

3 C's of Scientific Publishing Today: Controversies, Conflicts and Challenges

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Overview

Trends and Issues

Fearless Predictions

3 C's #1

- Growth of scientific research worldwide
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3 C's #2

- Expanding access to the scientific literature
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3 C's #3

- Changing attitudes toward quality control
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3 C's #4

- Cost pressures and rising prices
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3 C's #5

Enhancing discoverability

3 C's #6

Enhancing functionality

3 C's #7

- Archiving and ensuring preservation
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3 C's #8

- The changing role of governments and funding agencies
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Fearless Prediction #1

- The volume of worldwide research will continue to grow, increasing stress and costs for all parties involved in scientific communication.
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Fearless Prediction #2

- Publishing costs will continue to rise faster than purchasing budgets, forcing more and more journal cancellations and other cost-saving measures.
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Fearless Prediction #3

- Authors will continue to value publication quality, but readers will increasingly dissociate quality of information from the reputation of its source.
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Fearless Prediction #4

- Access to scientific information will continue to broaden and become easier.
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Fearless Prediction #5

- Tools and devices for personalization and convenient access will grow in popularity.
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Fearless Prediction #6

- ❑ Open access, notably the author pays version, may have a few isolated successes but will fail as a scalable and sustainable model to transform the publishing system.
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Fearless Prediction #7

- In the long run, usage will become the primary (but not the only) factor in determining pricing and selection.
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Fearless Prediction #8

- Government influence over access to scientific information will expand, and pressures will increase to restrict property rights connected to information.
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Final Thoughts

□ Surely this can't go on...

but it does.

□ Has the time come for Wiki science?

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