



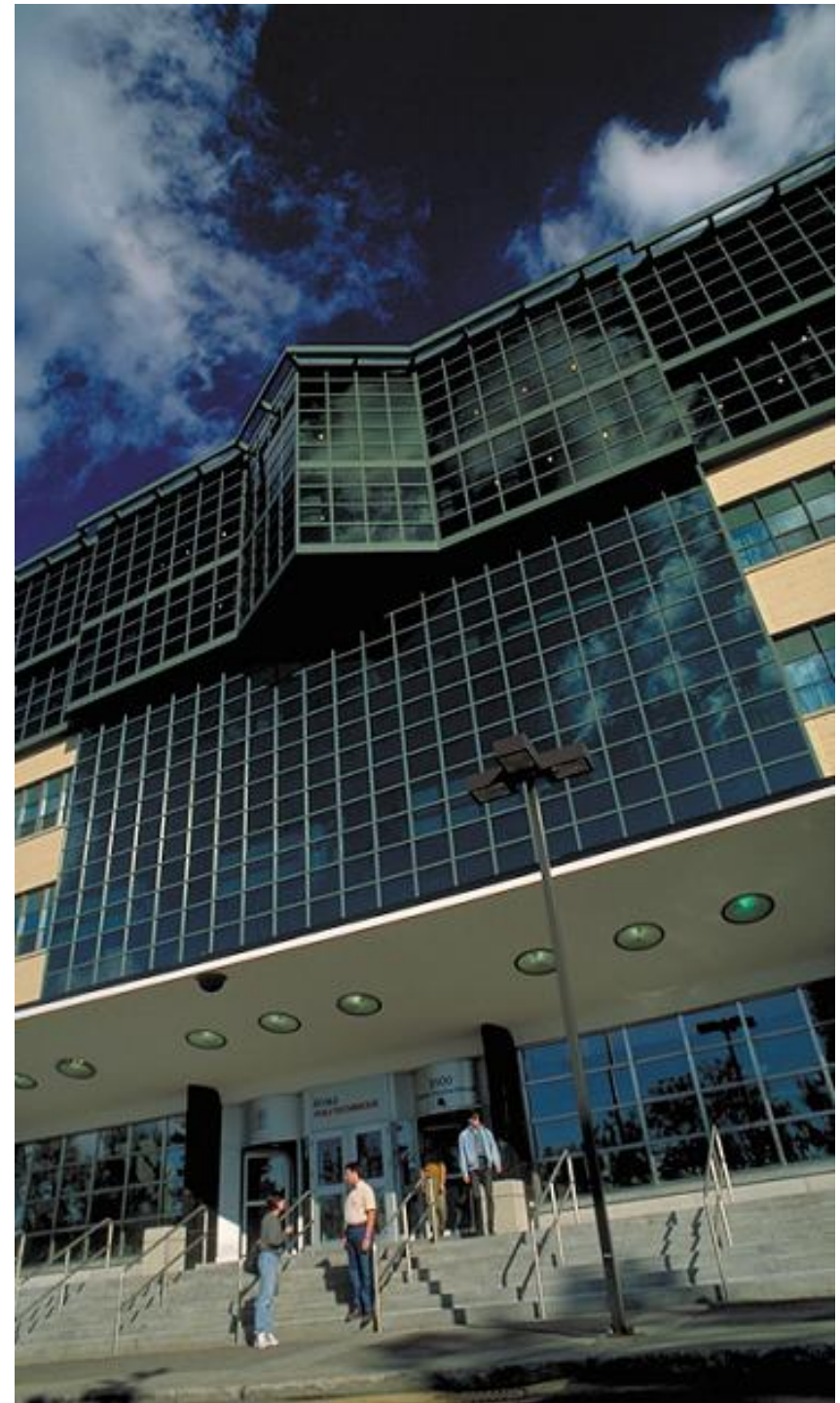
Innovative Approaches by École Polytechnique de Montréal Library in Support of Research Activities

