A practical implementation to support the Digital Single Market

mEDRA tools in ARDITO

Control your content in the digital marketplace
ARDITO outreach conference @Più libri più liberi
8th December 2017

www.ardito-project.eu

ARDITO tools for textual publishing

ARDITO is developing new applications to:

- use watermarks to access rights and licensing directly and to identify re-use options for e-books→ **Icontact**

- assign DOI-based identifiers (called ARDI) to Digital Rightsholder Statements to declare rights on content (ex author-publishers)→ **mEDRA**

doi® technology

- DOI = multi-purpose, multi-content, persistent web resolvable ID
  - Approx. 150 million DOIs assigned across media and content types
  - DOI resolution can be Single, Multiple and Context-aware
  - DOI + ISBN = ISBN-A
  - ISO standard

- How it works: when used in the Internet, the DOI works like a link redirecting the user to a resource. Examples:
  - 10.3233/JAD-2010-101674→https://doi.org/10.3233/JAD-2010-101674
  - 10.978.8899630/096 →https://doi.org/10.978.8899630/096

DOI and ARDITO

- Our work in ARDITO exploits DOI features to connect content and rights
  - **Extensible metadata framework**
    - We use the DOI to identify rights declarations (ARDI)
    - We can connect rights data to content
    - Scalable to any type of content assets
  - **Resolvable identifier**
    - Enhanced discoverability of rights declarations and rights information
    - Access rights declarations and rights information from the content ID (Rights-aware resolution)
  - **Standard and interoperable identifier**
    - We can easily connect with the Copyright Hub as extra access point to tools and services
    - We can connect to other ARDITO tools and services

ARDITO tools

- ARDI service: tool to enable registration of Digital Rightsholder Statements (DRS) and issuing of ARDI identifiers

- Rights-aware DOI suite:
  - interfaces to create rights-aware DOIs
  - automatic service to create and use ISBNs as DOI-based web resolvable IDs (ISBN-As)
  - customisable interfaces for rights-aware resolution to be used at the point of discovery of the content on the web or in machine to machine manner

The ARDI service

- Deposit a DRS
- Assign an ARDI identifier (DOI-based)
- Service interactions:
  - Register ARDI resolution (Handle System)
  - Persist DRS and ARDI metadata (mEDRA ARDI System)
  - Onboard in the Copyright Hub (Hub Repository System)
- Activate rights-aware resolution on the content DOI
- Access the DRS
  - Through ARDI resolution
  - Through rights-aware resolution of the content DOI
  - Through Copyright Hub plug in
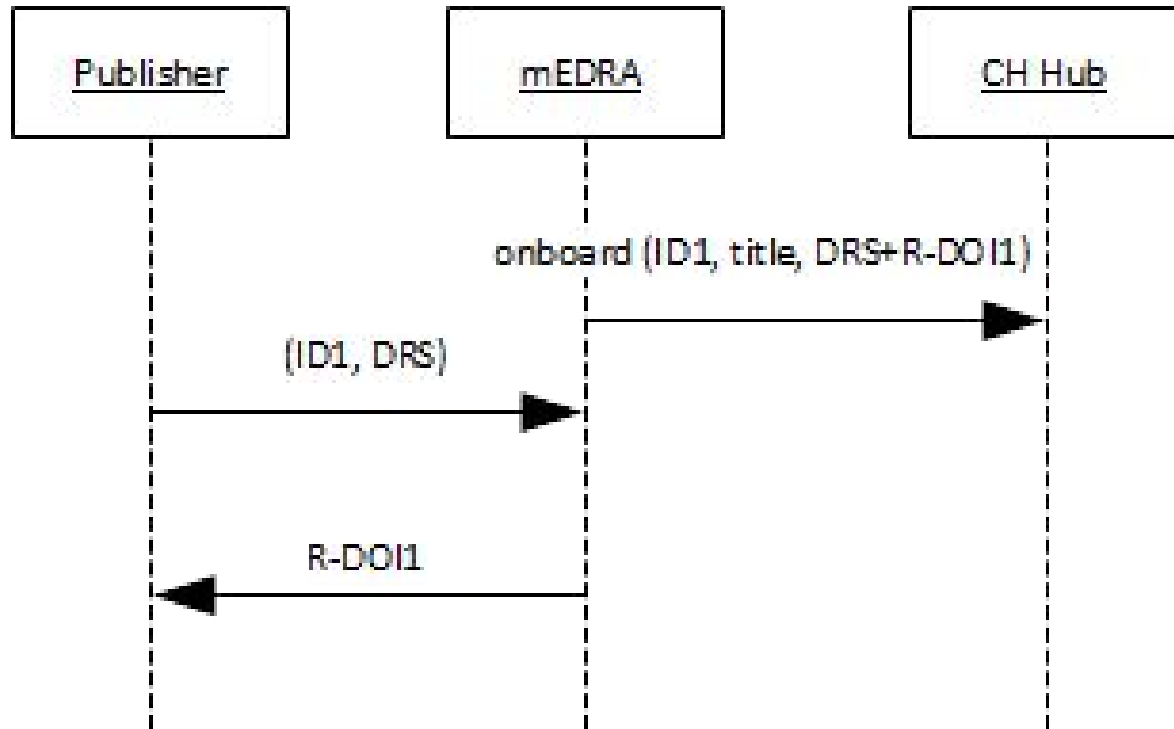 - Through watermarking decoding (see BooXtream presentation)

