



# Transformation of the ILL Services among the Japanese University Libraries in Digital era

the results of the comprehensive analysis of  
NACSIS-ILL transaction records from 1994 to 2007

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Kenji KOYAMA (Mie University, JAPAN)

Yoshinori SATO (Tohoku Gakuin University)

Syun TUTIYA and Hiroya TAKEUCHI (Chiba University)





# Outline of Today's Presentation

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- Background of this study
- Conceptual Model for ILL Transactions' Rise and Fall
- Findings
  - Trend of ILL transactions in Japanese Academic Institutions
  - Requests for Foreign Journals' Articles
  - Requests for Domestic Journals' Articles
    - Case 1: CiNii (NII-ELS)
    - Case 2: Medical Online
- Conclusion

# Background of This Study

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- Our research project objectives are
  - to clarify what impact the digitization of scholarly information has made
  - to rethink the role of academic libraries in near future



- Focusing on the ILL activities in academic institutions

# Background of This Study

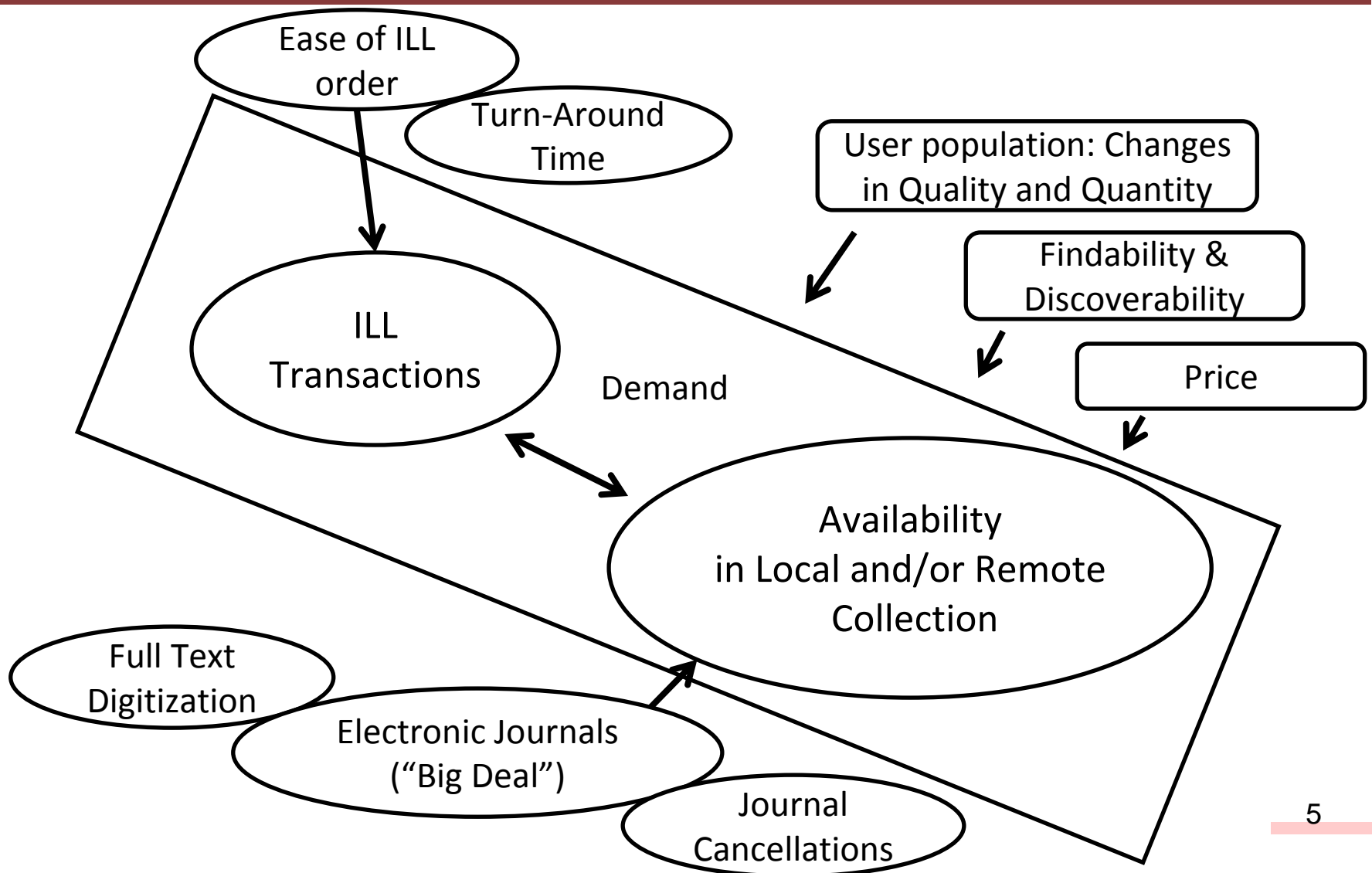
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- By analyzing 14-years' ILL transactions log data of nationwide ILL system, NACSIS-ILL