Richard Dumont
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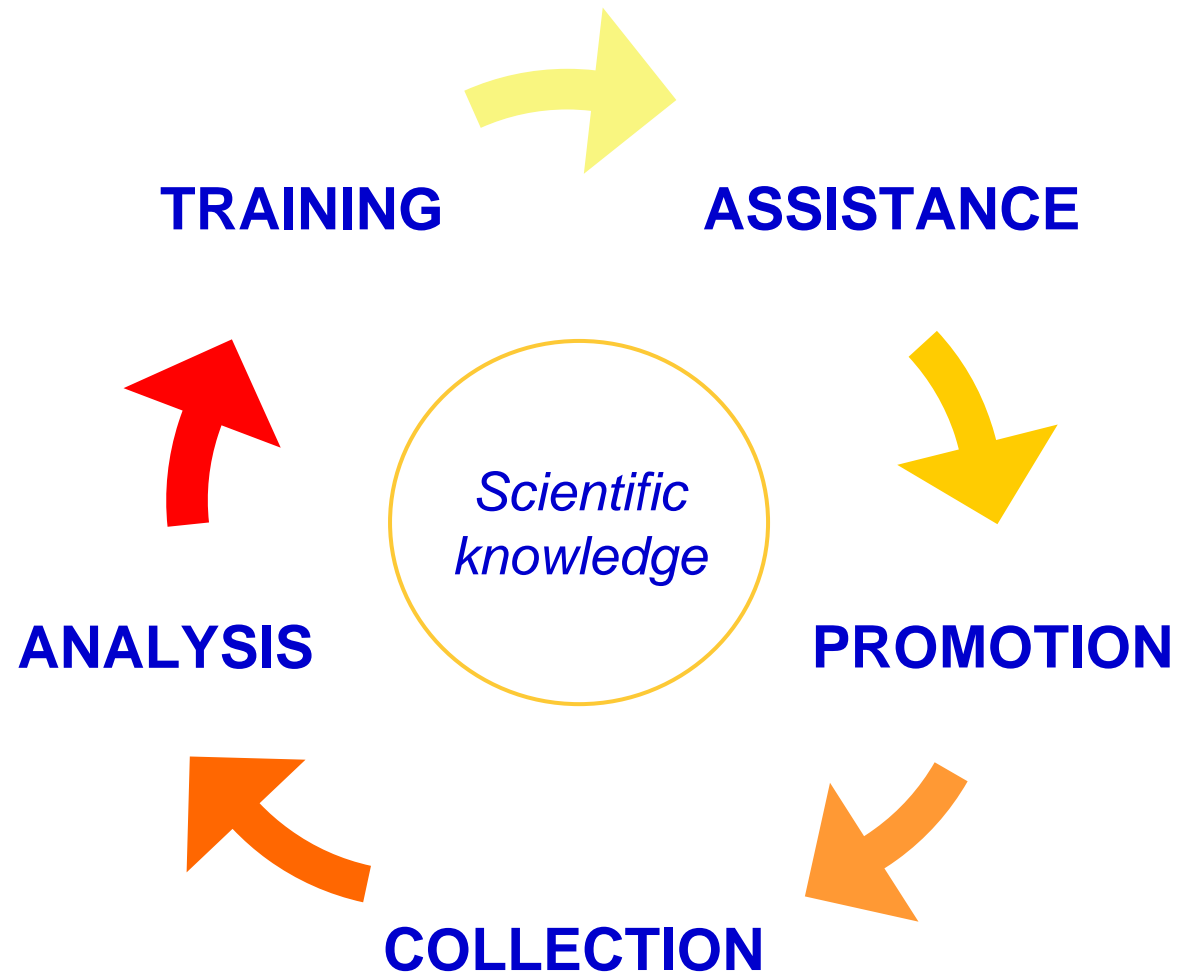




