

Innovation-oriented Publication System

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CSJ Journals

Vol. 35 No. 2 2006

141-240 (2006)

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FEBRUARY 5, 2006

CMLTAG





1/12

2005

In ACES Journal



What is going to be discussed?



- Is the current system innovation-oriented?
- Why does digitalization not enhance the dissemination of information?
- Can open access solve the problem?
- Are the user-pay-model and the authorpay-model the only choices?

National Innovation Initiative Report

America's Task

For the past 25 years, we have optimized our organization for efficiency and quality. Over the next quarter century, we must optimize our entire society for innovation.

From "INNOVATE AMERICA"

3rd Basic Plan of S&T in Japan

- Goal1 Quantum Jump in Knowledge, discovery and creation
- Goal2 Breakthrough in Advanced R&D
- Goal3 Economic Growth and Environmental Protection
- Goal4 Innovator Japan
- Goal5 Nation's Good health over Lifetime
- Goal6 The World's Safest Country

Innovation-oriented Publication System

- Wide accessibility to scientific information
- Securing the opportunity of publication
- Incentive to research workers
- Quality control of published information



Increasing Information Gap

- Ordinary life TV, Internet Decrease in Information Gap
- Academic life
 Digital publication
 Increase in Information Gap

Less bought with more money



Small Firm



 Small-firm innovation is twice as closely linked to scientific research as for large-firms, and it is more technically important
 Small firm's patents are at least twice as likely to be found among the top one percent of high impact patents.

• Small firms are more effective in producing high-value innovation.

(From "INNOVATE AMERICA")

Small Farm or Institute







Printed and Digital Articles







Can Open Access solve the Problem?

Open Access Journals



- Most of them depend other financial sources than submission fee.
- In-house selection

Authors will pay submission fees not because it is a open access journal, but because it is a journal of reputation that their works will be ranked high.

With an Increase of Acceptance Ratio

	User-pay model	Author-pay model
Advantage	None	Increase in income
Disadvantag e	Increase in cost Potential risk of damaging reputation	Potential risk of damaging reputation

Evaluation through Journal Ranking



World of Evaluation
 Employment, Promotion, Funding or Awarding
 Daily evaluation by outsiders
 Peer review by colleagues and/o competitors

Without information through journals, daily evaluation will be much more unfair and inadequate

Role of Funding Agencies



Why Funding Agencies must pay attention to distribution

Maximize Output

Not only the primary result but also secondary effect should be considered

• Equal opportunity for all tax payers

Scholarship-friendly Journal



ALPSP's Scholarship-friendly Journal Favorable to Author's right Prestigious High accessibility

More consideration to small firms and institutes Scholarship-friendly Innovation-oriented

New user-pay-model



Beneficiary-pay-model



Beneficiary-pay-model



- The publication cost of articles with poor access is paid mainly by authors.
- The publication cost of articles with frequent access is paid mainly by users.
- Authors of articles with an extreme number of accesses can get more money than submission fee.







Conclusion



- Information Gap is still increasing.
- It is doubtful if Open Access journals can ever acquire enough confidence from authors.
- Sales by article will improve the situation.
- Role of funding agency is important.
- Sales by article give rise to a 3rd business model; the beneficially pay model.