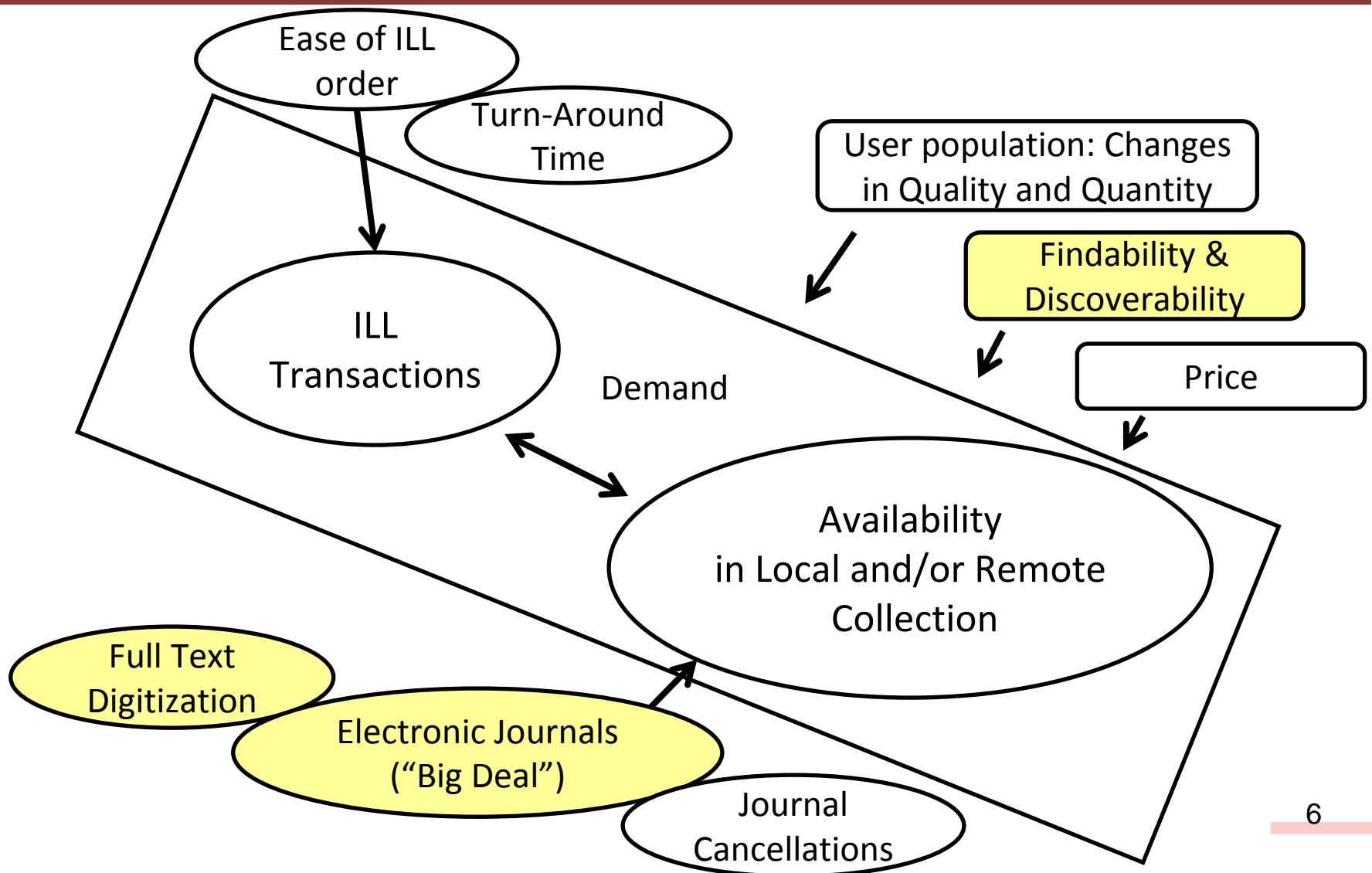


- What changes have happened in ILL services in Japanese academic institutions?
- How impact have the digitization of academic literature made on scholarly communication?

