

What we will cover

- 1. CrossRef, who we are
- 2. CrossRef DOIs for Reference Linking
- 3. Additional Services
 - CrossRef Multiple Resolution
 - CrossRef Metadata Services
 - CrossRef Text and Data Mining services
 - FundRef funder information
- 4. CrossCheck plagiarism screening
- 5. CrossMark publication record
- 6. Optional services
 - CrossRef Cited-by Linking
- 7. Administration, Looking Forward, and Wrap-up



CrossRef Basics

and some surprising things you may not know



6-Word Mission

Improving scholarly communication through community collaboration



- The organization
- Some facts and figures
- DOIs where it all started
- Using the CrossRef system
 - Things you may not know ...



CrossRef
Who we are, where we came from



Where we came from

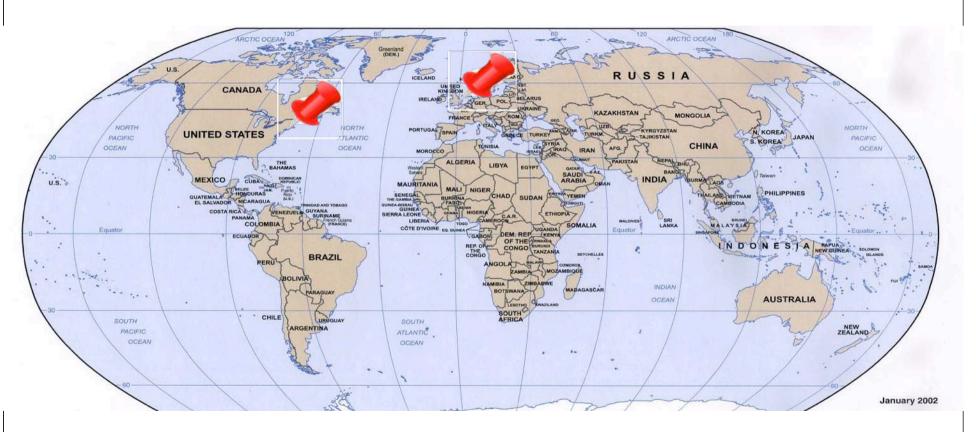
2000 – CrossRef Founded

 A not-for-profit trade association of global scholarly publishers



We have two offices:

Lynnfield, MA, USA Oxford, UK



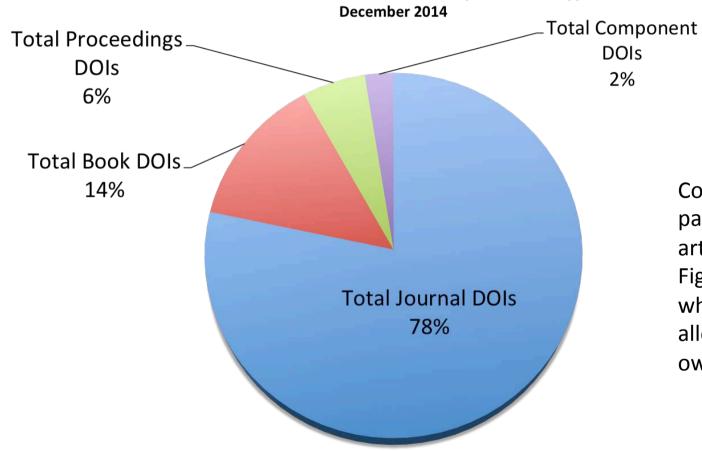


Statistics

Statistics, March 2015	
Total number participating publishers	5,945
Number of journals covered	38,288
Number of DOIs registered	72,733,198
Number of DOIs deposited last month	469,198
DOI resolutions (end-user-clicks) last month	117,830,222

