990</signature>
    </file>
    <file>
      <name>world-file.tfw</name>
      <definitionRef>tag:ngda.org,2005:formats/tfw</definitionRef>
      <originalFilename>o34119d7sw_1.tfw</originalFilename>
      <size>90</size>
      <signature algorithm="MD5">06fd55908f4ef0dc6520ab35b6f81086</signature>
    </file>
  </directory>
  <file>
    <name>metadata.xml</name>
    <definitionRef>tag:ngda.org,2005:formats/fgdc</definitionRef>
    <originalFilename>o34119d7sw_1.tif.xml</originalFilename>
    <size>20275</size>
    <signature algorithm="MD5">eb08a521a0ade8f22317ef572df41071</signature>
  </file>
</manifest>
```

Ingest vs. manifest

```
<?xml version="1.0"?>
<ingest xmlns="tag:ngda.org,2005:schemas/1.1/ingest">
  <createObject>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <templateRef>tag:ngda.org,2005:templates/casil/doqq</templateRef>
  </createObject>
  <uploadFile>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <path>data/world-file.tfw</path>
    <file>
      <sourceParameter>FILE1</sourceParameter>
      <originalFilename>o34119d7sw_1.tfw</originalFilename>
    </file>
  </uploadFile>
  <uploadFile>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <path>metadata.xml</path>
    <file>
      <sourceParameter>FILE2</sourceParameter>
      <originalFilename>o34119d7sw_1.tif.xml</originalFilename>
    </file>
  </uploadFile>
  <uploadFile>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <path>data/image.tif</path>
    <file>
      <sourceParameter>FILE3</sourceParameter>
      <originalFilename>o34119d7sw_1.tif</originalFilename>
      <size>51128418</size>
      <signature algorithm="MD5">95c78b1629b59e5ed842555476e55990</signature>
    </file>
  </uploadFile>
</ingest>
```

```
<?xml version="1.0"?>
<manifest xmlns="tag:ngda.org,2005:schemas/1.1/manifest">
  <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
  <templateRef>tag:ngda.org,2005:templates/casil/doqq</templateRef>
  <definitionRef>tag:ngda.org,2005:formats/doq</definitionRef>
  <directory type="subcomponents">
    <name>data</name>
    <file>
      <name>image.tif</name>
      <definitionRef>tag:ngda.org,2005:formats/tiff</definitionRef>
      <originalFilename>o34119d7sw_1.tif</originalFilename>
      <size>51128418</size>
      <signature algorithm="MD5">95c78b1629b59e5ed842555476e55990</signature>
    </file>
    <file>
      <name>world-file.tfw</name>
      <definitionRef>tag:ngda.org,2005:formats/tfw</definitionRef>
      <originalFilename>o34119d7sw_1.tfw</originalFilename>
      <size>90</size>
      <signature algorithm="MD5">06fd55908f4ef0dc6520ab35b6f81086</signature>
    </file>
  </directory>
  <file>
    <name>metadata.xml</name>
    <definitionRef>tag:ngda.org,2005:formats/fgdc</definitionRef>
    <originalFilename>o34119d7sw_1.tif.xml</originalFilename>
    <size>20275</size>
    <signature algorithm="MD5">eb08a521a0ade8f22317ef572df41071</signature>
  </file>
</manifest>
```

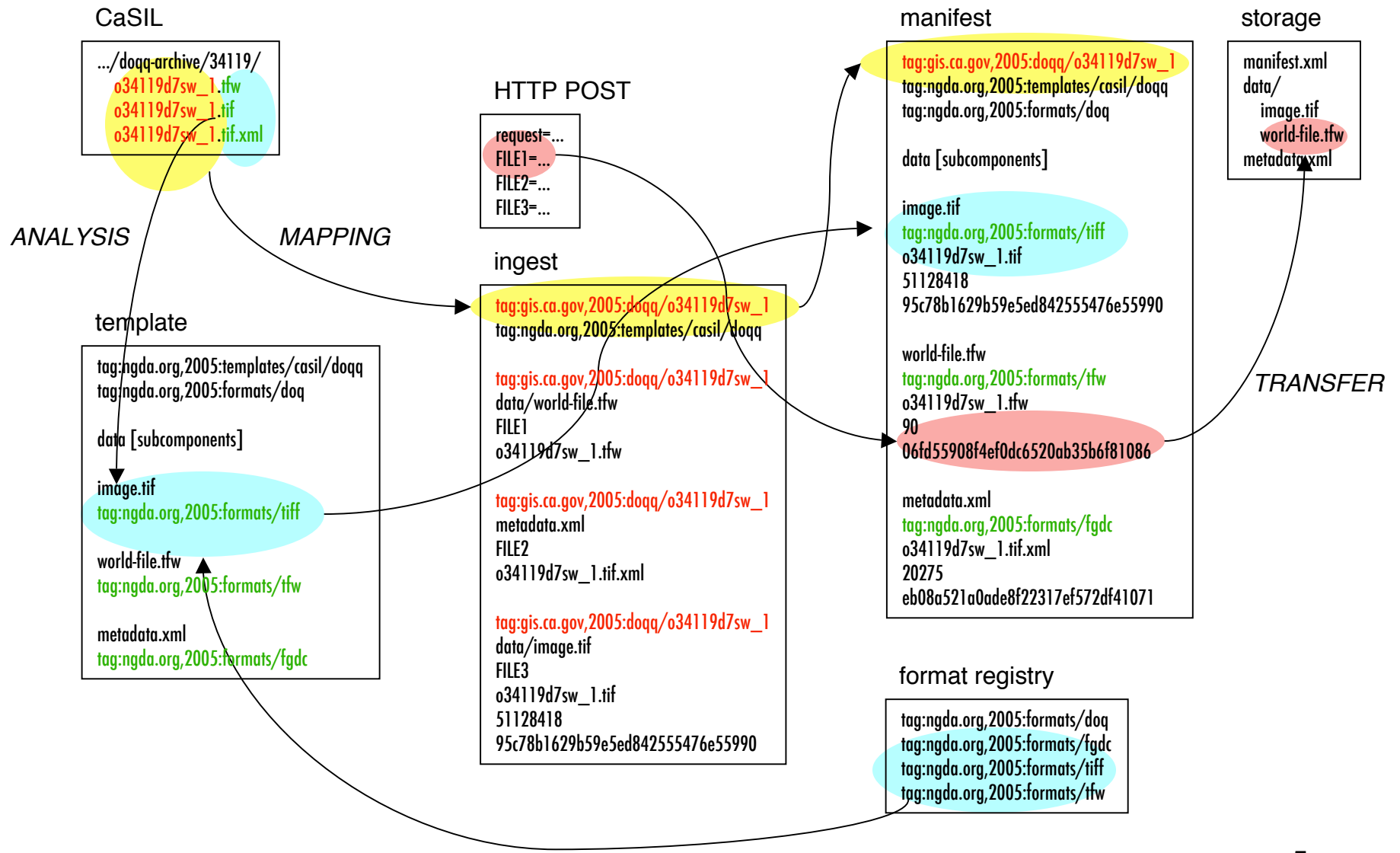
Ingest: template-based vs. not