# Conceptual Model for ILL Transactions' Rise and Fall



# Conceptual Model for ILL Transactions' Rise and Fall

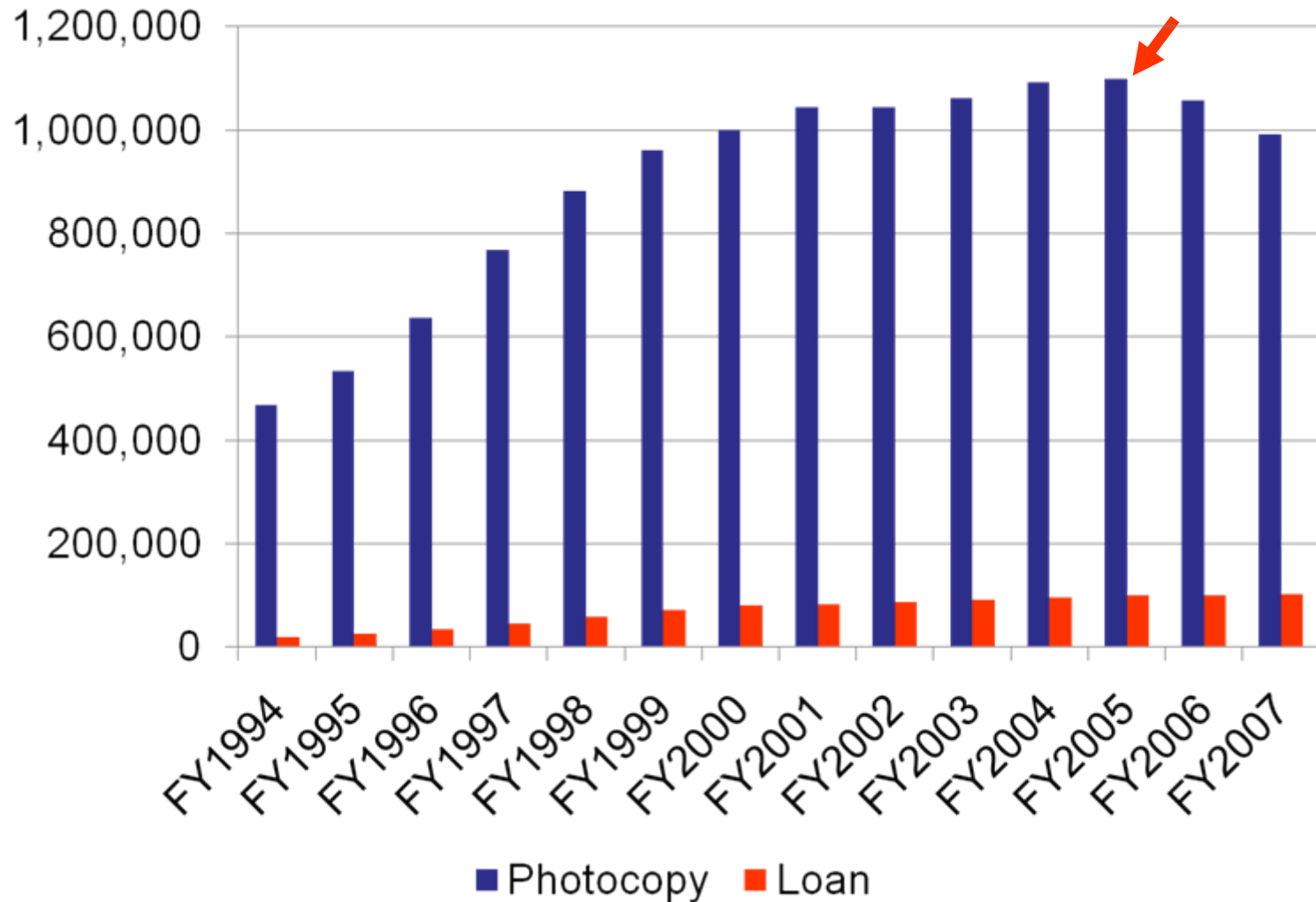