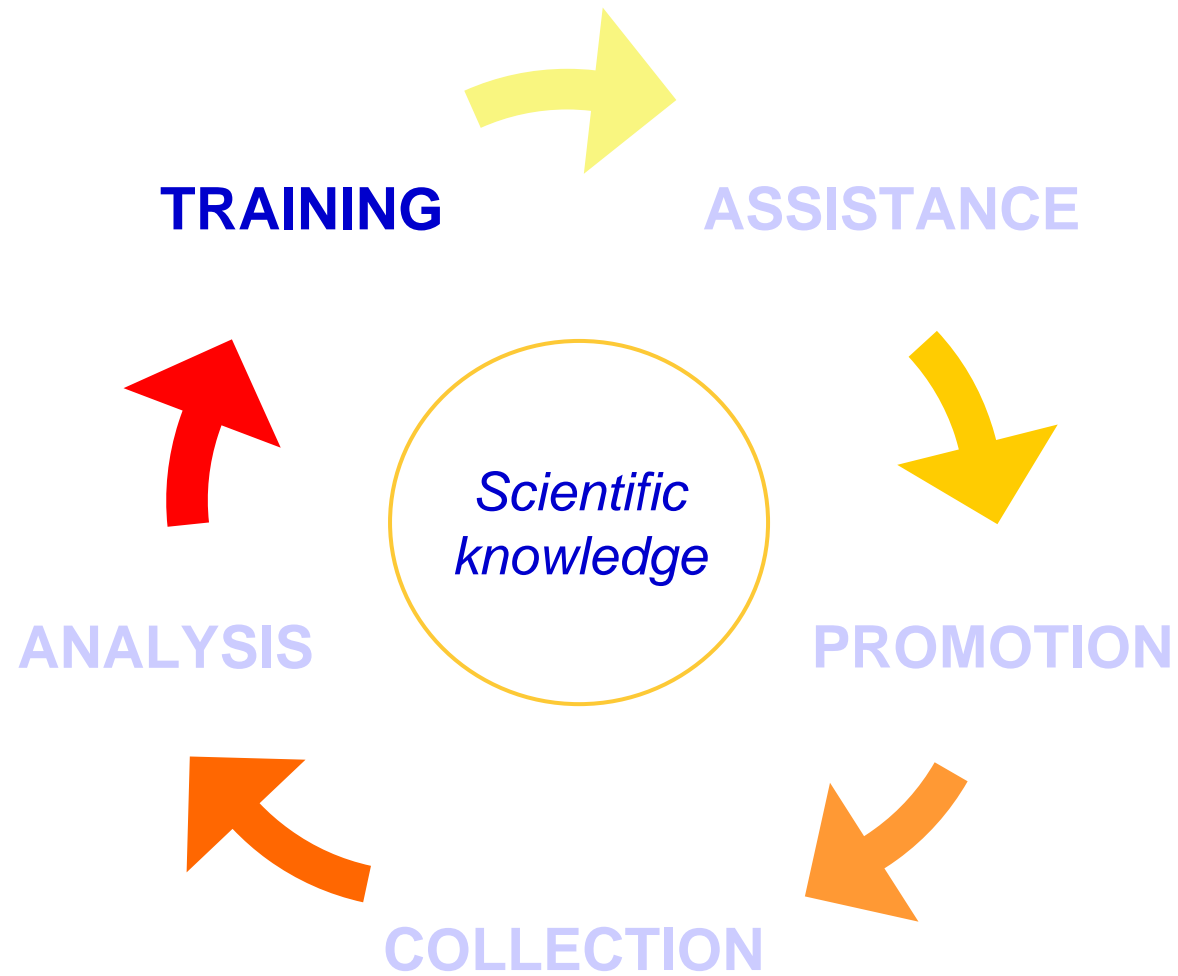
- Founded in 1873
- 6,000 students (332 Ph.D.)
- 220 faculty
- \$80 million operating budget
- \$61 million research funds
- Library reports to the Research and Innovation Directorate



Summary



Summary



Information Literacy

- 12-hour information literacy lab
- Integrated into a required course for Ph.D. students
- Directly related to the student's research topic
- Portfolios graded by librarians
- Overall rating of +90%

Information Literacy

- Portfolio:
 - Personal, detailed list of concepts
 - Basic search strategies
 - Advanced search strategies in two databases
 - Justification : concepts, keywords, functions used
 - Current awareness profile
 - Database built with ProCite® and a bibliography

Information Literacy

"Most useful for searching databases : we now have a very structured and well focused search. This helped a lot with the research project."

