

Indian Higher Education: Role of Library Professionals

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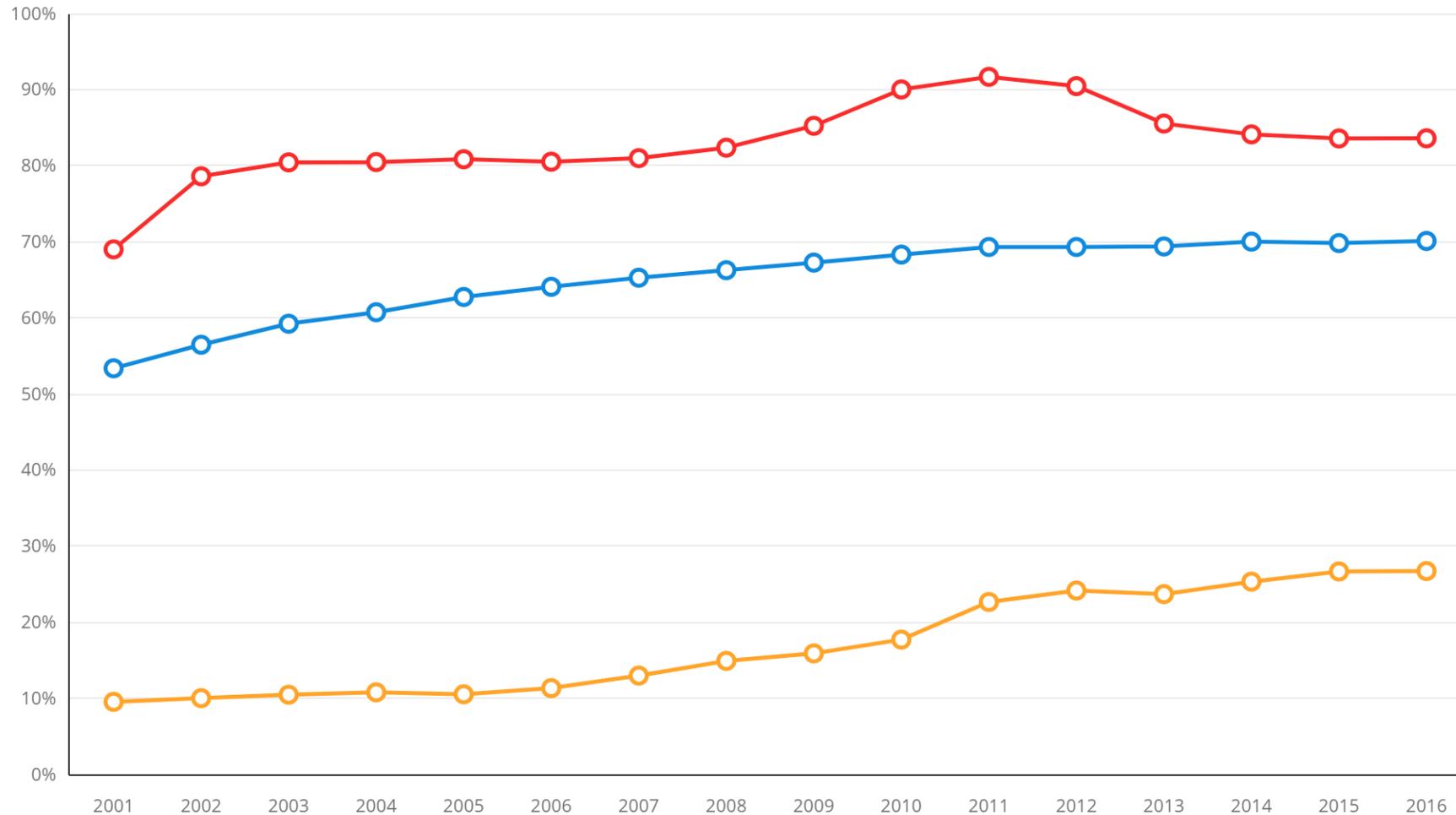
The Plan