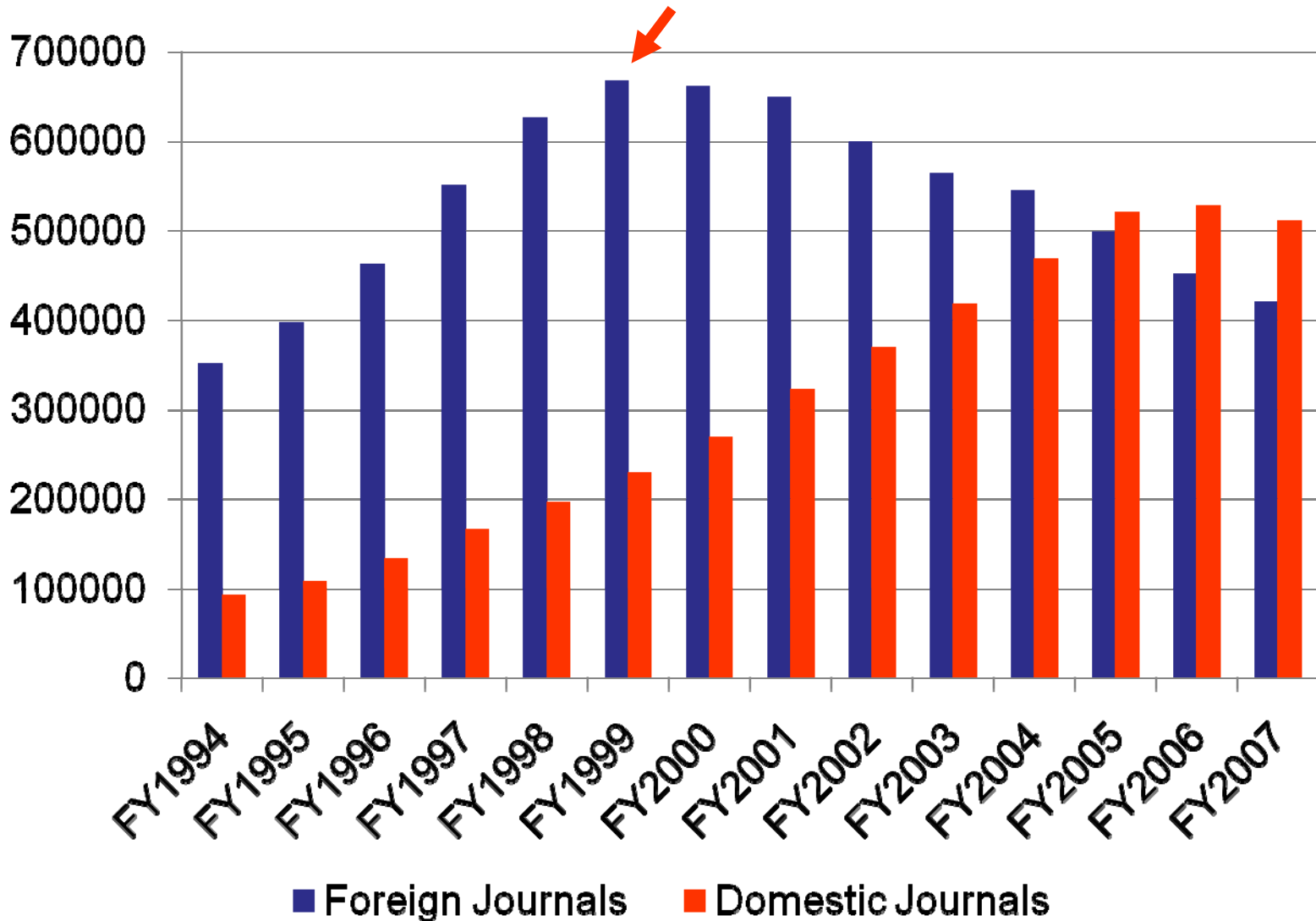
# Findings



# ILL among Japanese University Libraries via NACSIS-ILL

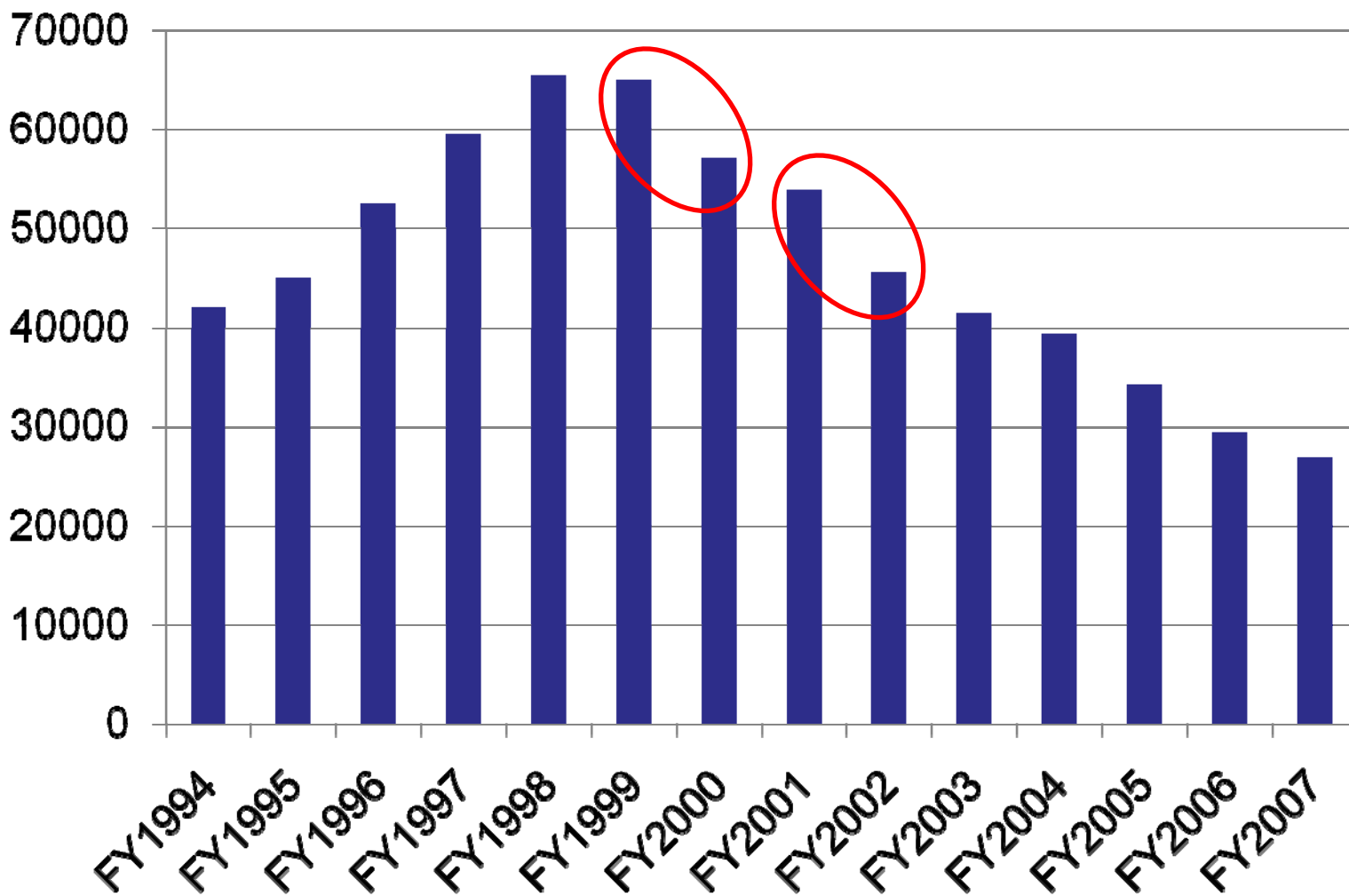


# Changes in Number of Photocopy