The Charlesworth Group Digital Workflow Overview

SciELO, Editors Meeting Thursday, July 12, 2012



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Agenda

- ✓ Explain who we are
- ✓ Explain and show digital workflows (and their benefits to you)
- ✓ Listen and get to know you



The Charlesworth Group

A family firm, founded in 1928, specializing in:

- Innovation: Production workflow & publishing services
- Globalization: Sales & strategy for the China market
- <u>Editing & Education</u>: For authors & publishers

With offices in







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Sample of our clients

- Professional Societies
- Associations
- Not-for-Profits
- University Presses
- Commercial Publishers

Following the recent publication of the Special Libraries Association (SLA) Biomedical and Life Sciences Division Top 100 Journals,

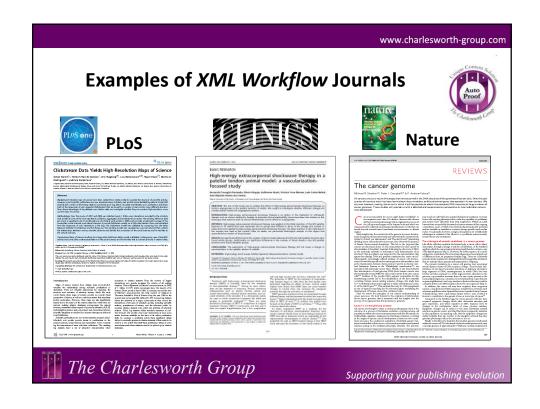
Charlesworth represents 1/3 of Top 100 Journals in Biology and Medicine List

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- AAPH (American Association of Public Health
- ACP (American College of Physicians)AGU (American Geophysical Union)
- Allen Press Inc
- AMA (American Medical Association)
- ASCO (American Society of Clinical Oncology)
- ASN (American Society for Nutrition)
- ASPB (American Society of Plant Biologists)
- Chinese Journal of Oceanography
- Clinics Journal
- CrossRef
- ESA (Ecological Society of America)
- GSA (Geological Society of America)
- IMF (International Monetary Fund)
- NPG (Nature Publishing Group)
- NEJM (New England Journal of Medicine)
- NASP (National Association of School Psychologists)
- Maney Publishing
- MedicalSphere Publishing Inc
- PLoS (Public Library of Science)
- PNAS (National Academy of Sciences)
- Purdue University Press
- Royal Society of Chemistry
- SGM Society of General Microbiologists
- Columbia University Press
- United Nations Press
- World Bank



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3 Ways we can work with you

- As a service provider, we create pages/layout/XML, from author manuscript to completed pages and online XML
- 2. Cloud based interactive workflow, you can use system/technology and create pages yourself
- 3. XML only creation from completed paged PDF's from you

The underlying technology and process is similar



A few fundamentals: XML

eXtensible Mark-up Language (XML) is a set of "tags" that put codes around content in a simple way that is readable by both machines and humans.

XML is applied according to a set of industry-wide standard rules that allow each part of a document to be identified in a structured way that makes information simple to find and use on the Internet.

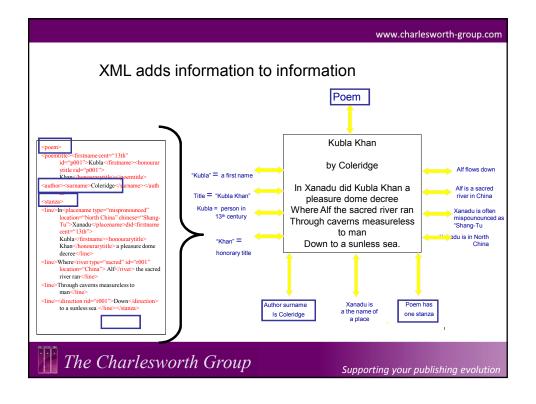
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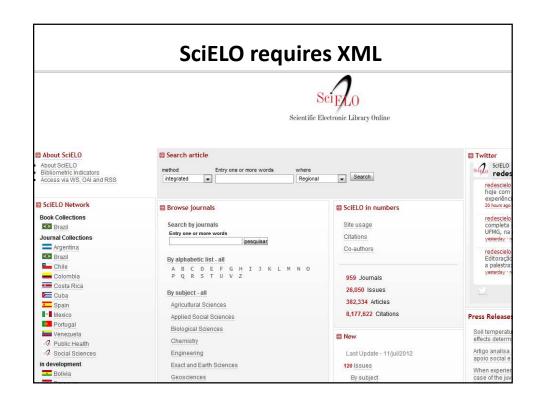


