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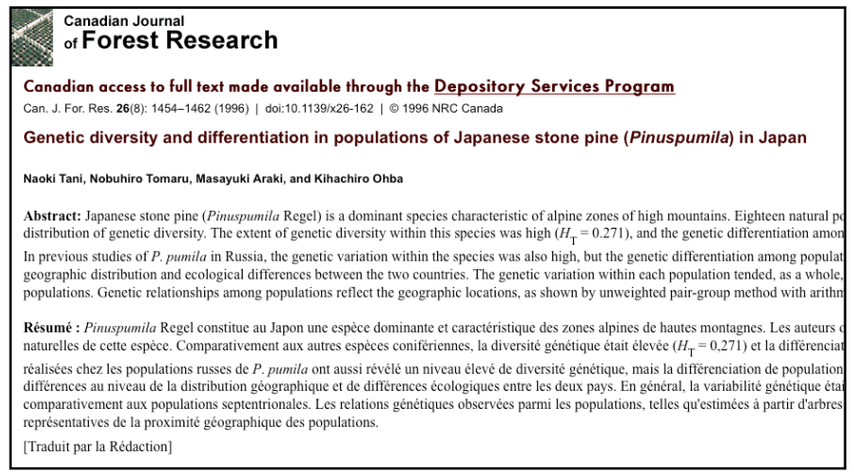

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Genetic diversity and differentiation in populations of Japanese stone pine (*Pinuspumila*) in Japan

Naoki Tani, Nobuhiro Tomaru, Masayuki Araki, and Kihachiro Ohba

Abstract: Japanese stone pine (*Pinuspumila* Regel) is a dominant species characteristic of alpine zones of high mountains. Eighteen natural po distribution of genetic diversity. The extent of genetic diversity within this species was high (H_T = 0.271), and the genetic differentiation amon

In previous studies of *P. pumila* in Russia, the genetic variation within the species was also high, but the genetic differentiation among populat geographic distribution and ecological differences between the two countries. The genetic variation within each population tended, as a whole, populations. Genetic relationships among populations reflect the geographic locations, as shown by unweighted pair-group method with arithm

Résumé : *Pinuspumila* Regel constitue au Japon une espèce dominante et caractéristique des zones alpines de hautes montagnes. Les auteurs naturelles de cette espèce. Comparativement aux autres espèces conifériennes, la diversité génétique était élevée (H_T = 0,271) et la différenciat

réalisées chez les populations russes de *P. pumila* ont aussi révélé un niveau élevé de diversité génétique, mais la différenciation de population différences au niveau de la distribution géographique et de différences écologiques entre les deux pays. En général, la variabilité génétique étai comparativement aux populations septentrionales. Les relations génétiques observées parmi les populations, telles qu'estimées à partir d'arbres représentatives de la proximité géographique des populations.

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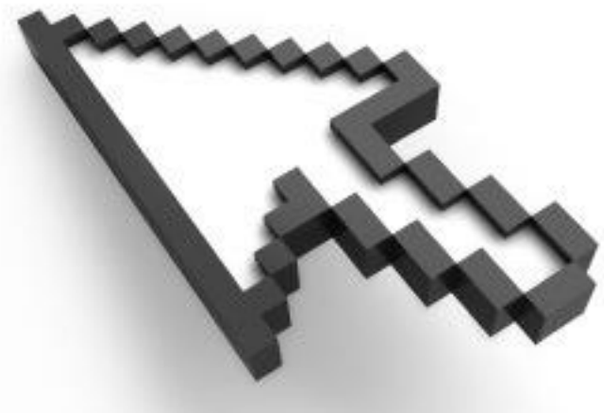