Requests between 1994 and 2007

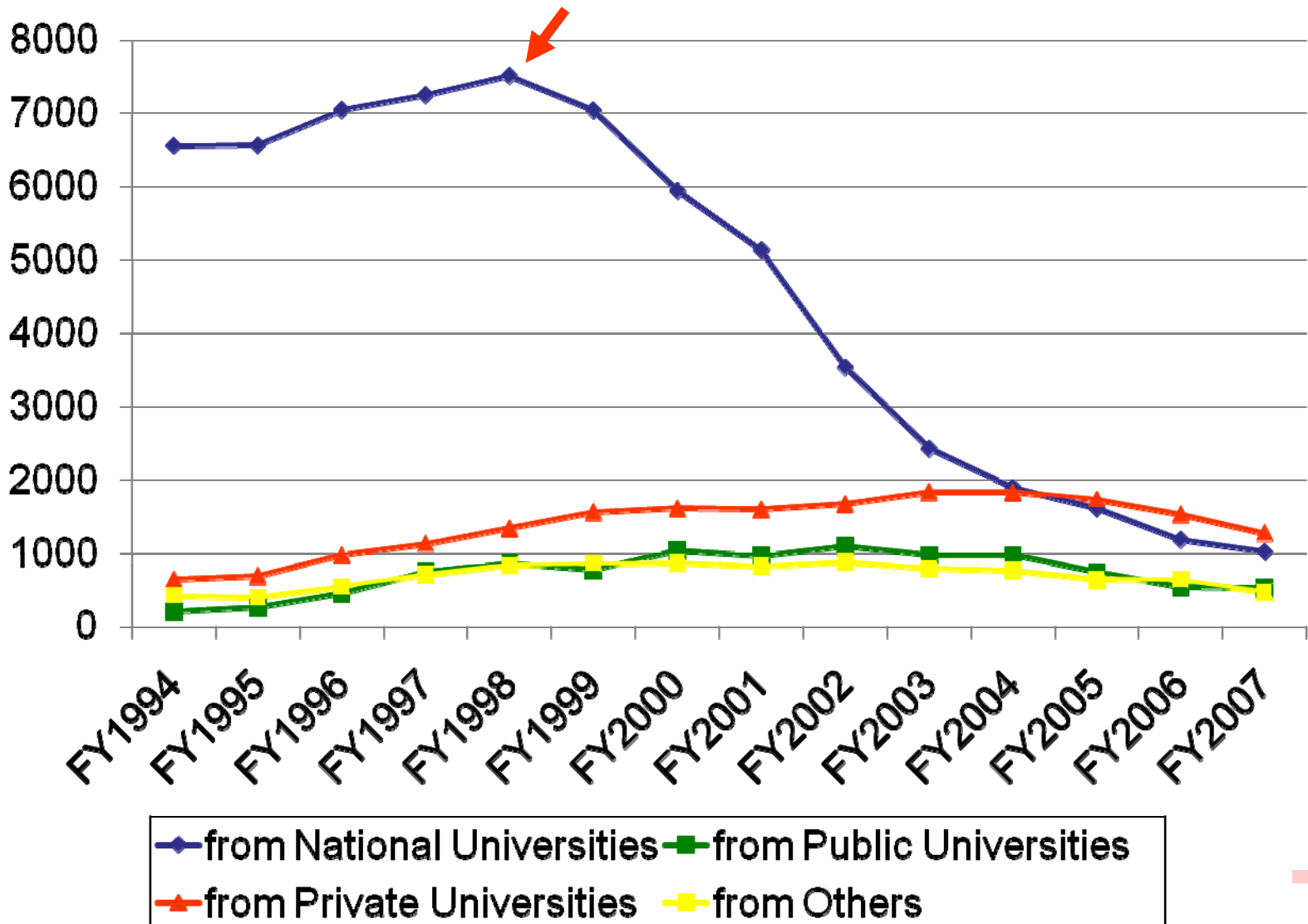




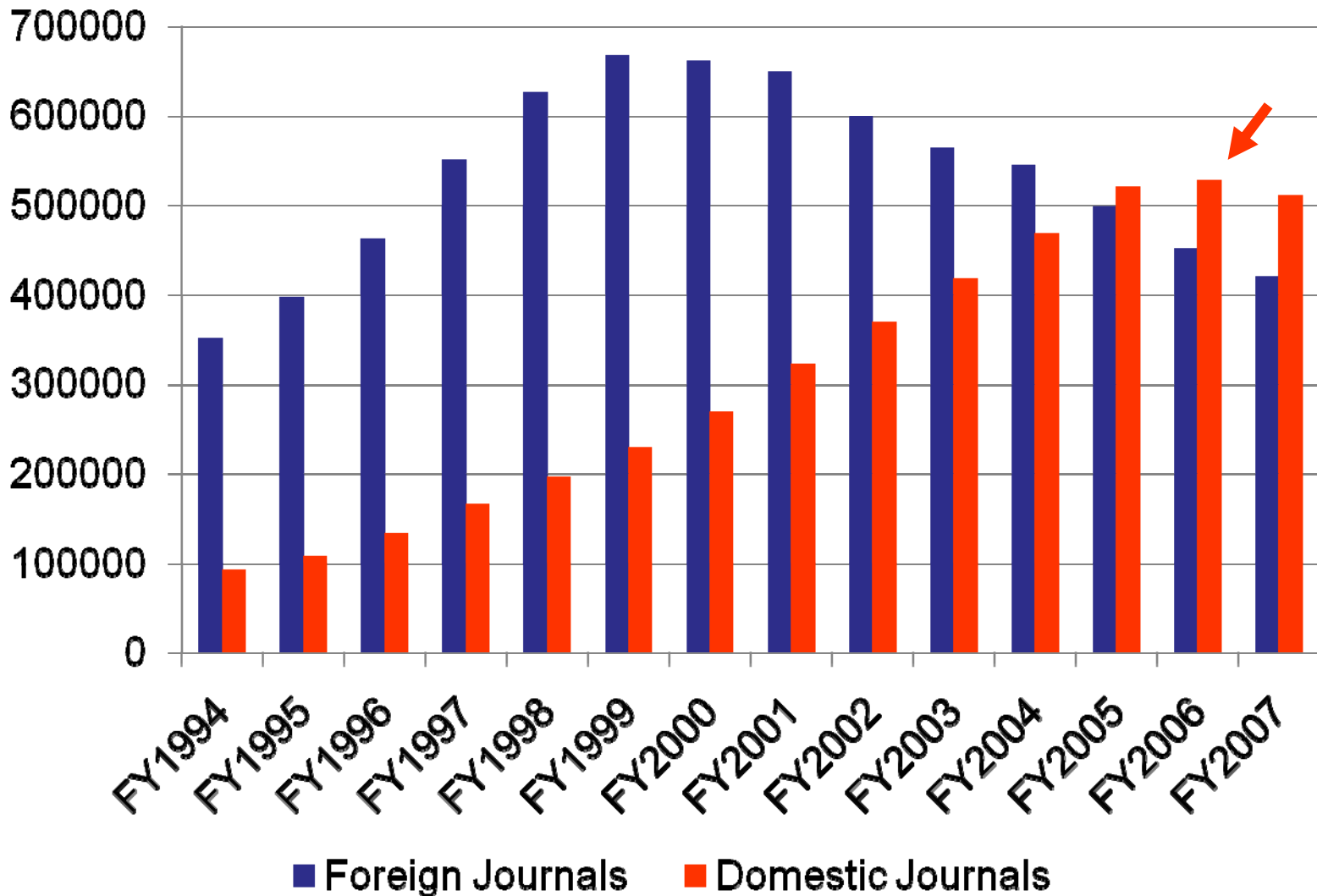
# Impact of e-Journals and “Big Deal” on Photocopy