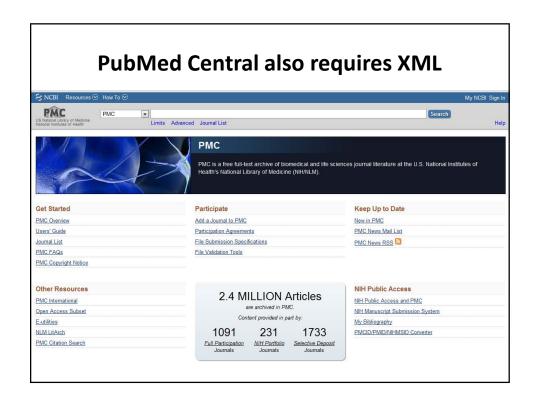
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www.charlesworth-group.com HTML A set of tags and rules that describe how data displays <h1> Kubla Khan </h1> by Coleridge In Xanadu did Kubla Khan a pleasure dome decree
 by Coleridge Where Alf the sacred river ran
 Through caverns measureless to man

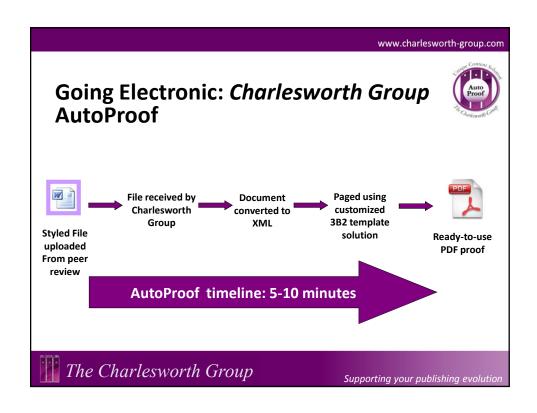
br> Down to a sunless sea. Kubla Khan by Coleridge In Xanadu did Kubla Khan a pleasure dome decree Where Alf the sacred river ran Through caverns measureless to man Down to a sunless sea · There is a heading • The heading is followed by two paragraphs · The second paragraph has three line breaks in it The Charlesworth Group Supporting your publishing evolution