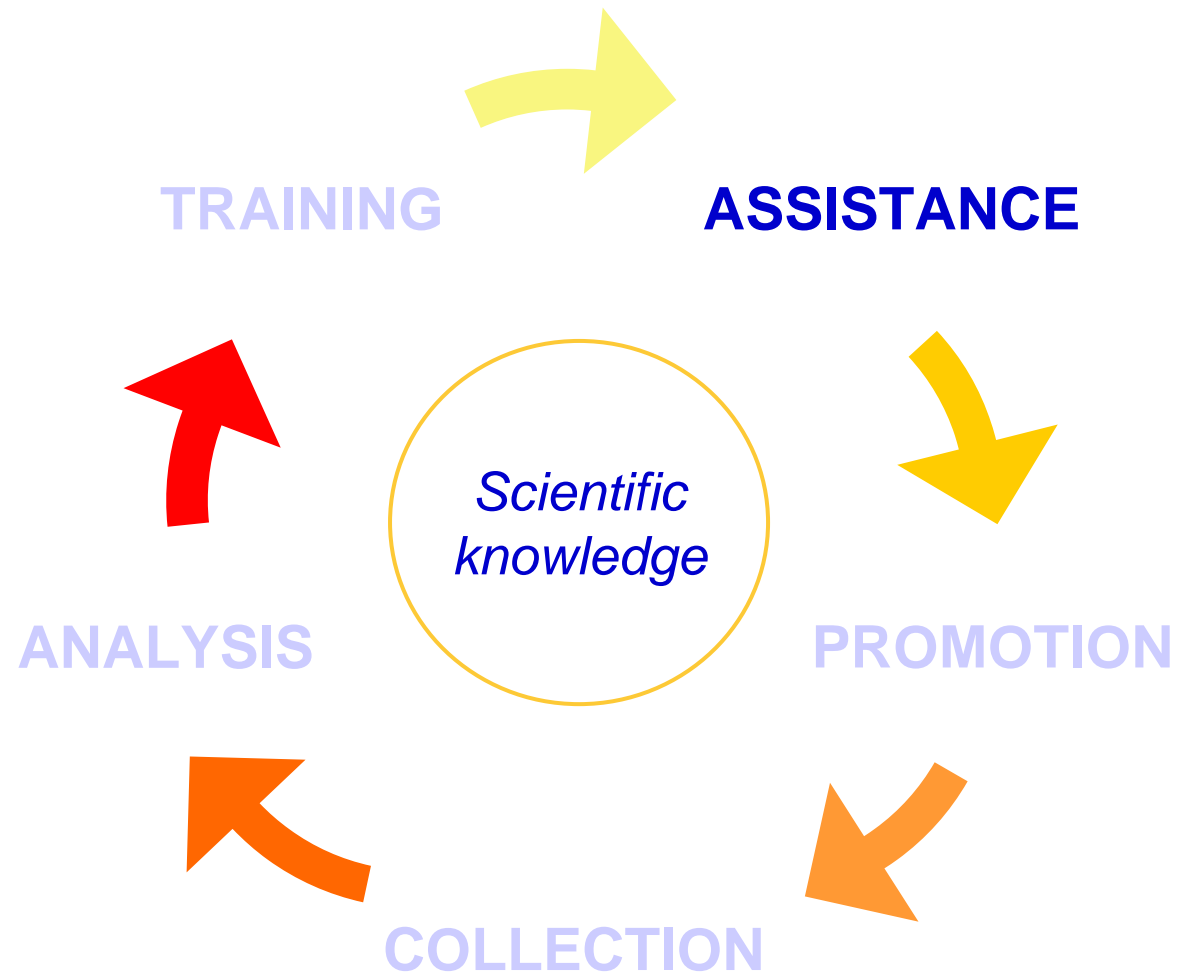
"Workload is too high for a one-credit class."

Student comments

"Students who take this course take less time at the beginning of their research. The gain in time may be up to four months in some cases."