Requests for Foreign Journals’ Articles



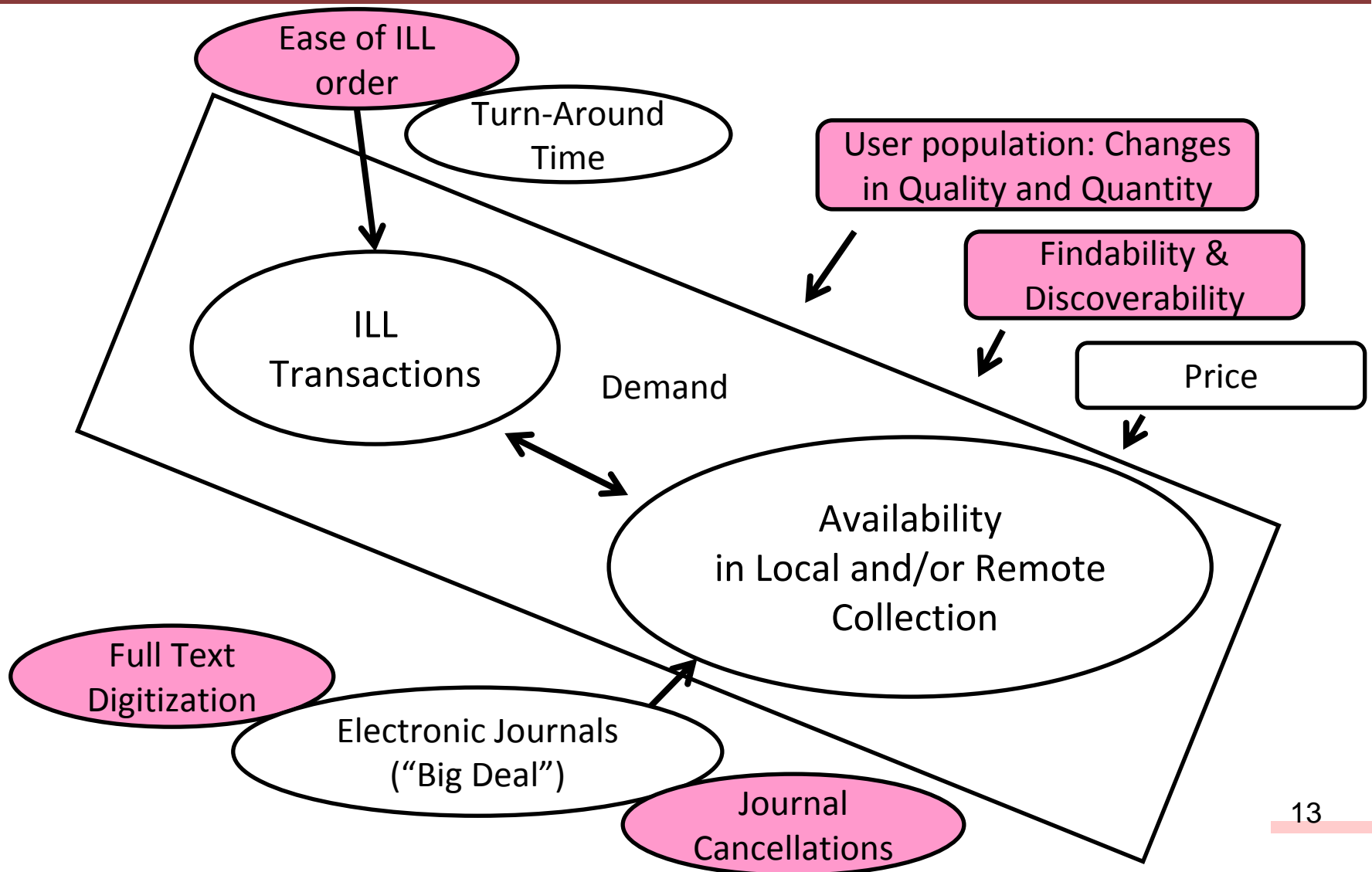
# Changes in Number of Filled Requests to Elsevier's Top 10 Journals by Institution Types