ARDITO

Deposit a DRS

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                        </Identifier>
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                                <NamePart NamePartType="lcc:NamesBeforeKeyName">Anna</NamePart>
                        </Name>
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                        <Name>Pierfrancesco Attanasio</Name>
                        <Year>2016</Year>
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                        <Extension Language="ita">Il testo di questo articolo è rilasciato dagli autori in licenza Creative Commons Attribusione - Non commerciale (CC-BY-NC 4.0)</Extension>
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                </Identifier>
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        </Asserter>
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</DigitalRightsholderStatement>
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Integration with the Copyright Hub

Access the DRS: resolve the ARDI

https://doi.org/10.29414/ardi:1510841716516

ARDITO   Home

DRS – DIGITAL RIGHTSHOLDER STATEMENT
10.29414/ardi:1510841716516

CREATION DETAILS

Name	Il mercato delle riviste scientifiche italiane: una ricerca
Type	lcc:LexicalWork
Creations Identifiers	lcc:ISBN: 9788899630096
	lcc:DOI: 10.978.8899630/096
	lcc:ISBNA: 10.978.8899630/096

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DRS issued on 2017-09-10T13:44:01 by Italian Publisher Association

Related DRS ⌃

www.ardito-project.eu

Related DRS

DRS – DIGITAL RIGHTSHOLDER STATEMENT
10.29414/ardi:1510841964402

CREATION DETAILS

Name	Il mercato delle riviste scientifiche italiane: una ricerca
Type	lcc:LexicalWork
Creations Identifiers	lcc:ISBN: 9788899630096

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DRS – DIGITAL RIGHTSHOLDER STATEMENT
10.29414/ardi:1511347025260

CREATION DETAILS

Name	Tra editoria e università. I risultati del gruppo di lavoro Università di Verona, CINECA e Aie
Type	lcc:LexicalWork
Creations Identifiers	lcc:ISBN: 9788899630010
	lcc:ISBNA: 10.978.8899630/003
	lcc:ISBNA: 10.978.8899630/041
	lcc:ISBNA: 10.978.8899630/096
	lcc:ISBNA: 10.978.8899630/065
	lcc:ISBNA: 10.978.8899630/058

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ARDITO

Activate rights-aware resolution

Content DOI (ISBN-A): 10.978.8899630/096

Contextual Multiple Resolution

Handle*:

Load | 10.978.8899630/096

URL*:

http://www.giornaledellalibreria.it/presentazione--tra-editoria-e-universita-i-risultati-del-gruppo-di-lavoro-universita-di-verona-cineca-e-aie-2585.html

Location # 0 | Remove

href*: | https://doi.org/10.29414/ardi:1510841716516

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ctype: |

weight: | 0

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Access the DRS: resolve the content DOI

https://doi.org/10.978.8899630/096?locatt=type:rights

DRS – DIGITAL RIGHTSHOLDER STATEMENT
10.29414/ardi:1510841716516

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Identifiers	lcc:DOI: 10.978.8899630/096
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Related DRS

www.ardito-project.eu

From tools to services

- The ARDITO tools will be **integrated into mEDRA** DOI Registration Agency platform and used to:
  - create a new service for customers to **register rights-aware DOIs**, or add rights-awareness to existing DOIs
  - expose and make available for reuse information about rights and licenses in a range of different methods and formats
- The ARDITO tools will be **integrated into Italian ISBN agency** platform and used to:
  - create a **new service for author-publishers** to declare their rights when they request an ISBN
  - have the above **declaration linked to the content anywhere** in the web, through the same ISBN empowered by the DOI features (ISBN-A plus)

THANK YOU!

anna.lionetti@medra.org
ardito@medra.org
@ARDITOProject

www.ardito-project.eu