




Advantages of registering DOIs:
rights management, Context Aware Multiple
Resolution

About mEDRA and our activities

- **mEDRA** is a SME and a joint venture by [AIE](#) (Italian Publishers Association) and [CINECA](#) (the Italian Interuniversity Computing Centre) founded in 2004 and operates as:
 - DOI Registration Agency
 - consultancy and training agency and in the field of identification standards and metadata
 - technology provider of e-infrastructures for the publishing industry
 - R&D centre for innovation-intensive projects in Italy and abroad
- We are active since 2007 in the field of rights information management in digital environment



- Over 120 million  names assigned across media and content types (textual works, books, journal articles, research outcomes, datasets, PSI, movies and TV series)
 - Content identified by a DOI name always has some kind of rights information, whether in copyright or not, and may have usage and access policies associated (commercial licenses, creative commons, OA)
 - this is not always known to the content user from the outset

The use of DOI can facilitate the discovery of rights information at the point of discovery of the content

DOI and rights metadata

- DOI metadata collected by Registration Agencies include (optional) fields for rights, mEDRA collects name of copyright owner and copyright year
 - This means that users of RA metadata services or content negotiation will receive a basic rights info if they are present in the DOI metadata record

```
- <CopyrightStatement>  
  <CopyrightYear>2015</CopyrightYear>  
  - <CopyrightOwner>  
    <CorporateName>IOS Press and the authors. All rights reserved</CorporateName>  
  </CopyrightOwner>  
</CopyrightStatement>
```

```
- <rightsList>  
  <rights rightsURI="http://archaeologydataservice.ac.uk/advice/termsOfUseAndAccess">ADS  
  Terms and Conditions apply to reuse</rights>  
</rightsList>
```

- DOI is already used as public standard identifier to connect systems and facilitate some rights-related services, for example:
 - CrossRef DOIs are used to collect from publishers T&Cs to allow researchers to access their content for Text and Data mining purposes
 - CrossRef DOIs are used to collect from publishers access to full text to be included in iThenticate services for plagiarism and piracy detection
 - mEDRA DOIs are used by the Italian collective management organisation as external IDs to communicate with other systems, deliver rights info and link content to licensing services
 - EIDR IDs (DOIs) are used in external systems to support rights recovery and in communications about licenses
- In addition, DOIs can also provide direct access to rights data and services anywhere in the web, through the resolution mechanism
 - Rights-aware resolution
 - Context-aware resolution



CLEARedi use case

- CLEARedi manages certain rights on behalf of represented Italian publishers and has agreements in place with international licensing services
 - DOIs are used to streamline rights and permissions transactions and rights information discovery online

Business need

- ✓ Create a connection between content, content identifiers, metadata and service managed by multiple parties
- ✓ Allow users to reach rights information where content is discovered
- ✓ Disseminate rights information to other services in standard and accepted formats
- ✓ Provide user-controlled access to the desired service



Implemented solution

- ✓ Content in the platform is automatically assigned with a DOI name if not already (for the moment books and ISBN-A)
- ✓ Links to rights and licensing services are added to DOI resolutions by the system
- ✓ Data available through APIs and content negotiation in multiple formats (links to rights services are returned in the response)
- ✓ Rights-aware and Context-aware (multiple resolution for each content)

Demo of the CLEARedi use case

<https://erro.dev.cineca.it/errowa/cmr-demo>

Browser tabs: Piattaforma CLEARedi

Address bar: <https://erro.dev.cineca.it/errowa/cmr-demo>

Navigation icons: Back, Forward, Home, Search, etc.

Browser tabs: LIA VCC, Catalogo LIA - Back Of..., Home | LIA - Libri Itali..., Context Aware Multipl..., BiP Registry - Login, Piattaforma CLEARedi

Application menu: System, Users, Parties, Creations, Rights, Import, Export, GMR DEMO, MyCLEARedi, MyCCG

User profile: paolamazucchi, LIVE, ITA, 0 notifications, Settings

CLEARedi manages certain rights on behalf of mandating Italian publishing houses and maintains rights information on their books in the ERRO aggregation platform. Licensing options for reuse are made available through RightsDirect exchange user interface and through ERRO API in a machine readable format (CRF XML). ISBNs of mandating publishers are DOI enabled (ISBN-A).

9788889637807	Le isole dei pirati	Renato Esposito	Ediser	normal resolution rights offer resolution  find creation resolution all resolutions
9788889637821	Il <dato> è tratto	Anna Lionetti	Ediser	normal resolution rights offer resolution  find creation resolution all resolutions
9788820355241	Web Analytics 2.0 (epub)	Avinash Kaushik	Hoepfi	normal resolution rights offer resolution  find creation resolution all resolutions
9788820344986	Web Analytics 2.0	Avinash Kaushik	Hoepfi	normal resolution rights offer resolution  find creation resolution all resolutions

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get rights offer from:

- Metadata (metadata.rights)
- Licence (content.rights) [Get Permission](#)
- Licence (content.rights) **RDI**

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All resolutions:

- Primary URL (0.0)
- Get Licence (content.rights) (0.5)  [Get Permission](#)
- Get Licence (content.rights) (0)  
- Rights Metadata (metadata.rights) (0)  
- Bibliographic Metadata (metadata.bibliographic) (0) 

To sum up

- DOIs already support multiple services for multiple content industries
- Context-aware (multiple) resolution is a way to provide «selective» access to a multiplicity of services
- DOIs can be used in different ways in the context of rights management
- Rights-related services are an addition to all the other services delivered through a DOI
- Rights-aware resolution is a specialisation of context-aware resolution, where «rights» is the context
- There's generally a separation between the rights and licensing business (rights holders/rights users) and the identification and access provision business (DOI RA)
- Suitable for commercial and non-commercial purposes (CC and OA).

This is all possible exploiting the features of the DOI system, that evolves thanks to the collaborative work of each and all the DOI Registration Agencies



Thank you - Grazie

My metadata

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