Faculty comment

Summary





Library Support for Canada Research Chairs

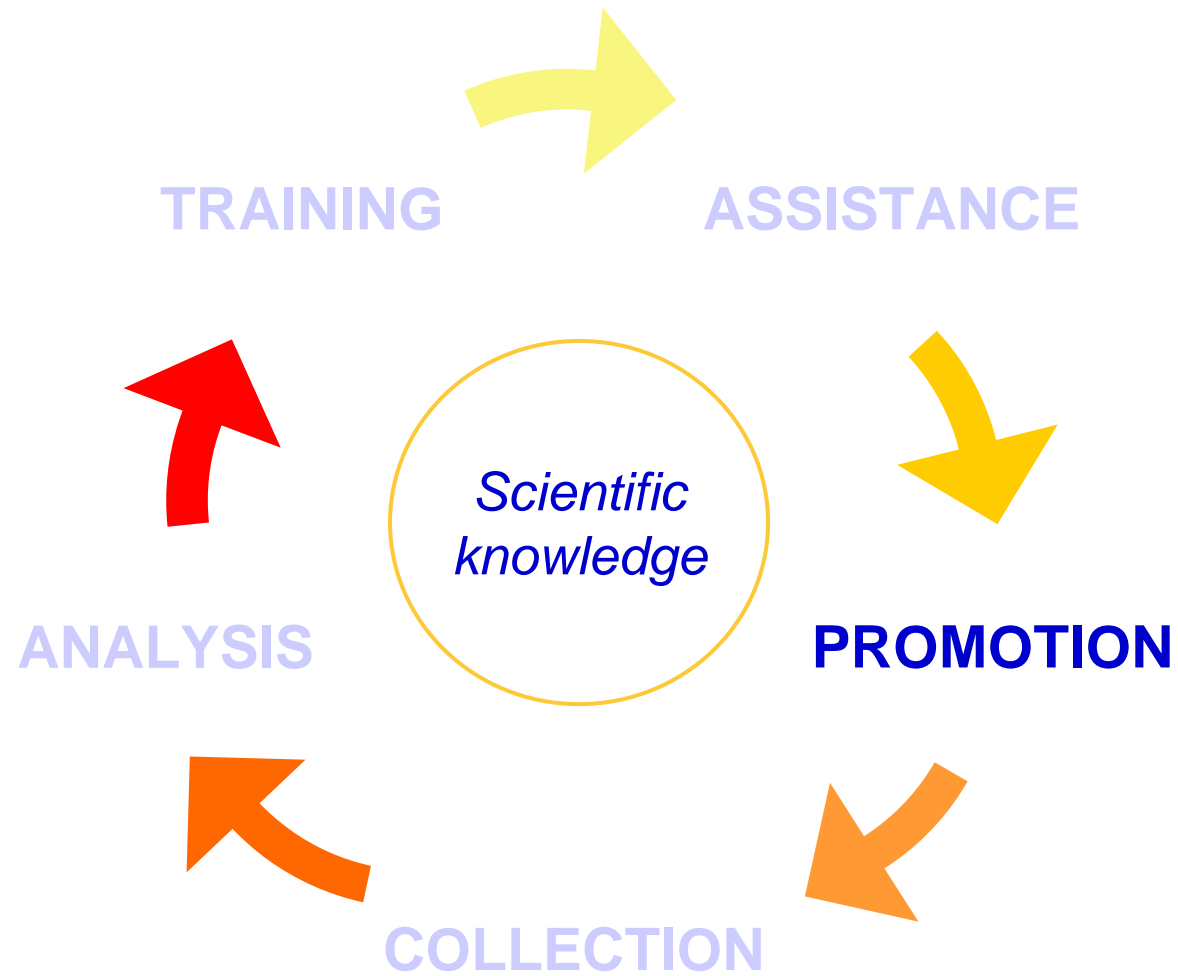
- Chairs: 2.5% of their grants are allocated to the Library
- CRC services proposal:
 - Value-added services
 - Streamlined document delivery
- Staffing: senior librarian and library assistant
- In 2005: 18 Chairs = \$72K in revenues for the Library



Library Support for Canada Research Chairs

- Examples of value-added services:
 - In-depth literature searches and alerting services
 - Development and management of large bibliographic databases
 - Coaching on bibliographic software and literature searching

Summary



Database of Faculty Publications



- Goal:
Promoting publications
- Steps:
 - Data importation
 - Standardization
 - Enrichment
 - Validation
 - ProCite® → MARC21

BiblioPoly Cherché !

Recherche complexe par MOTS CLÉS dans Répertoire des publications scientifiques et techniques de l'École Polytechnique

Chercher dans et dans

Trier selon afficher

Rechercher

Note: Si le résultat de votre recherche contient plus de 200 notices, celles-ci ne seront pas triées.

