

CCIT2004

Lancio della versione italiana delle licenze Creative Commons

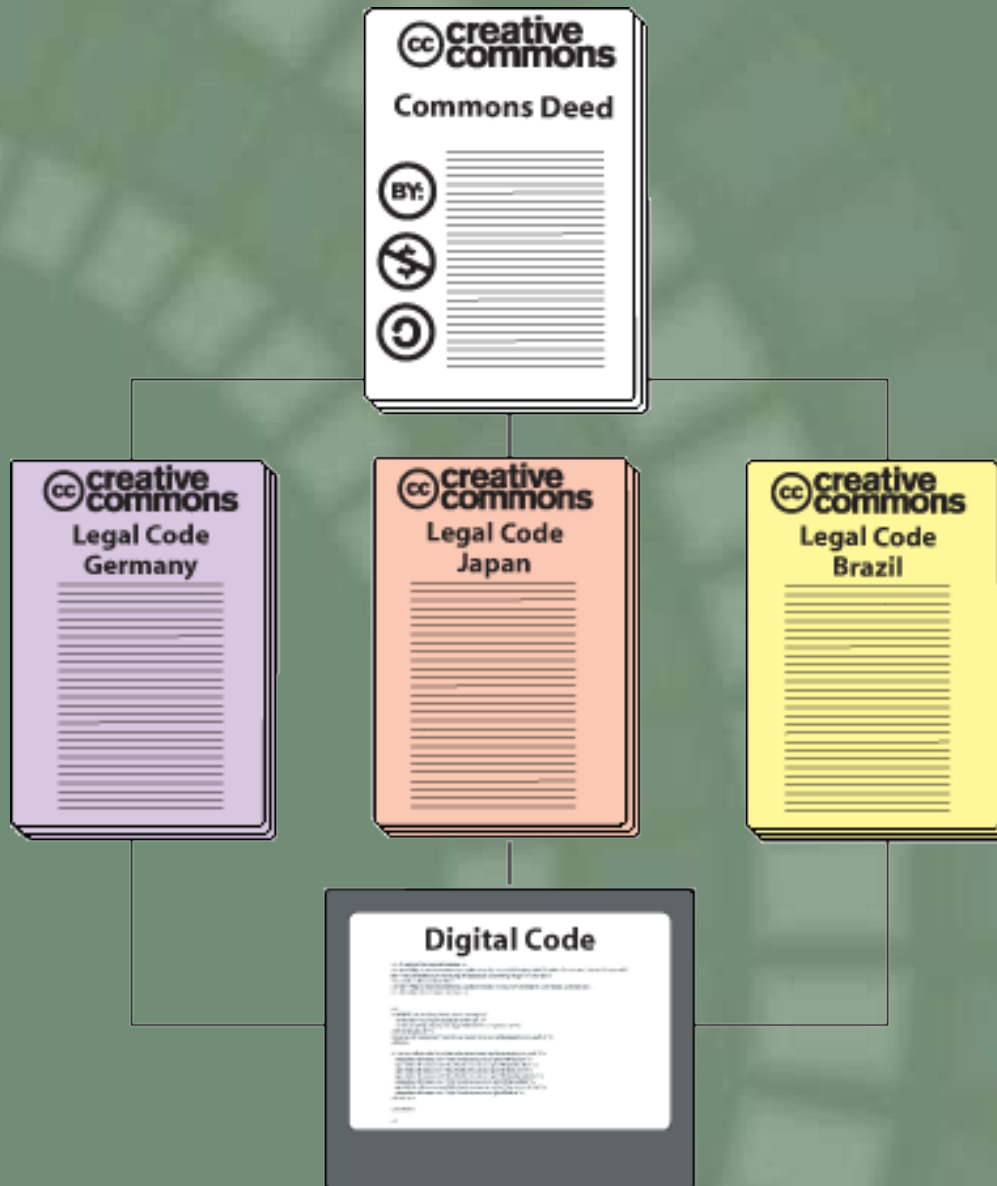
Torino, 16 dicembre 2004

Gli aspetti tecnici dei Creative Commons

**Juan Carlos De Martin
IEIIT-CNR**



Law and technology



Three Expressions:

Human-Readable: Commons Deed

Three Expressions:

Human-Readable: Commons Deed

Lawyer-Readable: Legal Code

Three Expressions:

Human-Readable: Commons Deed

Lawyer-Readable: Legal Code

Machine-Readable: Metadata

Three Expressions:

Human-Readable: Commons Deed

Lawyer-Readable: Legal Code

Machine-Readable: Metadata

Logo + Link



Metadata

Metadata

What it does --> Expression, Description, Search

Metadata

What it does --> Expression, Description, Search

Tools:

Resource Description Framework (RDF)

Extensible Metadata Platform (XMP)

Metadata

What it does --> Expression, Description, Search

Tools:

Resource Description Framework (RDF)

Extensible Metadata Platform (XMP)

What it does not do --> DRM



***Creative Commons
Technical Challenges***

Developer Aids, Libraries, and Specifications

License metadata validation web application. [1 implementation]

License claim embedding specifications for more file types.

APIs for Creative Commons license metadata. [3 implementations]

License metadata in SMIL and SVG. [1 implementation]

Operating System Support For Creative Commons Metadata

Content Creation Applications

GUI for embedding license claims in files and generating claim verification RDF.

Build Creative Commons licensing into more content creation applications.

Open source application support for XMP and Creative Commons license info. [1 implementation]

Content Display, Player, and Sharing Applications

Browser toolbar or plugin that extracts and displays license metadata embedded in a page. [1 implementation]

Media player and file sharing applications that read, verify, and display license claims embedded in files.

Sense Candy and "Art" (Re-)generation. [1 implementation]

License-aware Search Applications

Add license search to a major commercial search engine.

Write a custom Creative Commons license-aware search engine. [1 implementation]

Creative Commons Search

Full copyright applies to most stuff on the web. But this search helps you find photos, music, text, and other works whose authors want you to re-use it for some uses -- without having to pay or ask permission. ([More Info](#))

Search

[\[Help\]](#)

optional

- Find me works I can use even for commercial purposes.
- Find me works I can modify, adapt, or build upon.

Format:



twice as good as View Source

install (the law of averages)

tell me more.

> [home](#)

> [news](#)

> [install](#)

> [faq](#)

> [development](#)

> [contact](#)

resources

welcome

mozCC is an extension for [Mozilla](#)-based browsers, including [Mozilla Firebird](#), [Mozilla](#) and [Netscape](#), which provides a convenient way to examine [Creative Commons](#) licenses embedded in web pages. It's at **least** twice as good as View Source.

The current release is 0.9.3. You can find out more about installing it [here](#). While it seems stable, this is still a pre-1.0 release, and therefore I make no guarantees. I would, however, love your [feedback](#).

CC Search

creative commons SEARCH

Lessig


[text](#)

Commercial Use

Derivatives

Format:

[Creative Commons Common Content](#)



This software is licensed under the [CC-BY-SA](#).

Please send bug reports to Stacy.Soffin

creative commons SEARCH

Creative Commons RDF-enhanced search

Lessig [text](#)

- I want to make commercial use.
 - I want to create derivative works.
- Format:

DEANocratsAZ 

Lessig Blog. <http://www.lessig.org/blog/archives/001694.shtml> Open a new window showing this item and its comments at the original site (Lessig Blog). <http://deanocratsaz.com/deanspace/node/view/5194> Read the rest of this posting. <http://deanocratsaz.com/deanspace/taxonomy/page/for/40> Content for Lawyers for Dean <http://deanocratsaz.com/deanspace/comment/reply/5210> Add a new comment to this page. <http://deanocratsaz.com>

[Text] <http://deanocratsaz.com/deanspace/archive/2004/1/25> [more from deanocratsaz.com](#)

grandtextauto.org: September 2003 Archives 

Lessig is a constitutional scholar, a Stanford law professor who is scared shitless about the poorly-thought controls currently and relentlessly being placed on our intellectual lives by "the extremists in power." Lessig was the chief architect of Eldred v. Ashcroft, the legal action which attempted to overturn the Copyright

Creative Commons RDF License Validation

This service parses Creative Commons licenses, validates the RDF and displays their contents in human readable form. It is useful for ensuring that your license accurately reflects the rights you wish to reserve (or not).

