Expanding the DOI to new context of applications: Publications Office of the European Union

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**Agenda**

- **Background**
- **DOI at the Publications Office**
  - General Publications
  - Journal Articles
  - Future Evolutions
Background: mandate of the Publications Office

Article 1

The Publications Office

1. The task of the Publications Office of the European Union (hereinafter the Office), which is an interinstitutional office, shall be to publish the publications of the institutions of the European Communities and the European Union under optimum conditions.

To this end it shall, firstly, enable the institutions to fulfil their obligations to publish legislative texts and, secondly, contribute to the technical formulation and implementation of information and communication policies within its areas of competence.

Source: Decision of the European Parliament, the Council, the Commission, the Court of Justice, the Court of Auditors, the European Economic and Social Committee and the Committee of the Regions of 26 June 2009 on the organisation and operation of the Publications Office of the European Union (2009/496/EC, Euratom).
Background: what do we publish?

Mandatory publications

General publications
Background: what do we publish?

- **Official Journal of the European Union**
  - Five days a week in 24/23 languages (four editions a day on average!)
  - Authentic electronic OJ, signed with e-signature
  - 443,079 public procurement notices in 2013
  - Consolidation of EU Law (modifications...)

- **General publications (in paper and/or electronic versions)**
  - 9,154 titles in 2013, in more than 50 possible language versions (including Arabic, Chinese, Japanese, Russian)
  - Variety of formats, themes, purposes and audiences
Access to European Union law: eur-lex.europa.eu

Quick access to
- The authentic electronic Official Journal
- Legal acts and information about them, displayed in up to three languages simultaneously
- Legislative procedures, giving a view on the life of a legal act
- Directories of legislation and case law

Powerful search options and easy navigation
- A personal space to save your items, searches and RSS feeds
- Free reuse of the entire contents of the database
All the publications you are looking for: bookshop.europa.eu

- Single online access to all official publications ever published by the European Union institutions, agencies and other bodies

- Digital library of EU publications dating to 1952: Now about 100,000 titles and around 190,000 corresponding electronic versions (also in PDF, eBook, DVD...)

- In 2013, 1.8 million visits, 1.1 million titles downloaded (PDFs and eBooks)

- Print-On-Demand (against payment) for out-of-stock titles
CORDIS

Find your way through European research: cordis.europa.eu

Community Research and Development Information Service

- To facilitate participation in the activities of European research
- The results of projects funded by the EU
- Promotion of the dissemination of knowledge to reinforce the innovation capacity of enterprises
- Number of visits in 2013: 5.5 million
Set your sight on business opportunities: 
eted.europa.eu

- Supplement to the Official Journal (S series)
- Access to public procurement notices for public works, supplies and services - thousands of business opportunities
- In 2013 almost 13 million visits
- Calls for tenders from EU Member States, candidate countries, EEA and Switzerland
- Calls for tenders from EU institutions, agencies and other bodies

*All public administrations in Europe are obliged to publish their calls for tenders on TED (depending on threshold for contract types)*
The data of the EU institutions: open-data.europa.eu

- The single point of access to a growing range of data held by the EU institutions, agencies and other bodies for reuse
- Anyone can easily search, access, download and reuse this data
- Data is free to use and reuse for commercial or non-commercial purpose
- To facilitate reuse, the portal also offers functionalities for linking data
- 6 500 datasets (1 March 2014)
Background: our various roles

- Publisher
- Bookshop (→ EU Bookshop)
- Digital library (→ EU Bookshop)
- Access to law provider (→ EUR-Lex)
- Research & development information service (→ Cordis)
- Business opportunities provider (→ TED - tenders electronic daily)
- Data provider (→ European Union Open Data Portal)
- Publications' archive (physical and digital)
- Identifiers provider (→ ISBN, ISSN, DOI)
Background: identifiers provided by Publications Office is an official agency for:

- ISBN
- ISSN
- DOI
DOI at the Publications Office:

- Registration Agency since 01/08/2004

- DOIs assigned to two main content streams:
  - General Publications
  - Journal Articles

- Total number of DOIs assigned to date: > 1 000 000
DOI at the Publications Office: General Publications

- Centralised service
- Assigned to all general publications which also have an ISBN (i.e. monographs)
- Each language version/support has its own DOI
- Resolution: to the linguistic version-specific page on EU Bookshop
- Grammar used for DOI: dumb number (e.g. 10.2777/94345)
European economic forecast
Spring 2012

Renewed tensions in sovereign-debt markets, high oil prices and decelerating world output growth have all contributed to a sharp loss of confidence towards the end of 2011 and the subsequent output contraction in the EU. Strong policy actions and major advancements in the EU institutional framework have averted a far worse outcome and brought about an easing of financial market tensions as well as a stabilisation in confidence at the beginning of 2012. However, looming uncertainty about economic prospects, re-ignited stress in sovereign-bond markets and concerns about the banking sector are still weighing on economic and financial conditions, albeit with large cross-country divergences.
Advantages:

- Assigned early in the production process
- Authors have reliable, persistent identifier to use in mailings, communications, etc
- Improves citation of EU output
- Link appreciated by re-users/aggregators of our metadata
DOI at the Publications Office: Journal Articles

- DOI recommended identifier within the open access/research field

OpenAIRE

Let us know of all publications that are linked to the EC-FP7 projects

- If you know the DOI of your publication(s) you can easily find and link to one or more FP7 projects.
- If you know that your publication has been deposited in an OA repository and still you cannot find it in OpenAIRE, find it through our DRIVER interface (indexing 5mi of OA publications) and link it to one or more FP7 projects.

Associated repositories also recommend DOI, e.g. ZENODO

ZENODO (http://zenodo.org/) is a new simple and innovative service that enables researchers, scientists, EU projects and institutions to share and showcase multidisciplinary research results (data and publications) that are not part of existing institutional or subject-based repositories.

ZENODO enables researchers, scientists, EU projects and institutions to:

- easily share the long tail of small research results in a wide variety of formats including text, spreadsheets, audio, video, and images across all fields of science;
- display and curate their research results and get credited by making the research results citable and integrate them into existing reporting lines to funding agencies like the European Commission;
- easily access and reuse shared research results.

ZENODO assigns all publicly available uploads a Digital Object Identifier (DOI) to make upload easily and uniquely citeable.
DOI at the Publications Office:
Journal Articles
Horizon 2020

What information needs to be included with the deposited publication?

In order to ensure the acknowledgment of EU funding and maximise the discoverability of publications, you need to include bibliographic metadata as part of the publication record. It must include:

- the terms ["European Union (EU)" and "Horizon 2020"] ["Euratom" and "Euratom research and training programme 2014-2018"]
- the name of the action, acronym and grant number
- the publication date, and length of embargo period if applicable and a persistent identifier (eg a DOI)
DOI at the Publications Office: Journal Articles

- Current focus on online journal articles
- Technical infrastructure established for interoperability with CrossRef
- Resolution: usually directly to content
- Grammar used for DOI:
  - solution adapted to individual requirements of author/journal
  - apply guidelines of CrossRef/DataCite where possible
  - examples:
    - 10.2902/1725-0463.2009.04.ART15
    - 10.2903/J.EFSA.2014.3882
    - 10.2807/1560-7917.ES2014.19.9.20720
DOI at the Publications Office:

Journal Articles

Advantages:

- Identifies content not held by OP
- Decentralised service permitting individual author services to handle their own registrations
- Ensures integration of EU content in wider research world
- Provides access to CrossRef services through Publications Office
DOI at the Publications Office:

Possible Evolutions

- And beyond ...

- Update of General Publications service to deliver link direct to content

- Possibility to assign DOIs to EU datasets
  - incl. creation of links between publications and datasets

- Integration of DOI and ISBN into a single citable identifier (ISBN-A)

- Exploring further connections/links with ISNI, ORCID, FundRef, etc
Thank you!