CrossRef Isn't Just for Journals

Distribution of CrossRef DOIs by Content Type

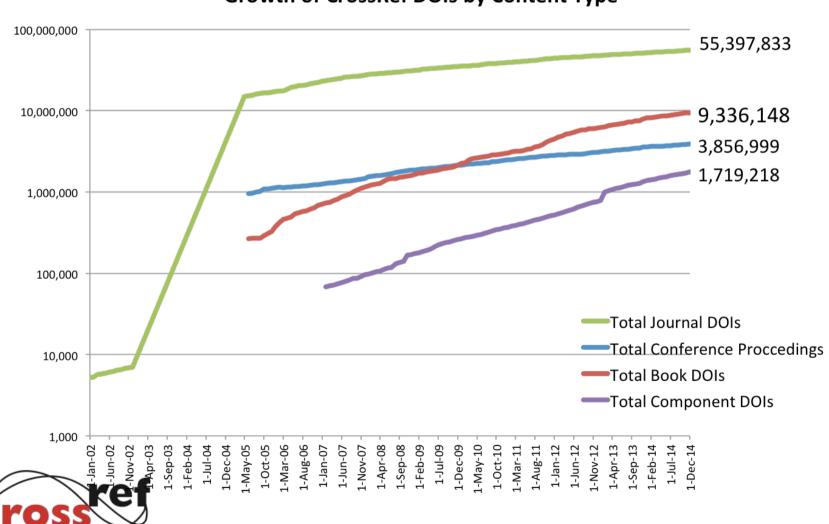


Components are parts of an article (e.g. Figures, tables) which are allocated their own DOI



Books and other components are the fastest growing content type at CrossRef

Growth of CrossRef DOIs by Content Type

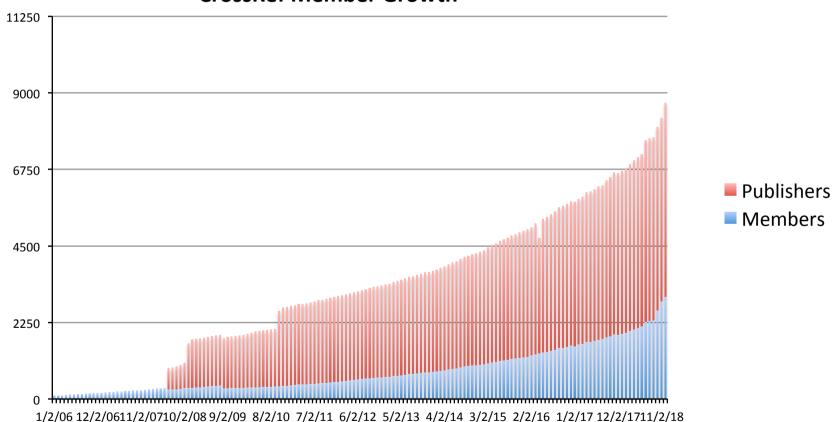


Members



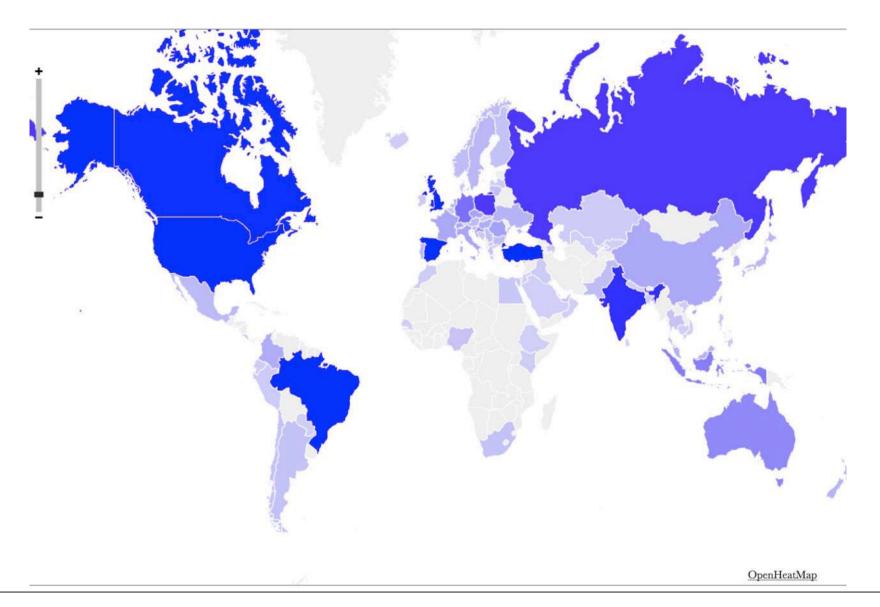
CrossRef Has 3004 Members, Representing 5696 Publishers