# Changes in Number of Photocopy Requests between 1994 and 2007



# Conceptual Model for ILL Transactions' Rise and Fall





# Possible Factors affecting the requests for articles published in domestic journals

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- User Population
  - trend in nursing science
- Findability
  - Google, Ichushi Web, Medical Online (2000)
  - Japanese Periodicals Index (2002)
  - JDream (2003)
  - CiNii, Google Scholar (2004)
- Ease of ILL order
- Full text digitization
  - CiNii (NII-ELS), Medical Online
- Journal Cancellations

# Case 1: CiNii (NII-ELS)

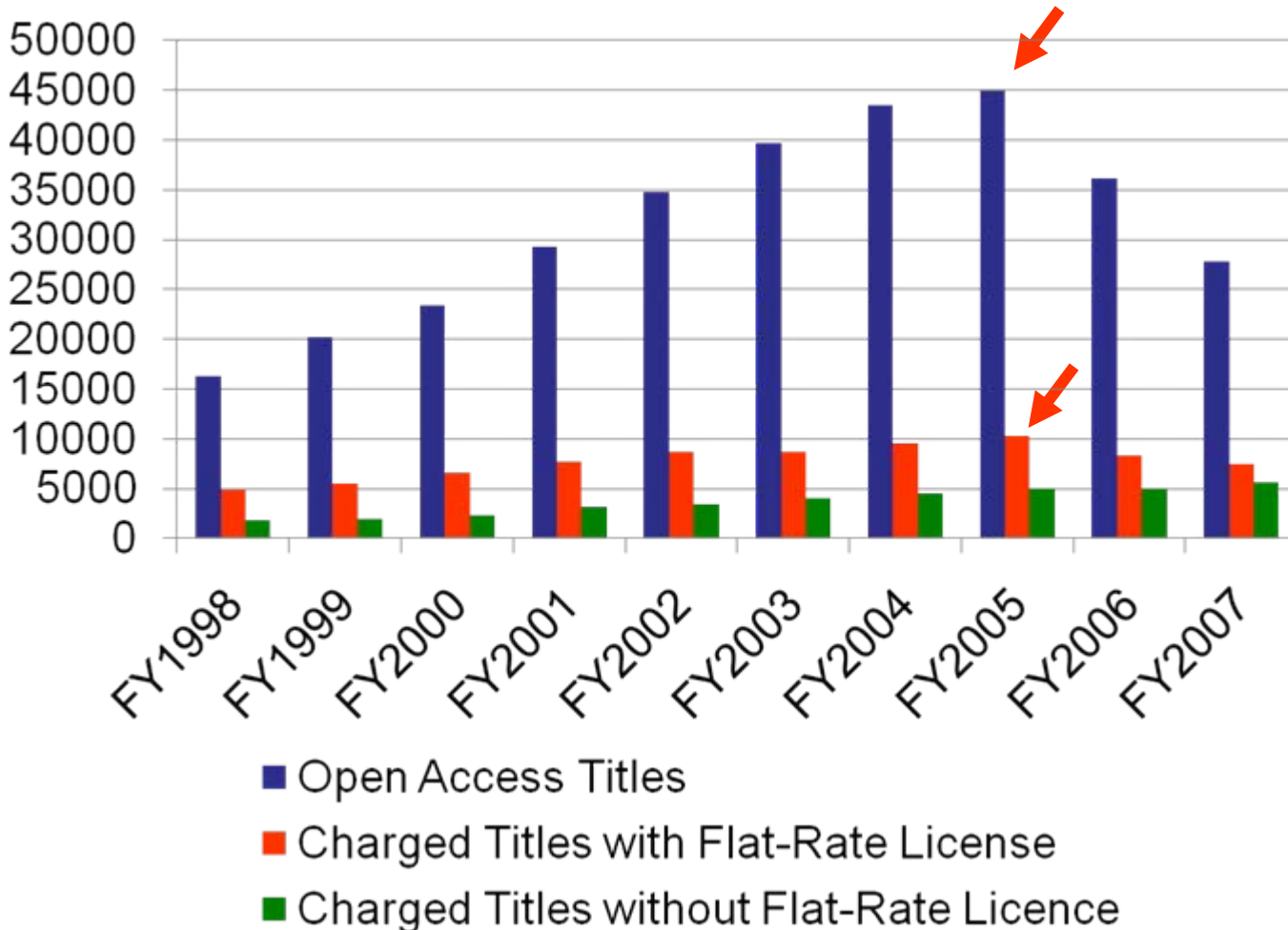
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- CiNii started as a bibliographic database accessible via WWW in 2004
- It has wide coverage of subjects and journal titles published in Japan
- A service of NII-ELS (the Electronic Library Service) was integrated into CiNii in 2006