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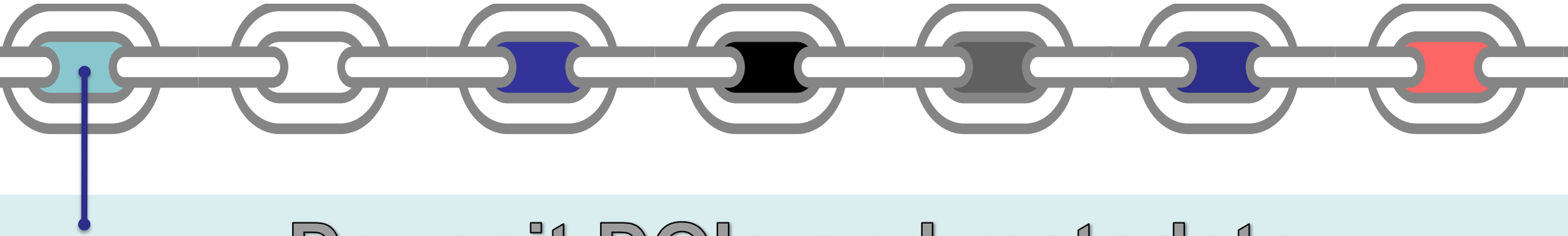

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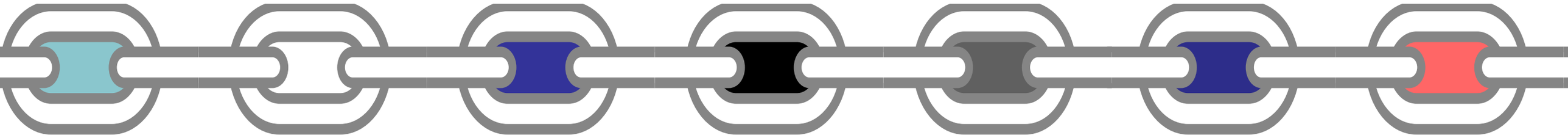

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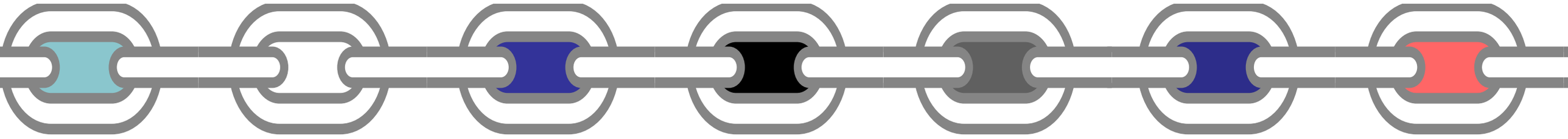

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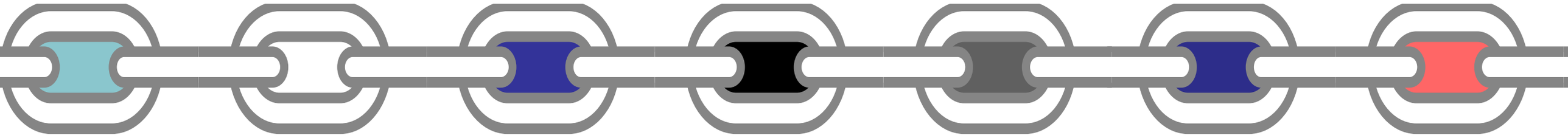

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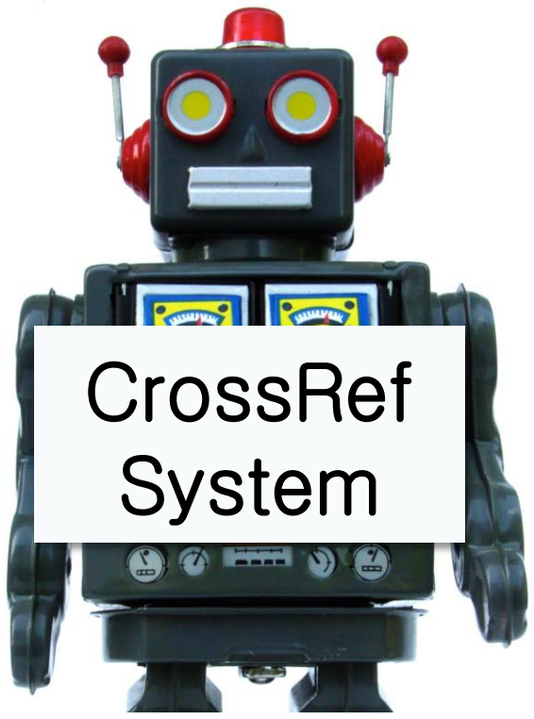