This service was created in response to a list of [technology challenges](#) published by the Creative Commons. Suggestions and bug reports are always welcome. You can e-mail them to me directly at [nathan at yergler dot net](mailto:nathan@yergler.net).

The validator consists of a CGI driver and a handful of Python support modules. You can download the tarball [here](#). The parsing is performed by [ccRdf](#), a set of Python classes that wrap Creative Commons licenses. These classes provide facilities to parse, examine and emit license and work-related RDF.

You can find the latest news about the Validator at [The Law of Averages](#), which the validator-specific archive at <http://www.yergler.net/blog/archives/ccvalidator>.

Enter a URL or paste RDF into the following text field to parse the license and display human readable results. The URL should point to either an [RDF file](#) or an embedded RDF. If a URL is supplied, all RDF segments will be examined for valid licenses.

```
<rdf:RDF xmlns="http://web.resource.org/cc/"
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#">
  <Work rdf:about="http://www.yergler.net/averages/">
  <dc:title>The Law of Averages</dc:title>
  <dc:description>...because eventually it&apos;ll be
right...</dc:description>

  <license
rdf:resource="http://creativecommons.org/licenses/by-nc/1.0/" />
</Work>
```

Parse RDF

Clear RDF

Restore Example

or

Clear URI

<http://www.yergler.net/blog>

Parse URI



[article](#) [discussion](#) [edit](#) [history](#)

Developer

Table of contents [hide]

- 1 Creative Commons Developer Toolkit
 - 1.1 Topic Guides
 - 1.2 Projects
 - 1.3 Resources

navigation

- [Main Page](#)
- [Get Content](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Special pages](#)

Creative Commons Developer Toolkit

This area of the Wiki collects resources and tools for developing Creative Commons enabled applications.

Topic Guides

- [Creating Licenses](#)
- [Reading Licenses](#)
- [CC Tools Guide](#)
- [Dream CC Tool](#)



Open Media Streaming

E-mail, Internet, Web, etc:

E-mail, Internet, Web, etc:

Open & free standards

E-mail, Internet, Web, etc:

Open & free standards

Full interoperability between applications

E-mail, Internet, Web, etc:

Open & free standards

Full interoperability between applications

***Thriving platform for innovation
and competition***

Streaming

Streaming

A very important technology that is by and large locked by proprietary technologies

Streaming

A very important technology that is by and large locked by proprietary technologies

No interoperability

Streaming

A very important technology that is by and large locked by proprietary technologies

No interoperability

Waste of resources, vendor lock-in, little innovation and competition, etc.

There is no technical reason for the current situation.

Streaming can be as open as email !

There is no technical reason for the current situation.

Streaming can be as open as email !

The Open Media Streaming Project

There is no technical reason for the current situation.

Streaming can be as open as email !

The Open Media Streaming Project

-Internet protocols

There is no technical reason for the current situation.

Streaming can be as open as email !

The Open Media Streaming Project

-Internet protocols

-Free software (GPL)

There is no technical reason for the current situation.

Streaming can be as open as email !

The Open Media Streaming Project

-Internet protocols

-Free software (GPL)

-Free/open media formats

There is no technical reason for the current situation.

Streaming can be as open as email !

The Open Media Streaming Project

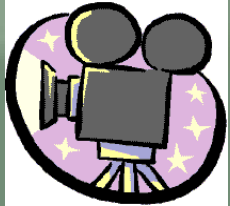
-Internet protocols

-Free software (GPL)