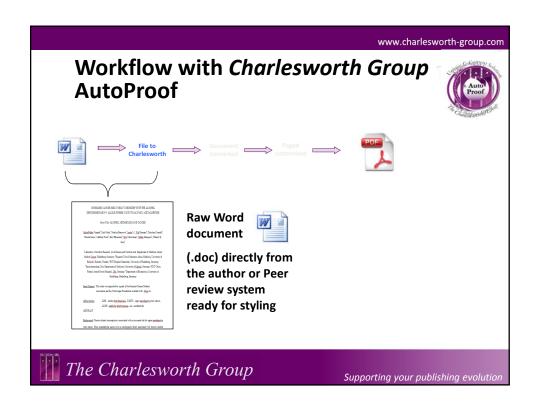


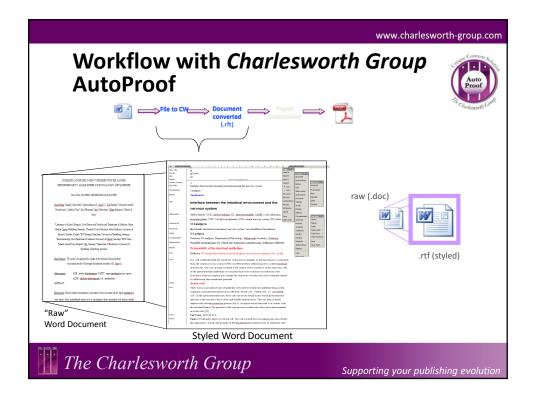


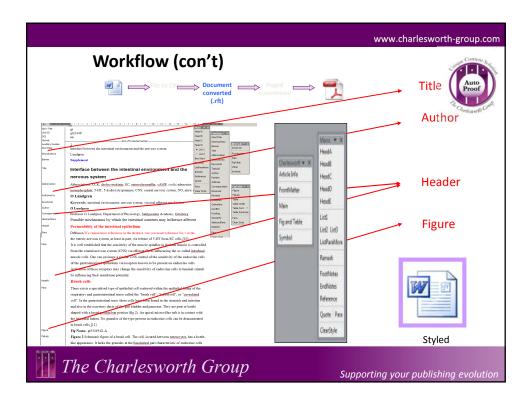


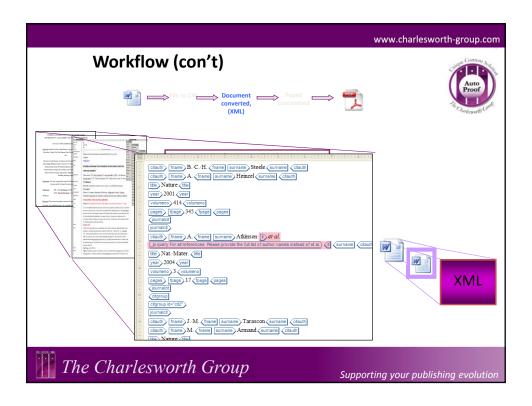


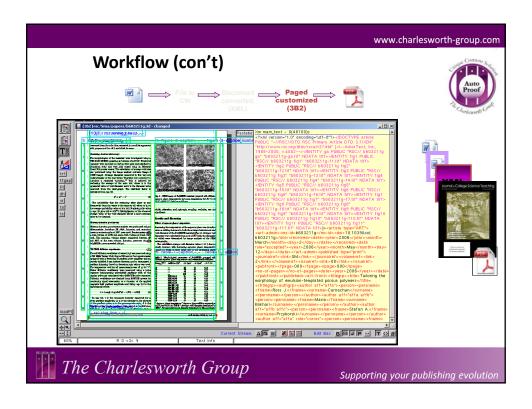


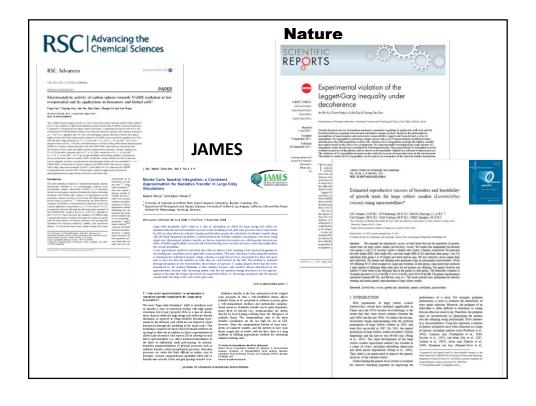


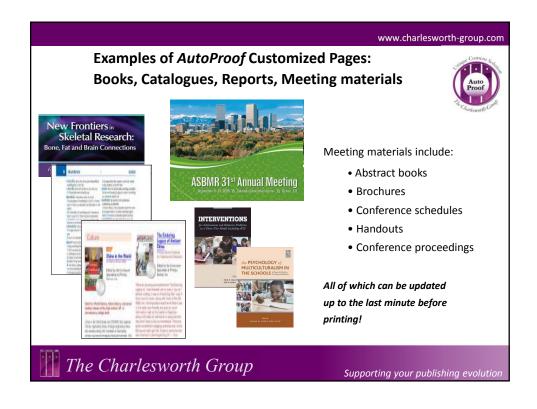


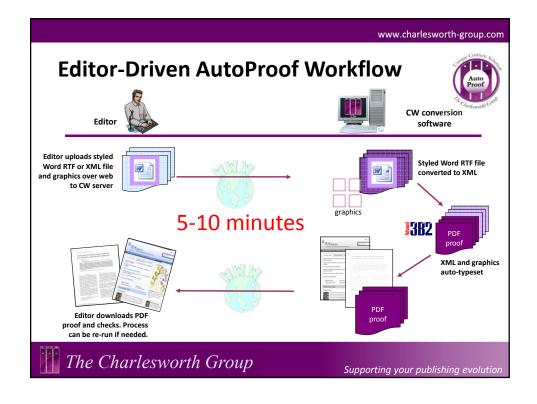


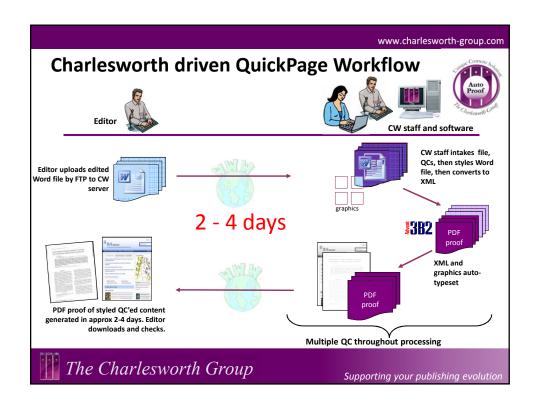


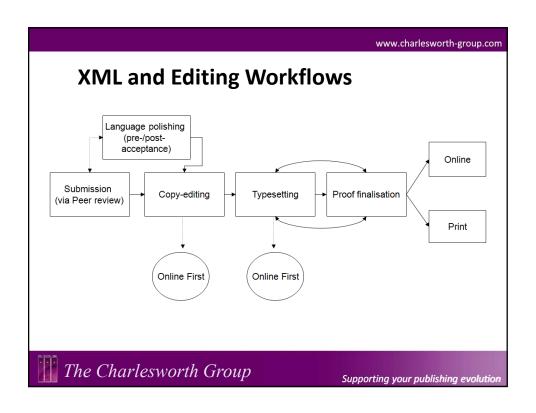




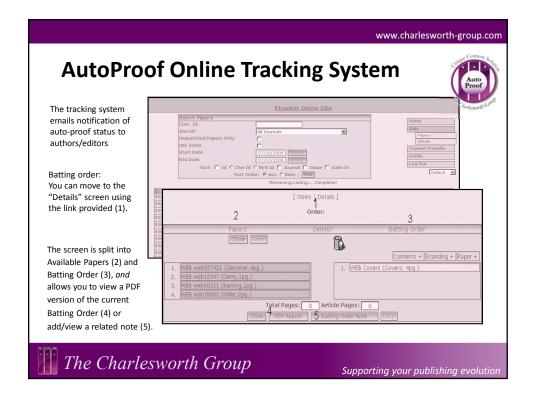


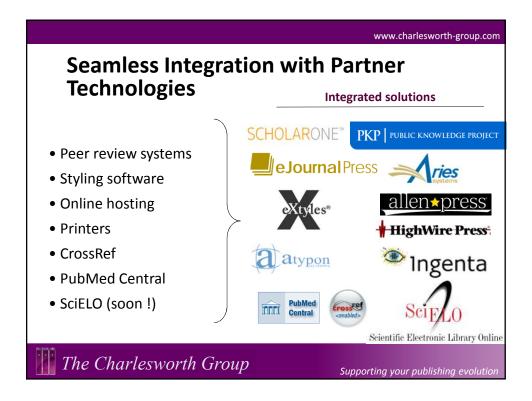


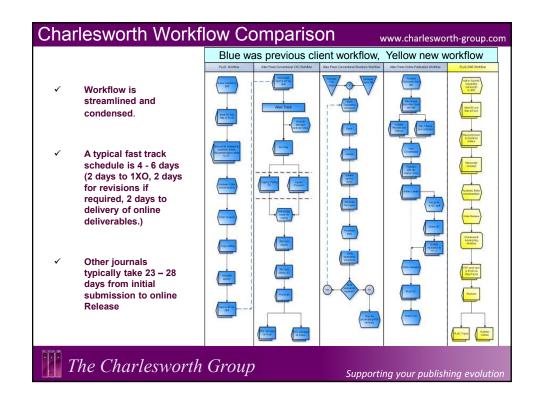












Applications and Developments

- Automatic generation of table of contents & index from XML
- Author proofing of link to PDF from XML, and reminder emails, checking if downloaded
- PDF XMP tagging, ePub creation
- Creating XML in multiple DTD's (formats), HTML/HTML5
- Reference linking and checking
- · Online author corrections





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XMP Specification for PDF



Sample XMP Packet – AOP Article (No Enumeration)

A sample XMP packet is shown below with the logical property sections indicated by numerals $\supseteq - \in$. In this example, ' \blacksquare ' represents the Unicode "zero width non-breaking space character" (U+FEFF) used as a byte-order marker. The padding must be XML-compatible whitespace; the recommended practice is to use the ASCII space character (U+0020) in the appropriate encoding, with a newline about every 100 characters.

```
<ppe
<pre>

<pp>

<pp>

<pp>
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<ppe
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<ppe
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OAI-PMH is the Protocol for Metadata Harvesting which comes from the Open Archives Initiative.

 $http://blogs.nature.com/wp/nascent/2008/12/xmp_labelling_for_nature.html \\ http://network.nature.com/people/mfenner/blog/2009/05/25/oai-pmh-interview-with-tony-hammond \\ http://network.nature.com/people/mfenner/blog/2009/05/25/0ai-pmh-interview-with-tony-with-tony-with-tony-with-tony-with-tony-with-tony-with-tony-with-tony-with-tony$