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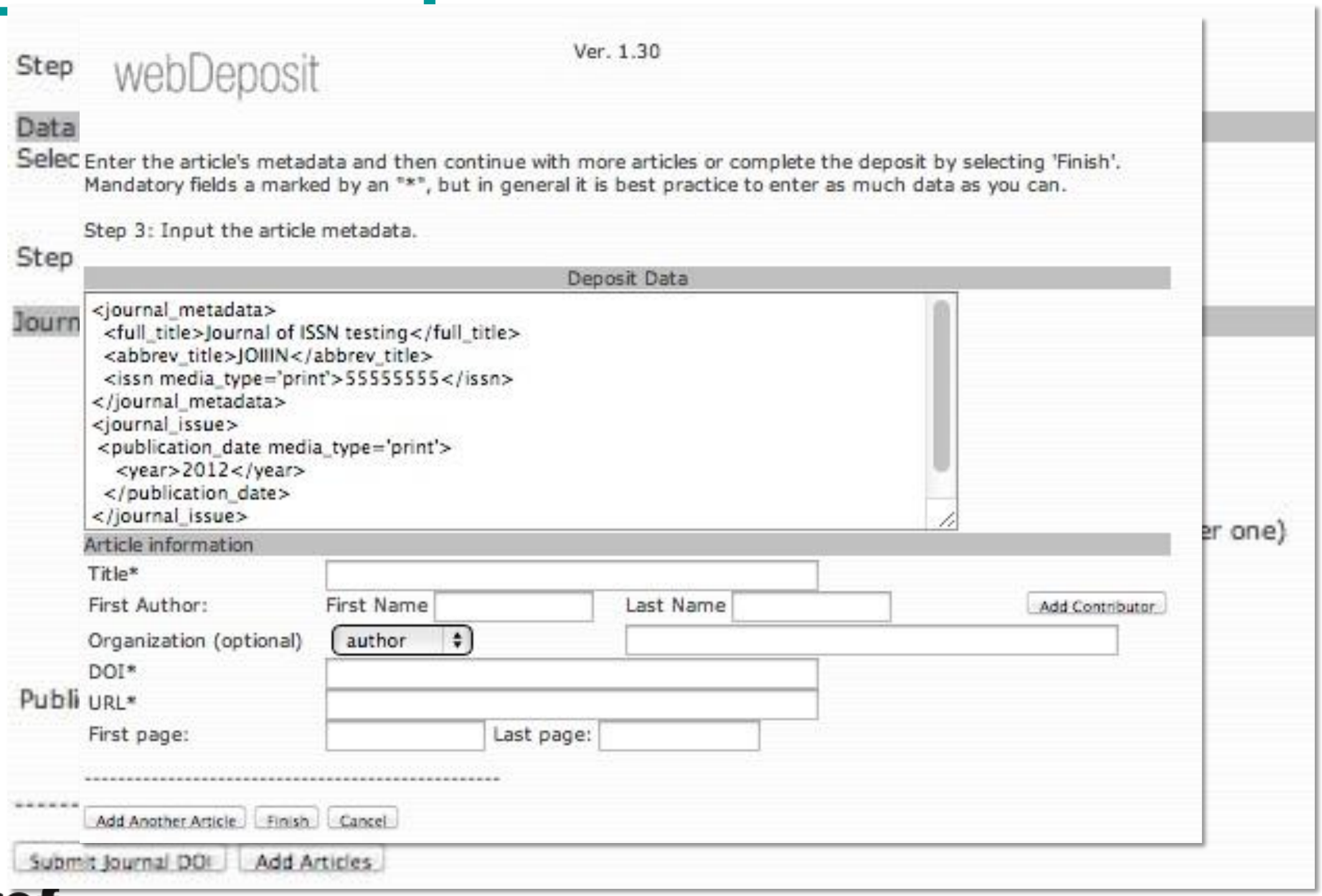
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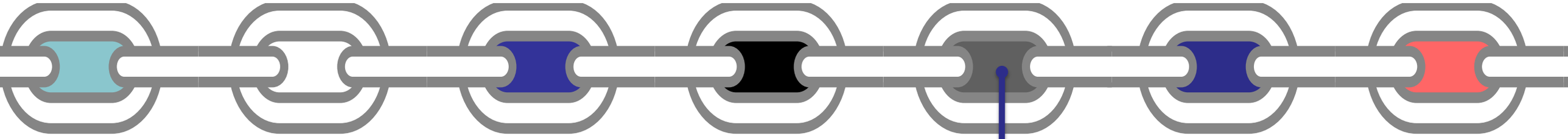