- Users are able to have seamless access from bibliographic records to full texts

# Case 1: CiNii (NII-ELS)



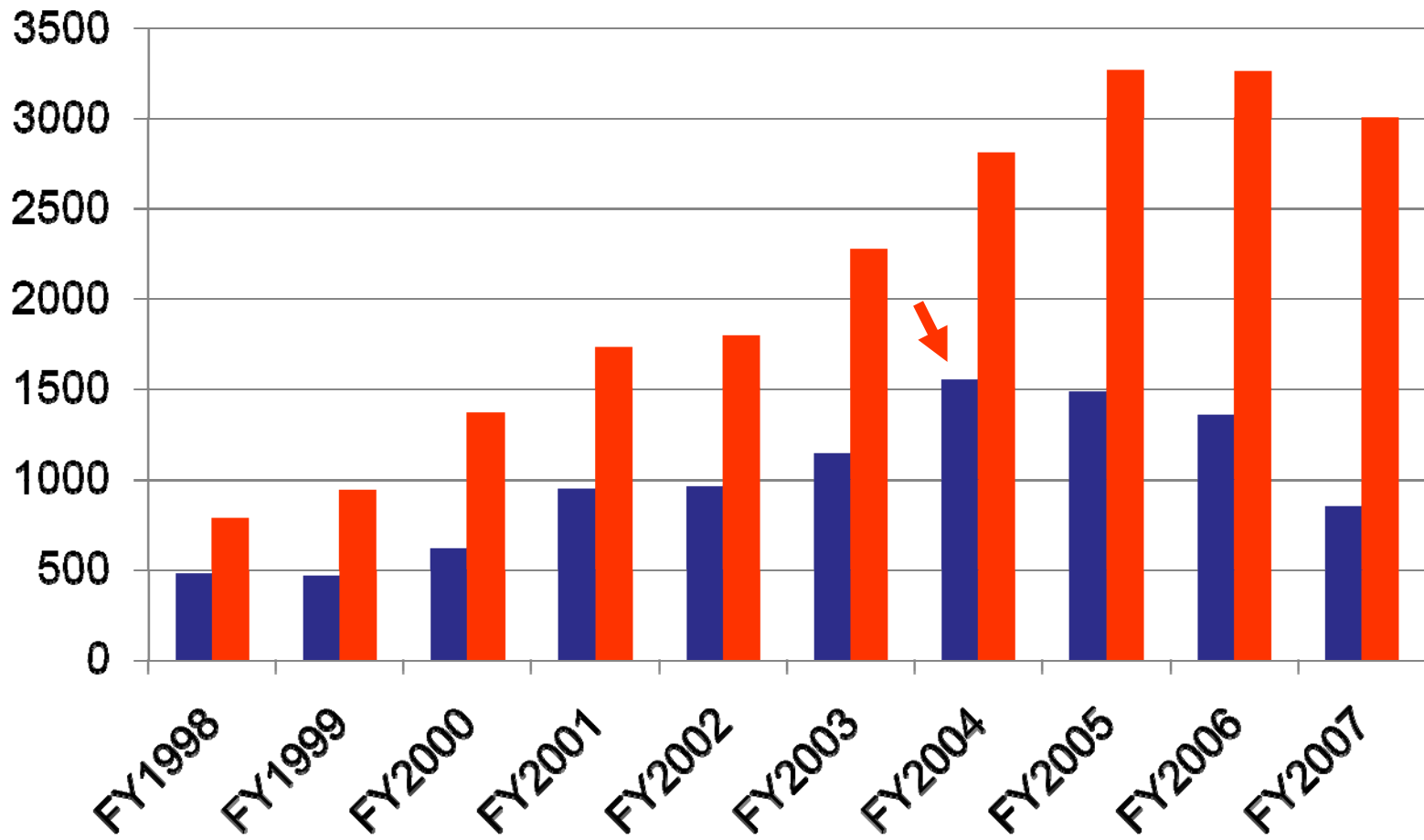


# Case 2: Medical Online

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- Medical Online is a commercial-based online document delivery service
- It started in 2000
- 621 titles mainly in medical science are available (April 2008)
- Institutional site license was introduced in November 2004
- The number of contracted institutions:
  - 8 (2004), 50 (2005), 105(2006), 193 (2007)

# Case 2: Medical Online



■ from the Institutions Contracted with "Medical Online"

■ from the Institutions Contracted without "Medical Online"



# Conclusion (1 of 2)

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- researchers' demands for documents have been increasing
  - there are more researchers than before
  - the nationwide union catalog was made online and then available by way of WWW
- requests for articles published in "foreign" journals decreasing
  - by the coming of electronic journals, resulting in the big deal through consortial purchase



# Conclusion (2 of 2)

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- requests for articles published in "domestic" journals increasing in the early 2000s
  - by the increased number of researchers and students in the relevant fields
  - by the improved findability through CiNii indexing service
- slight decreasing in recent years
  - by the digitization of printed articles published by those journals (CiNii, Medical Online)
  - = by the improved online availability



Thank you for your attentions.

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Kenji KOYAMA  
koyama@human.mie-u.ac.jp