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ePub

- "a single digital publication file for unencrypted reflowable digital books and other publications"
- Open standard moderated by IDPF
- XML based, an ePub publication can be thought of as
- a "website in a box"
- ePub Readable across numerous devices...
- iPad/iPhone, Sony eReader, Nook etc, Adobe Digital Editions ... ePub3 major enhancements







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What authors think

Royal Society of Chemistry, author quote after trying out new RSC Project Prospect XML and semantic tagging

'It was like a researchers Aladdin's cave...
...it was fantastic to dig around the subject area and discover things I never knew existed.
My only criticism would be the need for a time warning! I spent 4 hours digging about which generated at least six new research ideas, printed half a ream of paper and I missed my bus home...'

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What authors think

Oxford University Press Nucleic Acids Research, Open Access author survey

Time for their research to be published online, and speed of publication were a key factor in deciding which journal to chose, not just because it is open access. Of course Impact Factor and ranking of the journal is also important!

PLoSOne growth and development, now publishing around 1000-1200 articles a month, has an impact factor of 4.092 ... Started publishing December 2006



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Additional items:

ePub, HTML and other deliverables available - more information available via SciELO



In summary:

- 1. Consistent and known process, assist with workflow and operational efficiencies
- 2. Reduced time to publish
- 3. Improved quality product, linking, design, technology
- 4. We hope helps the development of Brazilian journals and the improved dissemination of your scientific articles