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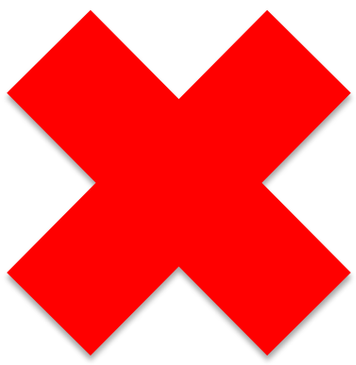

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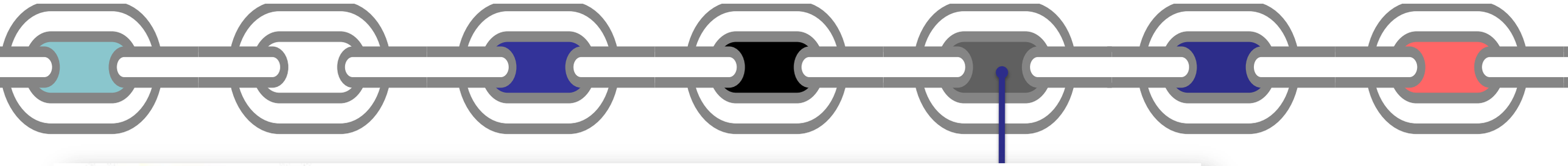

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Abstract

The promise of XML was that it would enable seamless, automated interchange of content, using standard tools, technologies, and shared XML vocabularies. The experience of many cultural memory institutions, however, makes it clear that there are limits to the interoperability of even standards-compliant XML content. This paper explores some sources of and ameliorations to this variation in the use of standard XML vocabularies.