CrossRef Member Growth





Members come from 81 Countries



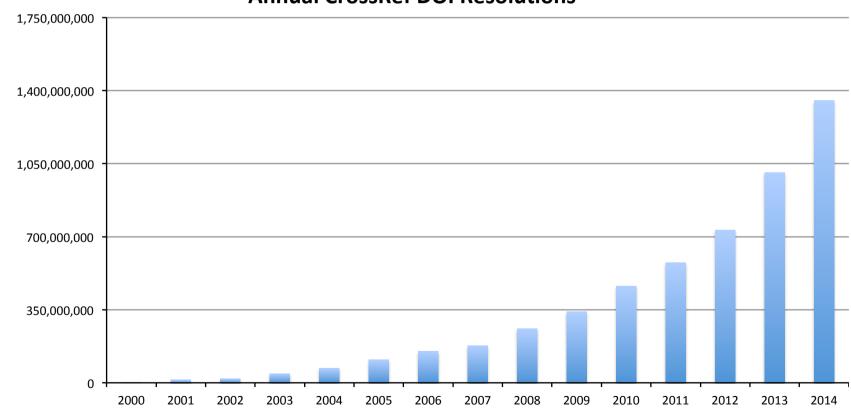
30 Member Publishers in China

- Acta Ecologica Sinica
- Asian Pacific Journal of Tropical Medicine Press
- Binary Information Press
- Biodiversity Science
- China Communications Magazine, Co., Ltd.
- China Journal of Chinese Materia Medica
- China Science Publishing & Media Ltd.
- Chinese Birds (Press)
- Chinese Journal of Mechanical Engineering
- Chinese Journal of Plant Ecology
- Editorial Department of Engineering Sciences
- Editorial Office of Chinese Journal of Cancer
- Editorial Office of Earth Science
- Hong Kong STM Publishing Co., Ltd.
- Institute of Electronic and Information Technology (IEIT)
- Journal of Applied Optics
- Journal of Biomedical Research
- Journal of Chinese Pharmaceutical Sciences

- MECS Publisher
- Publishing House of Pharmaceutical Care and Research
- Scidea Ltd.
- Science China Press., Co. Ltd.
- Shanghai Institute of Ceramics
- Shanghai Institute of Optics and Fine Mechanics
- Shanghai Institute of Organic Chemistry
- The Chinese Society of Theoretical and Applied Mechanics (CSTAM)
- West China College of Stomatology, Sichuan University Press
- World Journal of Emergency Medicine
- World Journal of Traditional Chinese Medicine
- Zhejiang University Press

We generate well over a **billion** annual "clicks" to our member publishers' sites

Annual CrossRef DOI Resolutions





Who can participate?

- Any scholarly publisher of primary content that abides by the member rules can be a Member
- Sponsoring members
 - Some organisations act on behalf of their members: i.e.
 Deposit CrossRef DOIs, maintain metadata, etc.
- Any other organization must be an affiliate



What are the rules?

- Add outbound reference links
- Deposit all current journal articles
- Resolve CrossRef DOI conflicts
- Update metadata, especially URLs
- Do not publicize CrossRef DOIs until links are live
- Make plans for long-term archiving
- Do not use identifiers that look like DOIs but are not registered anywhere!



Make plans for long-term archiving



CLOCKSS: http://clockss.org

Archived In



Portico: http://www.portico.org



 Koninklijke Bibliotheek
 National Library of the Netherlands: http://www.kb.nl/



- Journal publishers?
- Commercial publishers?
- Subscription publishers?
- English-language publishers?
- Large publishers who can work in XML?



- Journal publishers?
 - NO!
 - You can assign CrossRef DOIs to any permanent scholarly literature
 - Books, book chapters, and reference entries
 - Datasets
 - Conference proceedings
 - Theses
 - Reports
 - Standards
 - Web content
 - Figures, tables or other components of any of the above types
 - Any primary publisher of scholarly content can join CrossRef



- Commercial Publishers?
 - NO!
 - 75% of CrossRef members are not-for-profit



- Subscription Publishers?
 - NO!
 - Publishers can use any business model (subscription, free, Open Access, etc.)
 - But the DOI must link to at least the bibliographic metadata
 - And explain how to access the full content



- English-language publishers?
 - NO!
 - CrossRef DOIs can be assigned to content in any language
 - CrossRef interfaces and support are only available in English. Sponsoring organizations such as ISTIC may be able to help with local language support
 - There are other Registration Agencies that assign
 DOIs for content only in Japanese and in Chinese



- Large publishers who can work in XML?
 - NO!
 - We have tools to help smaller publishers



Why do publishers join CrossRef?

- To get persistent identifiers for their content
- To drive more traffic to their content
- To turn references into hyperlinks
- To participate in other collaborative services
 - Multiple Resolution
 - CrossRef Metadata Services
 - CrossRef Cited-By Linking
 - CrossCheck plagiarism check
 - CrossMark publication record
 - FundRef funding data
 - CrossRef Text and Data Mining services



What does it cost?