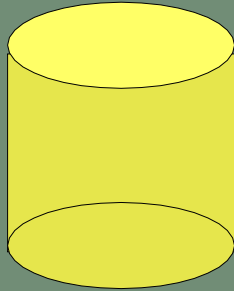
-Free/open media formats

OMS Server: Fenice

OMS Client: NeMeSI

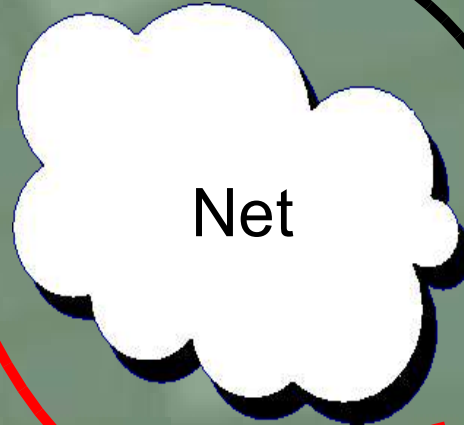


LIVE AUDIO/VIDEO



STORED MULTIMEDIA

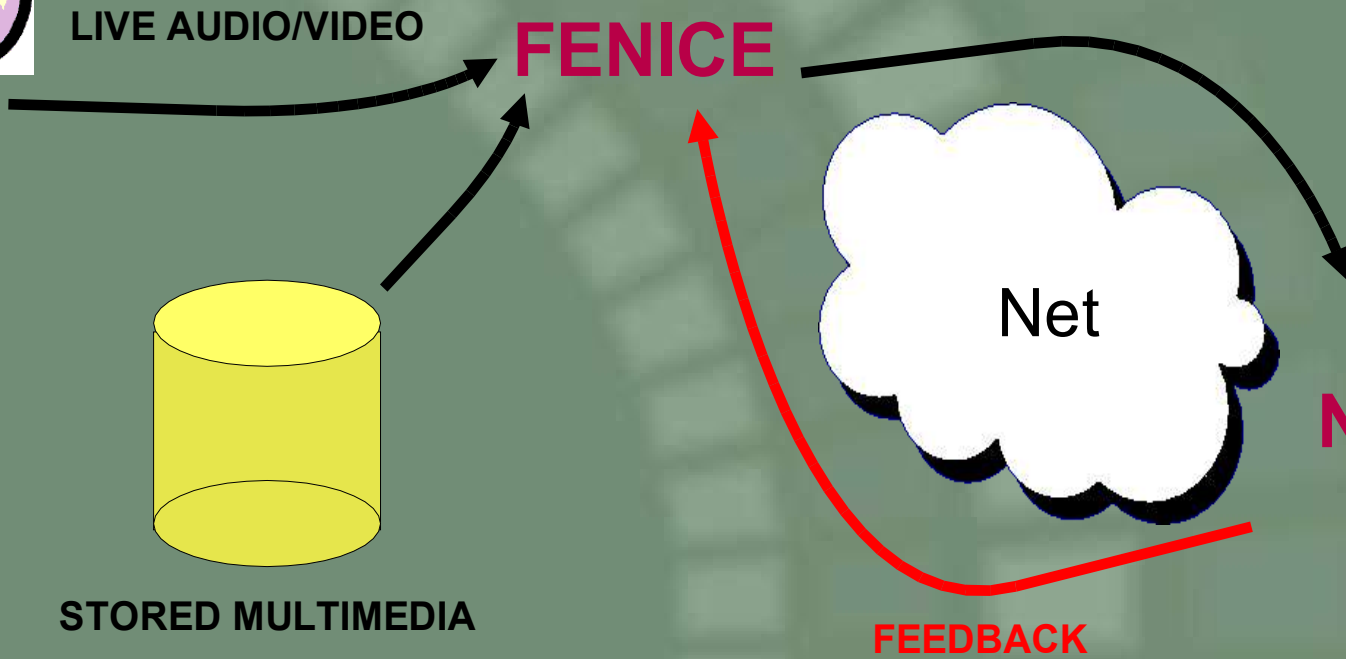
FENICE



Net

NeMeSI

FEEDBACK



Creative Commons OMS

Creative Commons OMS

Server side:

Creative Commons OMS

Server side:

- support for licensing metadata

Creative Commons OMS

Server side:

- support for licensing metadata
- send metadata to client

Creative Commons OMS

Server side:

- support for licensing metadata
- send metadata to client

Client side:

Creative Commons OMS

Server side:

- support for licensing metadata
- send metadata to client

Client side:

- interpret licensing metadata

Creative Commons OMS

Server side:

- support for licensing metadata
- send metadata to client

Client side:

- interpret licensing metadata
- take appropriate action

NeMeSi



File Edit Settings Help



streaming 0,0



NeMeSI RTSP Status: PLAYING

TITLE Che cos'è l'amor AUTHOR Vinicio Capossela



More info at <http://streaming.polito.it>

***Many technical challenges
are still open***



Law and technology