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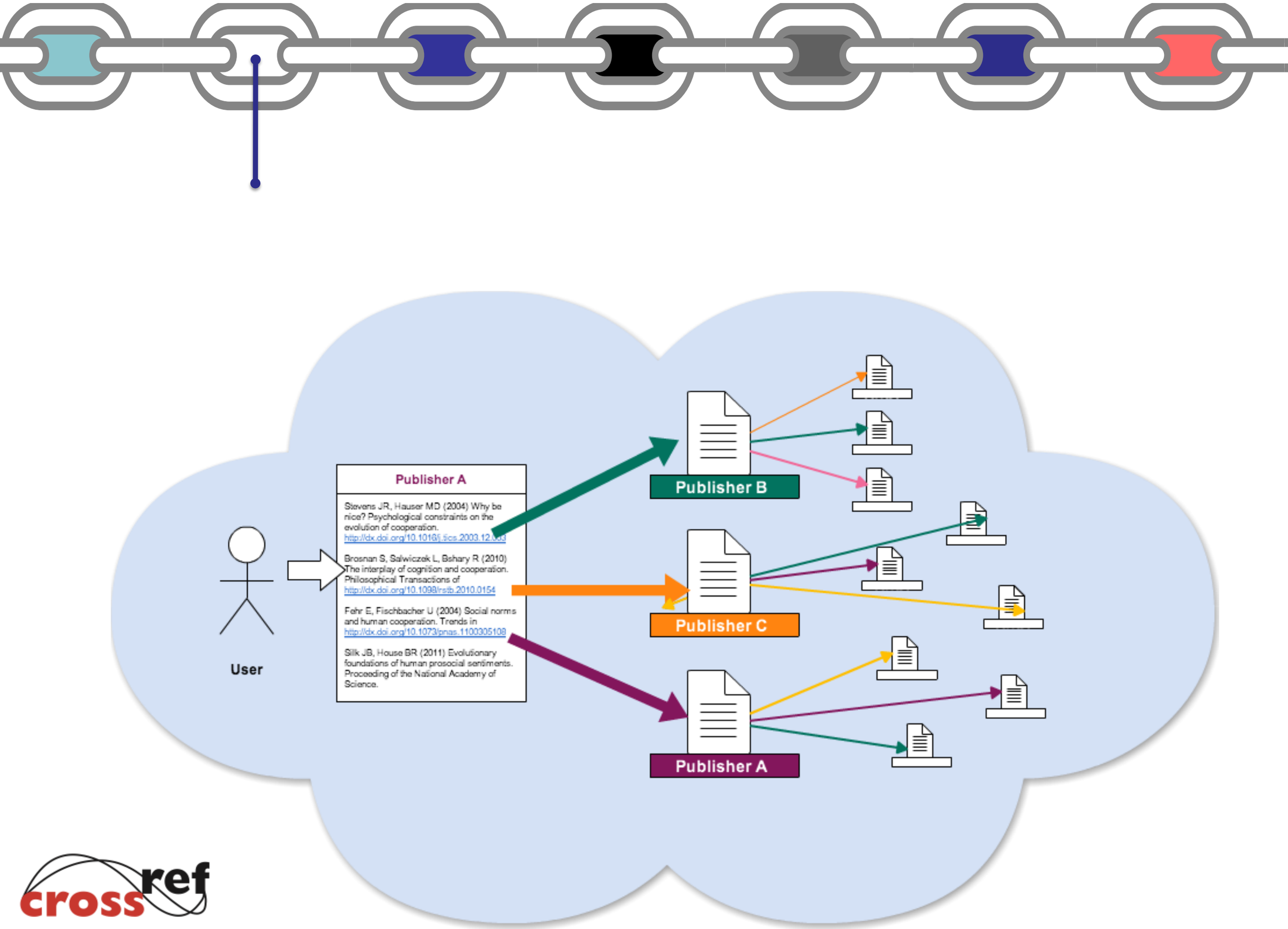
Publisher A
Stevens JR, Hauser MD (2004) Why be nice? Psychological constraints on the evolution of cooperation.
http://dx.doi.org/10.1016/j.tics.2003.12.003
Brosnan S, Salwiczek L, Bshary R (2010) The interplay of cognition and cooperation. Philosophical Transactions of
http://dx.doi.org/10.1098/rstb.2010.0154
Fehr E, Fischbacher U (2004) Social norms and human cooperation. Trends in
http://dx.doi.org/10.1073/pnas.1100305108
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Ghosh, M.K., M.L. Harter. 2003. A viral mechanism for remodeling chromatin structure in G0 cells. Mol. Cell. 12:255–260, http://dx.doi.org/10.1016/S1097-2765(03)00225-9

Ghosh, M.K., M.L. Harter. 2003. A viral mechanism for remodeling chromatin structure in G0 cells. Mol. Cell. 12:255–260, http://doi.org/bm6

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The quiescent, discrete, elongated aurora discovered by Kubota *et al.*[1], however, fit the bill. Their near co-rotation with the Earth also supports McIlwain's model, which Kubota *et al.* seem to have independently resurrected. If these findings and associations are confirmed, they could help to explain the unexpectedly strong connection between the solar wind, the aurora and the composition and electron density of Earth's upper atmosphere, even at latitudes that are nominally below the auroral oval.

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3. Wallis, D. D. *et al. J. Geophys. Res.* **84**, 1347-1360 (1979). | ISI | ChemPort |
4. Anderson, P. C. *et al. J. Geophys. Res.* **106**, 29585-29599 (2001). | ISI |
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14. Jälevik B, Norén JG, Klingberg G, Barregård L. Etiologic factors influencing the prevalence of demarcated opacities in permanent first molars in a group of Swedish children. EurJ Oral Sci 2001b; 109(4):230–4. » CrossRef

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P. Pierre and I. Mellman: Developmental regulation of invariant chain proteolysis controls MHC class II trafficking in mouse dendritic cells. Cell, 93(7), 1135-45 (1998)
http://dx.doi.org/10.1016/S0092-8674(00)81458-0 ← DOI match!