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Database of Faculty Publications

- Includes 9,348 publications (1994-2003)
- Resources
 - initial set-up: 1 person-year + \$25K
 - updates: 0.25 person-year + \$1K
- Web-accessible
- In-house ProCite® version
- Management tool

[Previous](#)

[Next](#)

- Databases
- Keyword Searching
- Browse Searching
- **Result List**
- History
- Patron Functions
- Help
- Français
- Logoff

Record Display in Ecole Polytechnique's Directory of Scientific & Technical Publications

Record **141** of **163** for Search:

[1](#) [11](#) [21](#) [31](#) [41](#) [51](#) [61](#) [71](#) [81](#) [91](#) [101](#) [111](#) [121](#) [131](#) [141](#) [151](#) [161](#)

Mark / Unmark Record

[Library Holdings](#)



Author [Chabini, N.](#) ; [Chabini, I.](#) ; [Aboulhamid, E.M.](#) ; [Savaria, Y.](#)

Document Title [Methods for Minimizing Dynamic Power Consumption in Synchronous Designs With Multiple Supply Voltages](#)

Published In [IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems](#) ; 22:3

Date 2003

Pages p. 346-351

Document Type Article de revue

Type

Polytechnique Author [Savaria, Yvon](#)

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Department

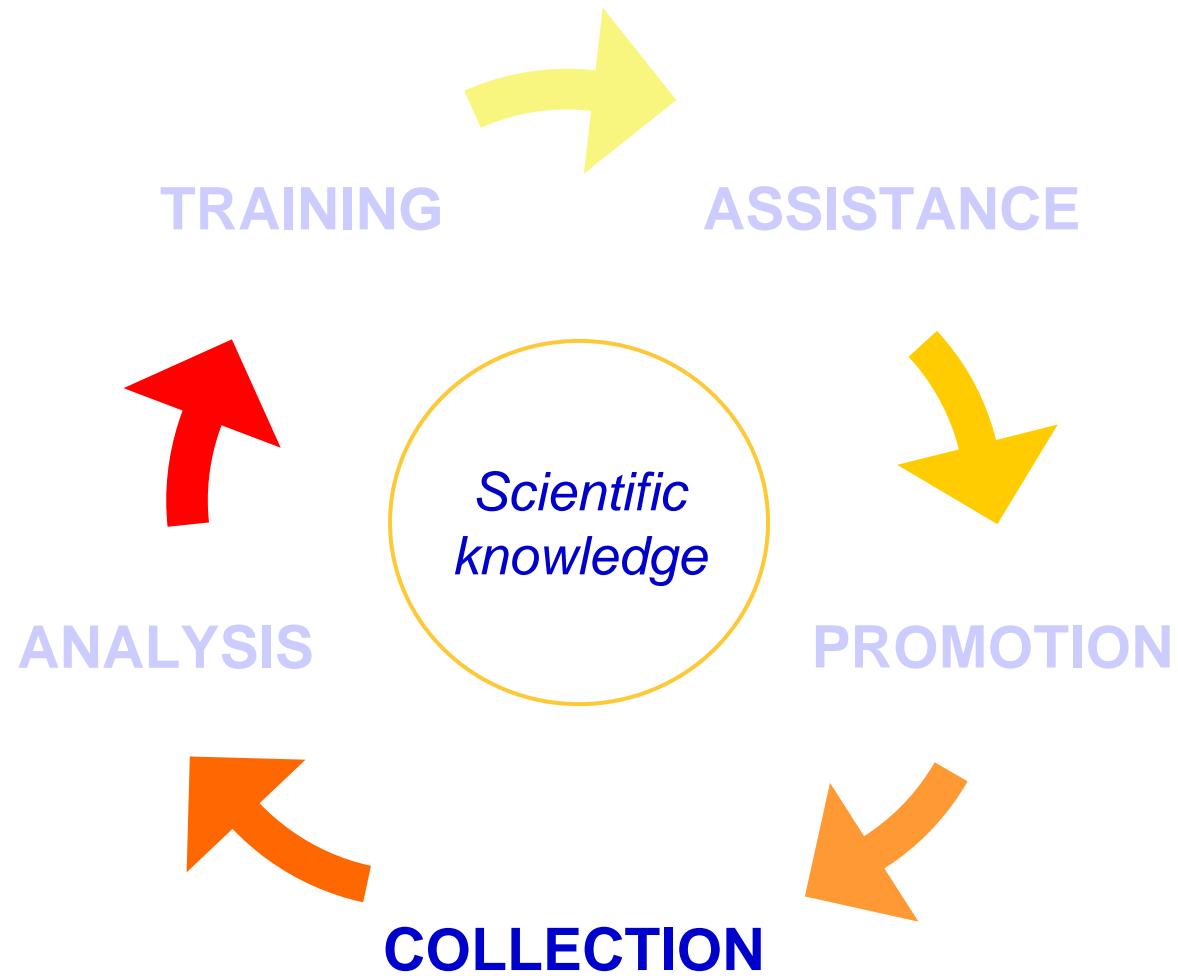
Web Site [Savaria](#)

