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ticTOCron: An Automatic Solution for Propagating Quality Metadata to Scholarly TOC RSS Feed Metadata

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This talk is about:

- Getting good use out of **TOC RSS** feeds



- Enabling the reuse of **TOC RSS** feeds



TOC: Table of Content

RSS: Really Simple Syndication

Presentation Plan

- The “Context”
- “Problems”
- “Our Approach”
- How it works
- Use Cases
- Questions



“Problem” 1: Scientific Publishing



5.5 million
researchers
worldwide

(13,074 Universities)



1.4 million
papers written
annually



24,000 journals
from more than
2,000 publishers

3.5% + journals/year
3% + researchers/year

“Problem” 2: Technology

TOC

Scientific
Journals

Vol, Issue, Year

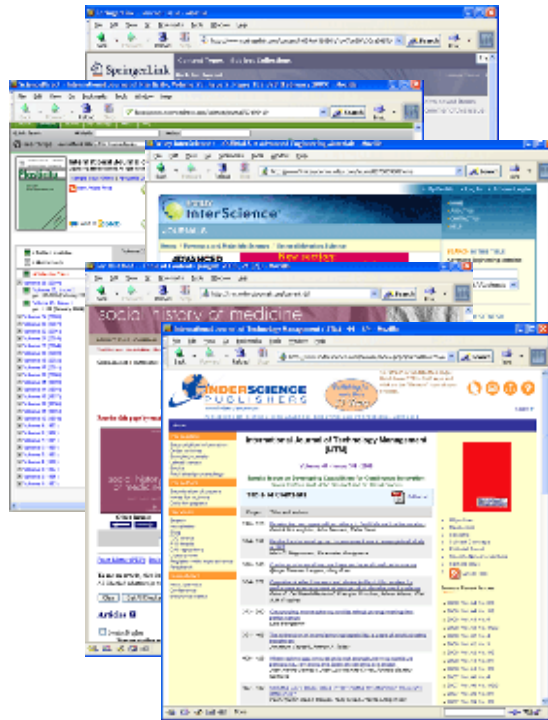


RSS



CURRENT AWARENESS

“Problem” 3: Usage (quantity)



OVERFED

16,000 RSS TOC Feeds

“Problem” 3: Usage (admin)

- Need of different “RSS Readers”
- Maintaining your own Feeds
- It can take up time to browse and search RSS feeds from different sources



It used to be the
“Lost and Found” Department

“Problem” 4: Format Inconsistencies

RSS 0.90

RSS 1.0

RSS 1.1

RSS 2.0

RSS 0.92

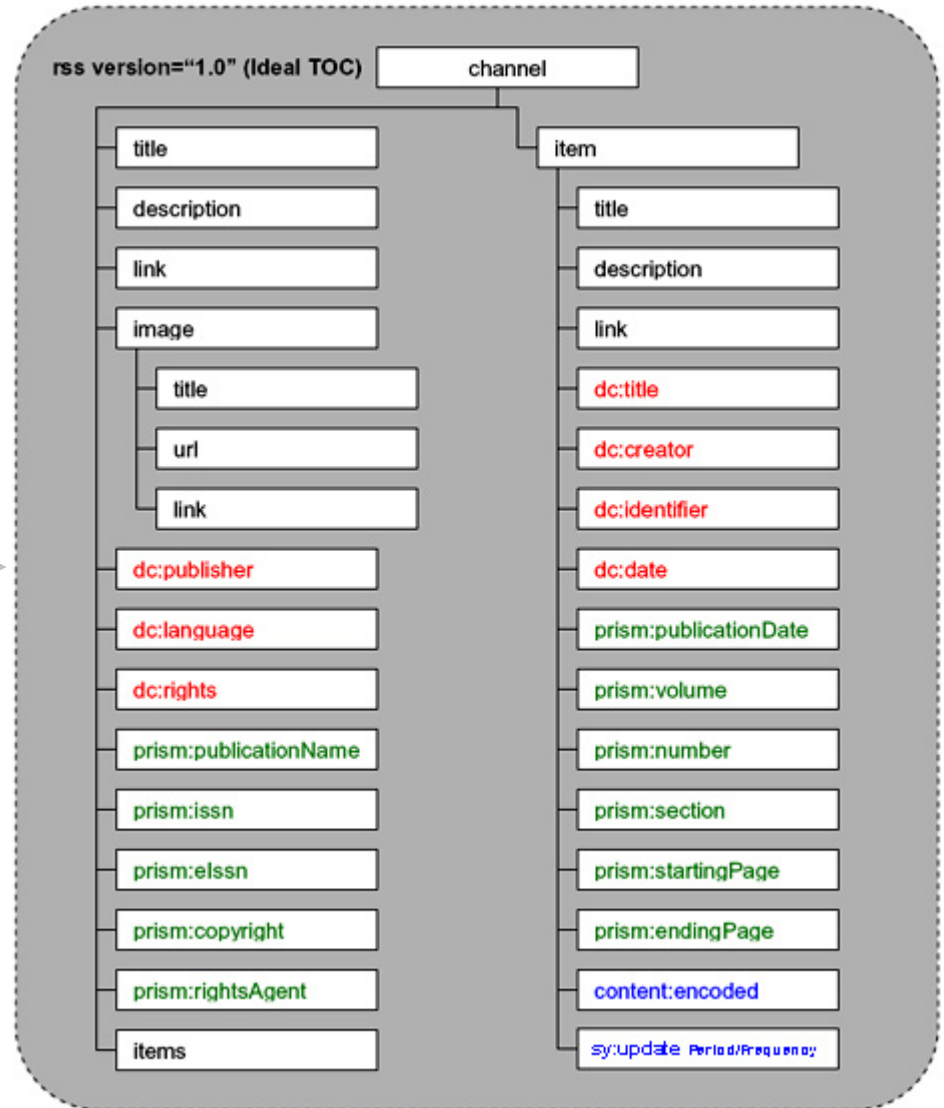
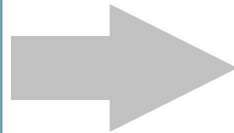
Atom