E. A. Runquist and R. J. Havel: Acid hydrolases in early and late endosome fractions from rat liver. J Biol Chem, 266, 22557-22563 (1991)
PMid:1658000

G. Lammers and J. C. Jamieson: The role of a cathepsin D-like activity in the release of Gal ? 1- 4GlcNAc ? 2-6-sialyltransferase from rat liver Golgi membranes during the acute-phase response. Biochem J, 256, 623-631 (1988)
PMid:3146977 PMCid:1135455

H. Matsuba, T. Watanabe, M. Watanabe, Y. Ishii, S. Waguri, E. Kominami and Y. Uchiyama: Immunocytochemical localization of prorenin, renin, and cathepsins B, H, and L in juxtaglomerular cells of rat kidney. J Histochem Cytochem, 37(11), 1689-97 (1989)
http://dx.doi.org/10.1177/37.11.2509552 ← DOI match!
PMid:2509552

M. R. Buck, D. G. Karustis, N. A. Day, K. V. Honn and B. F. Sloane: Degradation of extracellular-matrix proteins by human cathepsin B from normal and tumour tissues. Biochem J, 282 (Pt 1), 273-8 (1992)
PMid:1540143 PMCid:1130919

K. Roberg and K. Ollinger: Oxidative stress causes relocation of the lysosomal enzyme cathepsin D with ensuing apoptosis in neonatal rat cardiomyocytes. Am J Pathol, 152(5), 1151-6 (1998)
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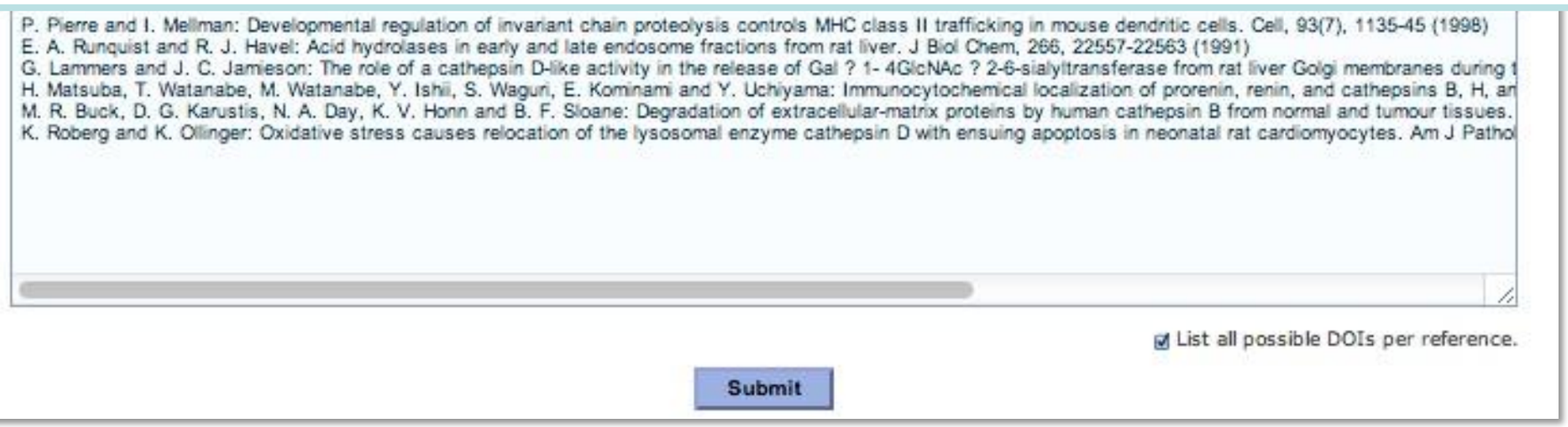

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Climatological Observations and Predicted Sublimation Rates at Lake Hoare, Antarctica

Published **Jul 1988** in **Journal of Climate** , volume **1** , issue **7** , on pages **715** to **728**

Gary D. Clow, Christopher P. McKay, George M. Simmons, Robert A. Wharton

dx.doi.org/10.1175/1520-0442(1988)001<0715:COAPSR>2.0.CO;2 More

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Published **2006** in **Limnology and Oceanography** , volume **51** , issue **4** , on pages **1801** to **1812**