```
<?xml version="1.0"?>
<ingest xmlns="tag:ngda.org,2005:schemas/1.1/ingest">
  <createObject>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <templateRef>tag:ngda.org,2005:templates/casil/doqq</templateRef>
  </createObject>

  <uploadFile>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <path>data/world-file.tfw</path>
    <file>
      <sourceParameter>FILE1</sourceParameter>
      <originalFilename>o34119d7sw_1.tfw</originalFilename>
    </file>
  </uploadFile>
  <uploadFile>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <path>data/image.tif</path>
    <file>
      <sourceParameter>FILE3</sourceParameter>
      <originalFilename>o34119d7sw_1.tif</originalFilename>
    </file>
  </uploadFile>
</ingest>
```

```
<?xml version="1.0"?>
<ingest xmlns="tag:ngda.org,2005:schemas/1.1/ingest">
  <createObject>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <definitionRef>tag:ngda.org,2005:formats/doq</definitionRef>
  </createObject>
  <createDirectory>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <path>data</path>
    <type>subcomponents</type>
  </createDirectory>
  <uploadFile>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <path>data/world-file.tfw</path>
    <file>
      <sourceParameter>FILE1</sourceParameter>
      <originalFilename>o34119d7sw_1.tfw</originalFilename>
    </file>
    <definitionRef>tag:ngda.org,2005:formats/tfw</definitionRef>
  </uploadFile>
  <uploadFile>
    <objectIdentifier>tag:gis.ca.gov,2005:doqq/o34119d7sw_1</objectIdentifier>
    <path>data/image.tif</path>