RSS 0.91

- **Title**
- Authors
- **Abstract**
- **Journal**
- Vol, Issue
- **Date**
- Pages
- **Publi sher**
- **URL**
- DOI
- **News !**
- **Jobs !**

“Our Approach” 1: Define a “Best Practice” schema

- **Title**
- Authors
- **Abstract**
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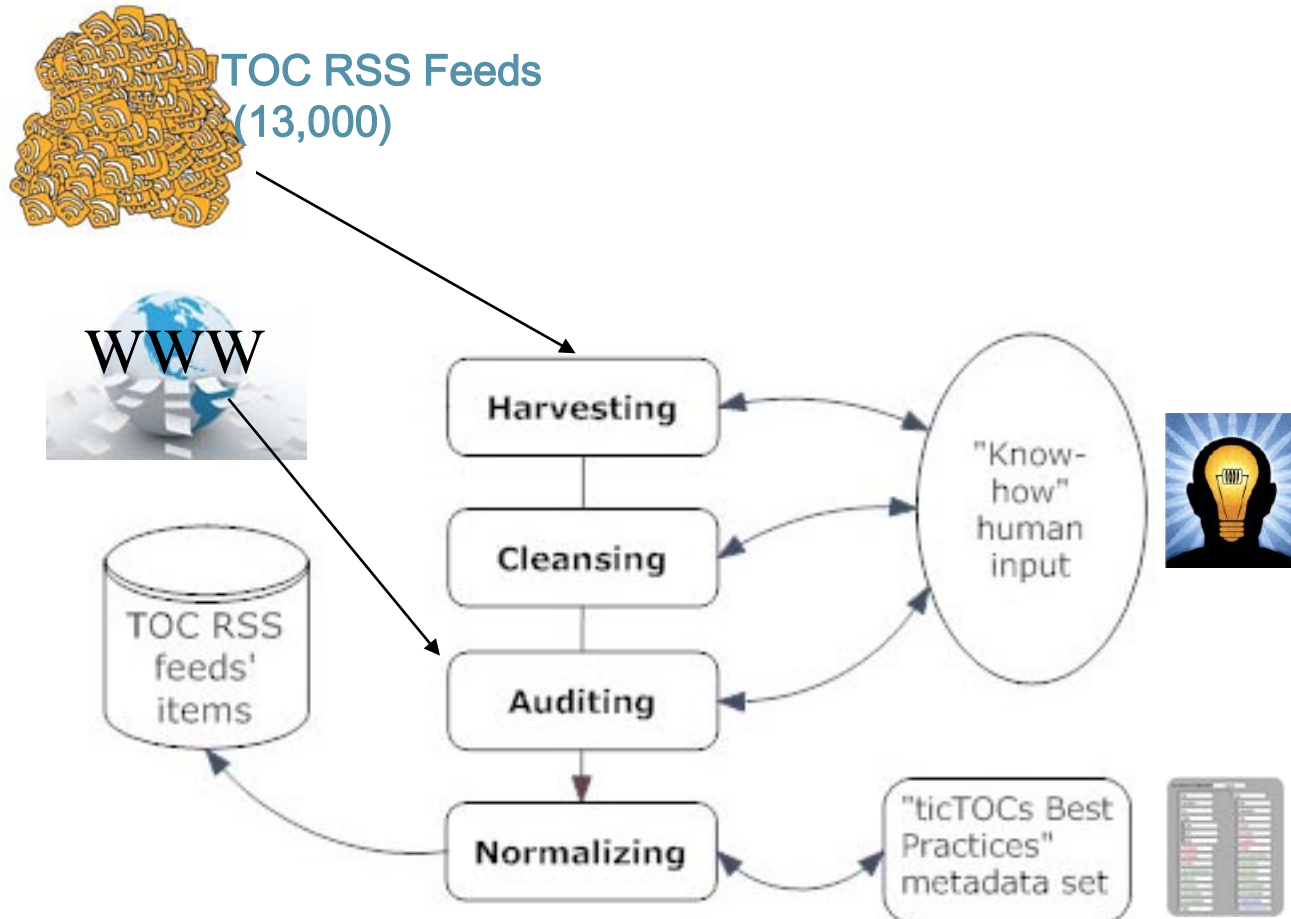