Kay Vopel, Ian Hawes

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Perennially ice-covered Lake Hoare, Antarctica: physical environment, biology and sedimentation

Published **Mar 1989** in **Hydrobiologia** , volume **172** , issue **1** , on pages **305** to **320**

Robert A. Wharton, George M. Simmons, Christopher P. McKay

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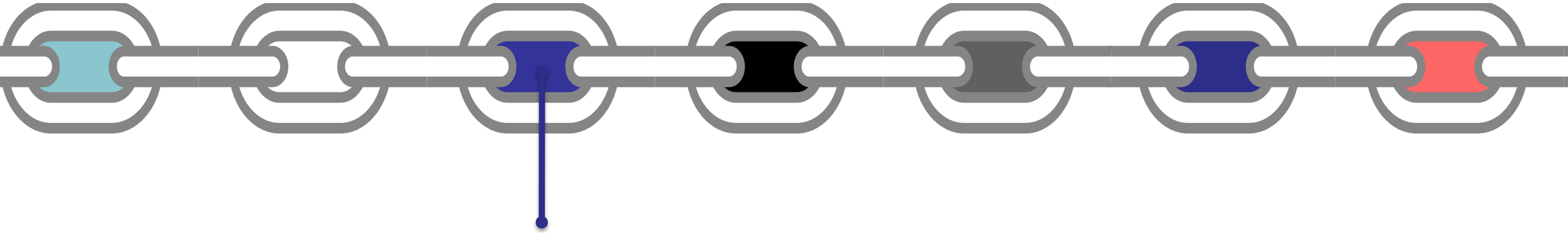

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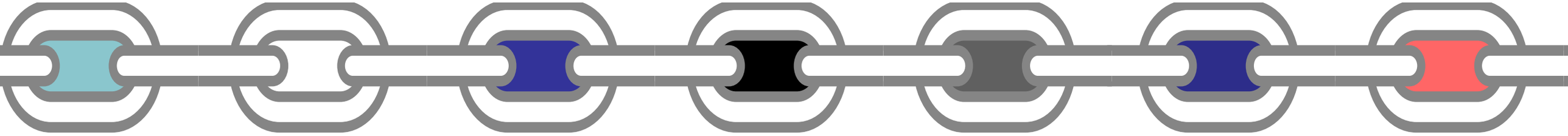

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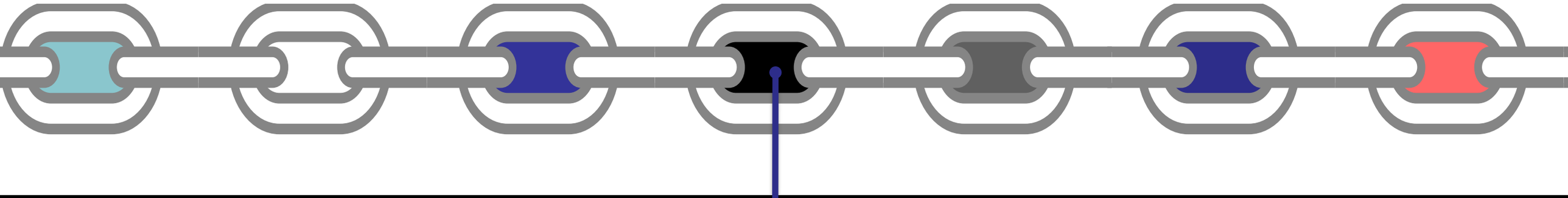
Association for Computational Linguistics	10.3115_conflicts.xml	29070	1	44