    <file>
      <sourceParameter>FILE3</sourceParameter>
      <originalFilename>o34119d7sw_1.tif</originalFilename>
    </file>
    <definitionRef>tag:ngda.org,2005:formats/tiff</definitionRef>
  </uploadFile>
</ingest>
```

Information sources and flow



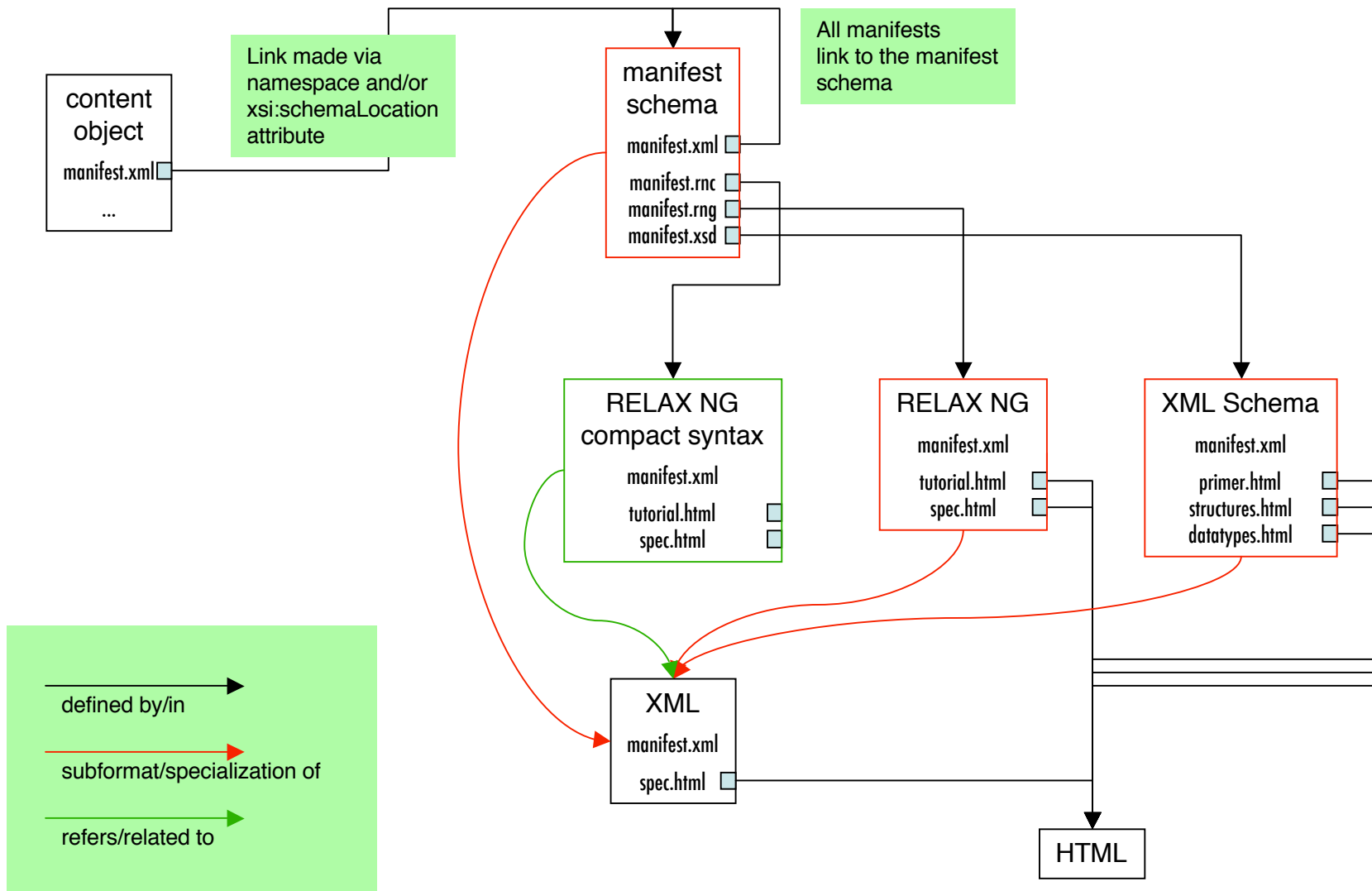
Archival storage of templates

```
<?xml version="1.0"?>
<manifest xmlns="tag:ngda.org,2005:schemas/1.1/manifest">
  <objectIdentifier>tag:ngda.org,2005:templates/casil/doqq</objectIdentifier>
  <file>
    <name>template.xml</name>
    <definitionRef>tag:ngda.org,2005:schemas/1.1/template</definitionRef>
    <size>732</size>
    <signature algorithm="MD5">753c8a53a754eb1313f851cda8217038</signature>
  </file>
</manifest>
```

tag:ngda.org,2005:templates/casil/doqq/
manifest.xml
template.xml

```
<?xml version="1.0"?>
<template xmlns="tag:ngda.org,2005:schemas/1.1/template">
  <templateIdentifier>tag:ngda.org,2005:templates/casil/doqq</templateIdentifier>
  <definitionRef>tag:ngda.org,2005:formats/doq</definitionRef>
  <directory type="subcomponents">
    <name>data</name>
    <file>
      <name>image.tif</name>
      <definitionRef>tag:ngda.org,2005:formats/tiff</definitionRef>
    </file>
    <file>
      <name>world-file.tifw</name>
      <definitionRef>tag:ngda.org,2005:formats/tfw</definitionRef>
    </file>
  </directory>
  <file>
    <name>metadata.xml</name>
    <definitionRef>tag:ngda.org,2005:formats/fgdc</definitionRef>
  </file>
</template>
```

Archive self-description (I)



Archive self-description (II)