“Our Approach” 2: Implement the “Best Practice”

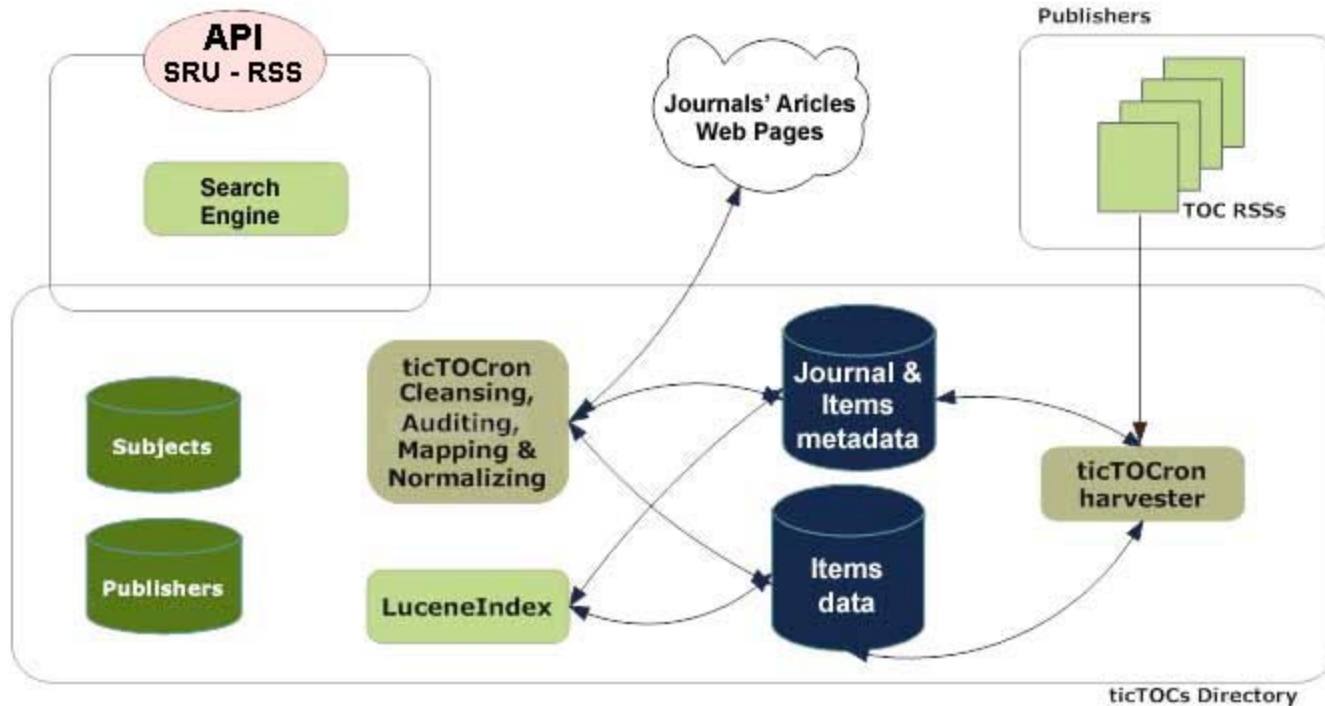


From a diversity of feeds to a normalized feed

How it works 1: Based on Berson's Methodology and Metadata Quality Propagation Techniques



How it works 2: The Big Picture



ticTOCron toolkit system context



Use Case 1: Alerting IR Managers

- facility to alert IR managers when a submitted paper from their IR has been published in a scholarly journal.



Use Case 2: Localised TOC RSS for Libraries

- service or facility to generate a localised version of ticTOCs for an Institutional Library



Use Case 3: Subject or Community based TOCs

- vortal

Subject based portal

Thank you!



Any questions?