More info: Conflict Report



Update metadata and URLs

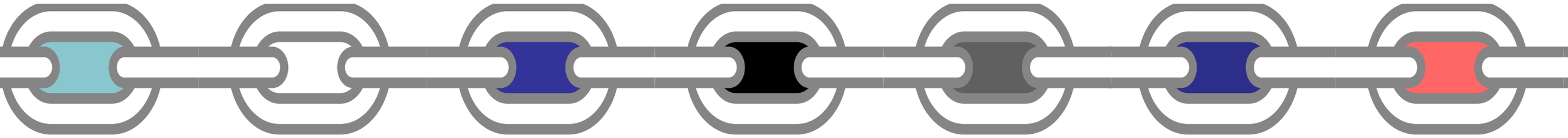
URL update

```
H:email=pfeeney@crossref.org;fromPrefix=10.5555;toPrefix=10.5555
10.5555/doi1        http://www.yoururl.com/journal/art1
10.5555/doi2        http://www.yoururl.com/journal/art2
10.5555/doi2        http://www.yoururl.com/journal/art12
```

Updating metadata

To make changes to your metadata, resubmit your entire deposit.

There is no charge for updating your DOIs – we encourage you to update them as often as needed.

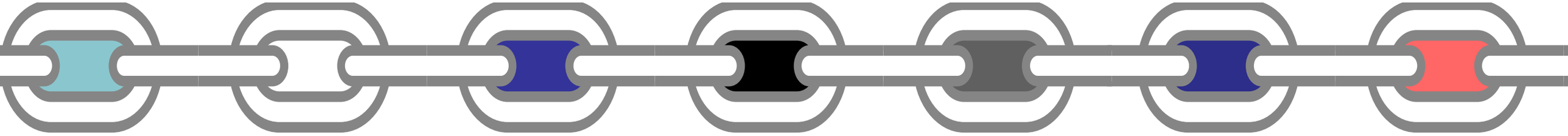


Maintaining Journal Titles

- Title and ISSN combinations are determined by the publisher.
- A valid ISSN is required for all journal titles
- The title / ISSN combination in your deposit must match the title / ISSN combination in our system.
- If a title changes, a new ISSN is required
- Journals should be deposited under the original title

Title list: http://www.crossref.org/titleList/

Title transfer policies: http://help.crossref.org/#ID5855



Reports!

Recurring reports:

- Resolution Report (email)

As-needed reports:

- Conflict
- DOI Error Report (email)
- Schematron Report (email)

Always available:

- Depositor Report
- Status Report
- Go-live report
- Title list

Tools

- XML Parser
- Test system: http://test.crossref.org
- Deposit Harvester

YOUR TOP TEN DOIS 2009-11

Number	Top 10 DOIs	Resolutions to DOI
1	10.1177/0269881108099672	269
2	10.1177/1077558706293634	255
3		239
4		192
5		186
6		174
7		173
8		171
9		168
10		164

	A	B
1	10.5555/074355840325478 4.	2
2	10.5555/004209800708596 9	1
3	10.5555/0160449X0302700402	1
4	10.5555/075910631038772 1	1
5	10.5555/002216780225056 8	1
6	10.5555/002383096100400103	1
7	10.5555/0957154X04039343	2
8	10.5555/000276429503800305	1
9	10.5555/1057S67711401205	5
10	10.5555/019263651037990 2.	1
11	10.5555/082957351141400 5	1
12	10.5555/140349481140427 8	1
13	10.5555/140349481140427 9	1
14	10.5555/140349481140427 7	1
15	10.5555/101053951037939 3	1
16	10.5555/1420362X1140945 8	1
17	10.5555//136843020708484 9	6

2010-07	238,213
	475,027
	460,296
	13,798
	933
	156,864
	152,695
	3,883
	286

More info: Resolution Repor

DOI Error report (emailed nightly as needed)

- compiled from reports submitted by end users
  - emailed nightly to technical contact

Reasons for DOI Error:

- a DOI has been published but not deposited
- the published DOI does not match the deposited DOI
- the end user misinterpreted or mistyped a DOI (i.e. confusing 1 for l or 0 for O)

More info: DOI Error Repor

Where to find help:

- Help documentation: http://help.crossref.org
- CrossRef support: email support@crossref.org or visit http://support.crossref.org
- Webinars: http://www.crossref.org/01company/webinars.html

Staying up to date:

- Announcements forum: http://support.crossref.org/forums/147622-announcements

  subscribe via RSS or email
- CrossRef Quarterly: CrossRef newsletter
- CrossRef Labs: new and experimental tools and initiatives