NSERC Code [Microélectronique - 2519](#)

[Circuits intégrés - 2504](#)

ISSN [0278-0070](#)

Summary



Journals Under the Microscope

- Goal
 - improve relevancy of the journal collection
- Strategy
 - subscribe to those journals containing 80% of the articles published or cited by Polytechnique
- Data sources

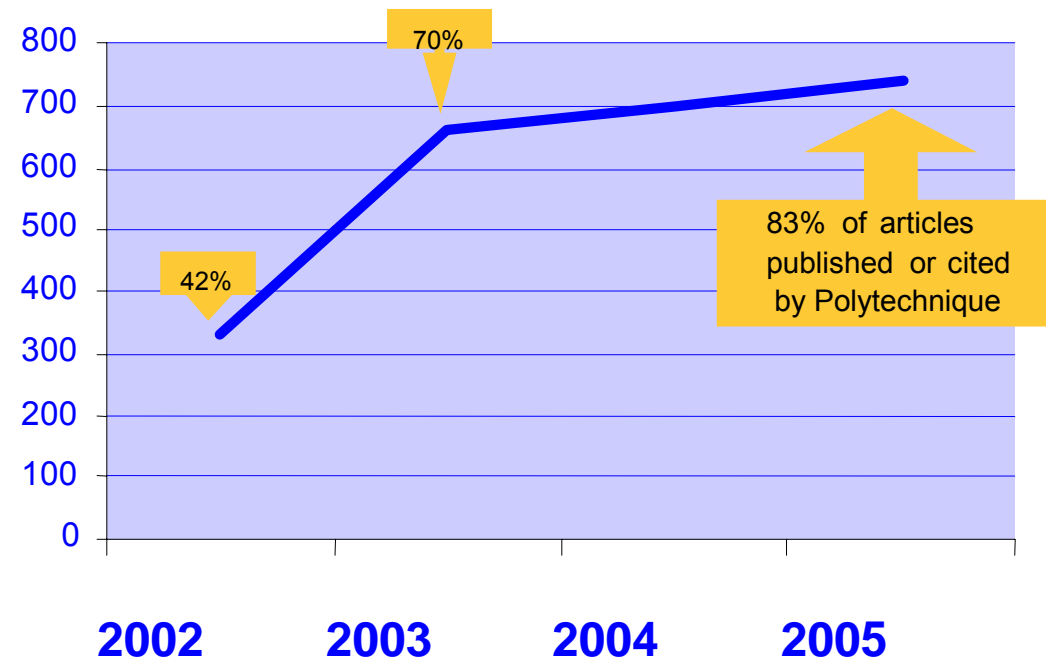
Journals Under the Microscope

Methology and results:

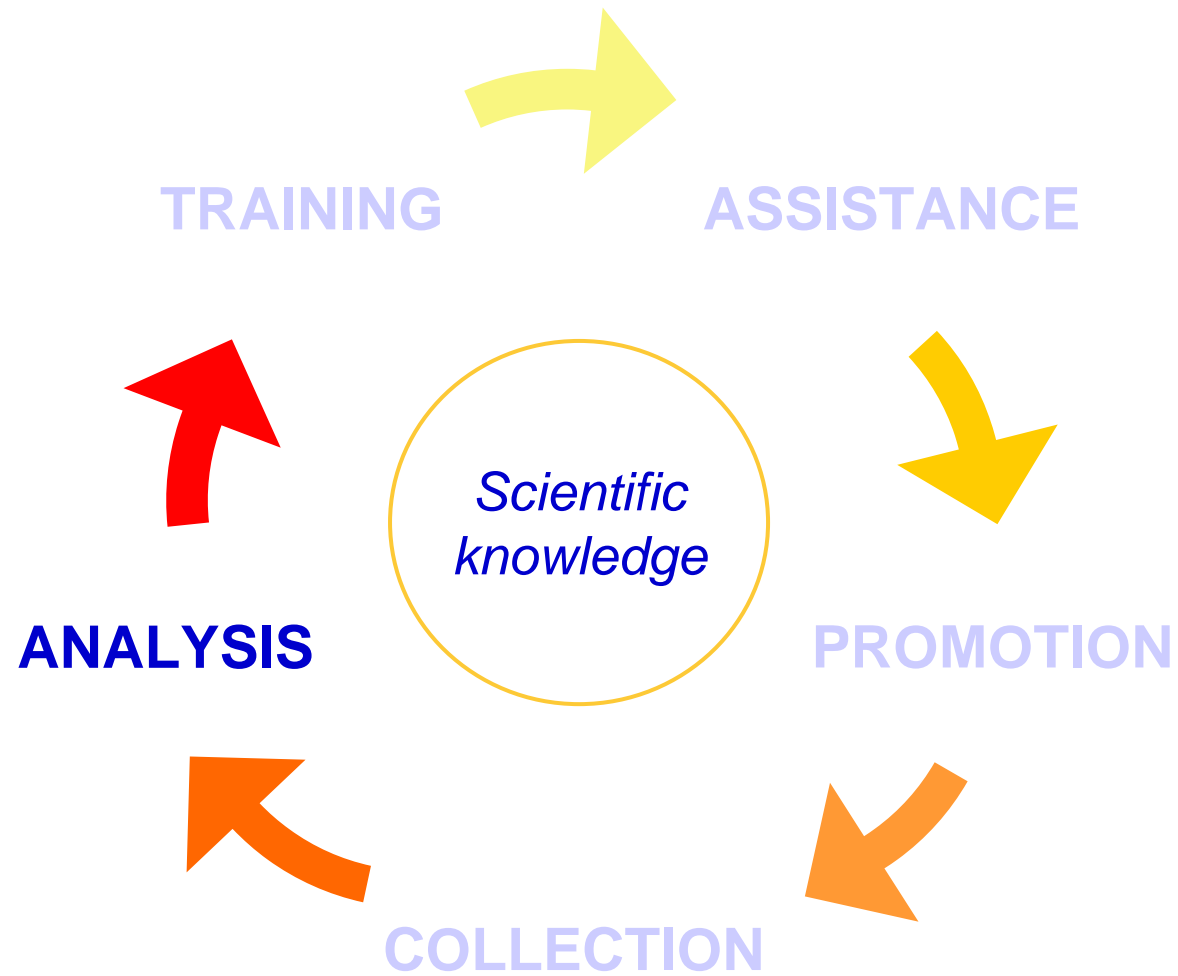
- 3,872 journals identified
- 1,067 journals from the top 20% of each study
- 329 journals already in the collection
- 333 forthcoming subscriptions (“big deals”)
- 405 journals remaining
- 81 after point system

Journals Under the Microscope

Number of Journals



Summary



Comparing Publication Data of 15 Canadian Engineering Faculties

- Institution's goal
 - State of research at Polytechnique
- Indicators
 - Numbers of publications and citations
- Role of the Library
 - Develop methodology and compare publication data
- Challenge
 - Institutional and departmental comparisons
- Data source
 - Web of Science®

Comparing Publication Data of 15 Canadian Engineering Faculties

	For each institution	For each department
Year by year		
Number of articles	X	X
Five-year period		
Number of articles	X	X
Number of citations	X	X
Citations per article	X	X
Number of full-time faculty	X	
Articles per faculty	X	
Citations per article	X	
Citations per full-time faculty	X	

Conclusion

- Basic competencies +
- Common goals, openmindedness, audacity
- Changing perceptions: enhanced strategic positioning
- Preparing for the future