- Annual membership fee
 - Based on annual publishing turnover/revenue
 - from \$275 for revenue < \$1 million
 - to \$50,000 for revenue > \$500 million
- Deposit fee per DOI registered
 - Max. \$1 per item (i.e. current journal articles)
 - min. \$0.06 per item (i.e. datasets, components)
- Other services may have additional charges



Affiliates and sponsoring members



What is an Affiliate?

 A member organization that uses CrossRef but does not assign DOIs to primary content

 For example: Bowker receives metadata from CrossRef to inform its library services



Types of organizations that are CrossRef Affiliates

- Libraries
- Secondary (A&I publishers)
- Publishing and library vendors
 - Hosting platforms
 - Link Resolvers
- Providers of tools
 - Discovery
 - Reference management
 - Metrics



How do affiliates participate?

- Free query accounts
- They may be service providers
 - Can deposit DOIs and metadata
 - Can query the system on behalf of of members
 - E.g. Aries (content management organisation) submits
 DOIs on behalf of customers
- They may use CrossRef metadata to provide services
 - E.g. Altmetric uses CrossRef data to provide usage statistics for publications
- And in other ways ...



30 Library Affiliates in China

- Tsinghua University Library
- National Library of China
- Beijing Jiaotong University Library
- Beijing Normal University
- Beijing University of Technology Library
- Beijing Institute of Technology
- National Science and Technology Library
- Capital Medical University Library
- Patent Documentation Department, State Intellectual
 Shanghai Jiao Tong University Property Office of People's Republic of China
- Library of Chinese Academy of Medical Sciences
- The Institute of Medical Information and Library, Chinese Academy of Medical Sciences
- Beijing University of Aeronautics and Astronautics
- Beijing International Studies University
- Beijing Foreign Studies University Library
- Sichuan University Library
- Library of UESTC
- Guizhou University Library

- The Center of Physical & Chemical Science (USTC)
- Stanley Ho Library, The Open University of Hong Kong
- University of Science and Technology of China Library
- Fo Guang University
- Technical Information Center/China Steel Corporation
- Nanjing Normal University Library
- Fudan University Library
- Shanghai Jiao Tong University Library
- Library of Shanghai Jiao Tong University Medical School
- Library of University Town of Shenzhen
- Wuhan University Library
- Xiamen University Library

Other CrossRef Organizations Operating in China

- Query Affiliates
 - Beijing Magtech
 - The Charlesworth Group
- Sponsor
 - Institute of Scientific and Technical Information of China (ISTIC)
- Sponsoring Publishers working with Chinese Publishers
 - American Institute of Physics
 - Elsevier Science
 - BioOne

What is a Sponsor?

- An organization that assigns CrossRef DOIs and creates outbound reference links for other publishers
 - Sponsoring Publishers are members with their own content who also work on behalf of Sponsored Publishers
 - Sponsoring Entities are affiliates working on behalf of Represented Members
- Sponsors pay CrossRef deposit fees on behalf of their publishers
 - Sponsors pay one annual fee based on the combined publication revenue of all their publishers



Sponsors in Asia

- Airiti, Inc.
- Inforang, Ltd.
- Informatics Publishing
- Institute of Scientific and Technical Information of China (ISTIC)
- Japan Science and Technology Agency (JST)
- Korea Scholar
- Korean Association of Medical Journal Editors (KAMJE)
- Korean Institute of Science and Technology Information (KISTI)
- Korean Studies Information (KSI)
- Kyobobook Center
- M2 Communications
- National Research Foundation of Korea
- Nurimedia Co., Ltd.



Find out more ...



Meeting CrossRef

- Annual Meeting alternates between Cambridge,
 MA in the US and London, UK
 - November 17-18, 2015, Boston, MA, USA
 - http://www.crossref.org/annualmeeting/index.html
- Other meetings and conferences
 - Slides available at Slideshare
 - http://www.slideshare.net/CrossRef
 - And on YouTube
 - https://www.youtube.com/user/CrossRefNews
- "The CrossRef Experience"



If you can't meet us in person send us email

- Support Team <u>support@crossref.org</u>
- Membership Team <u>info@crossref.org</u>
- Billing Team <u>billing@crossref.org</u>
- Marketing Team <u>info@crossref.org</u>