- Context
- Higher Education
- Key Issues
- Role of Library Professionals



Context

GER in Higher Education



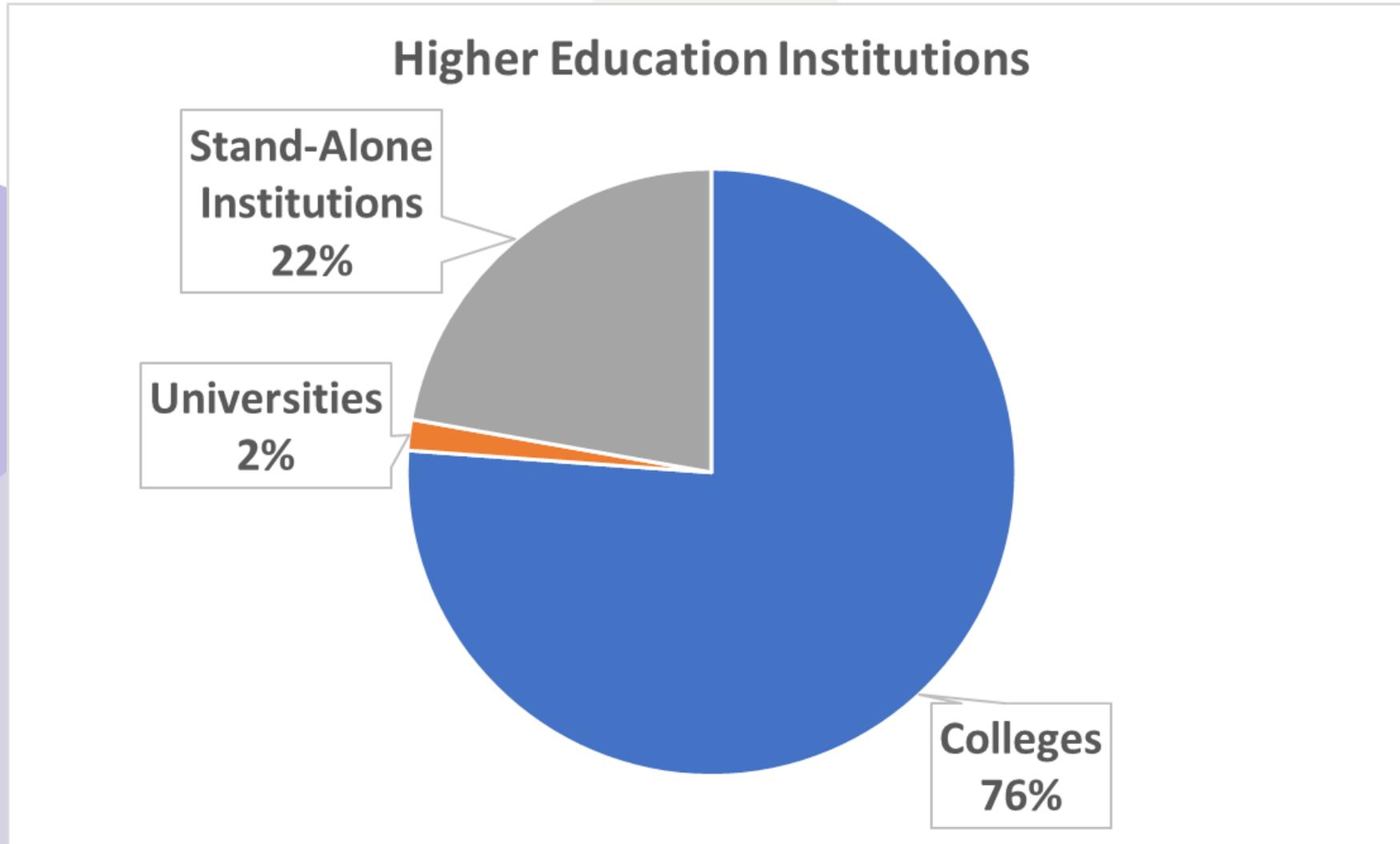
83.8: North America

70.3: Europe

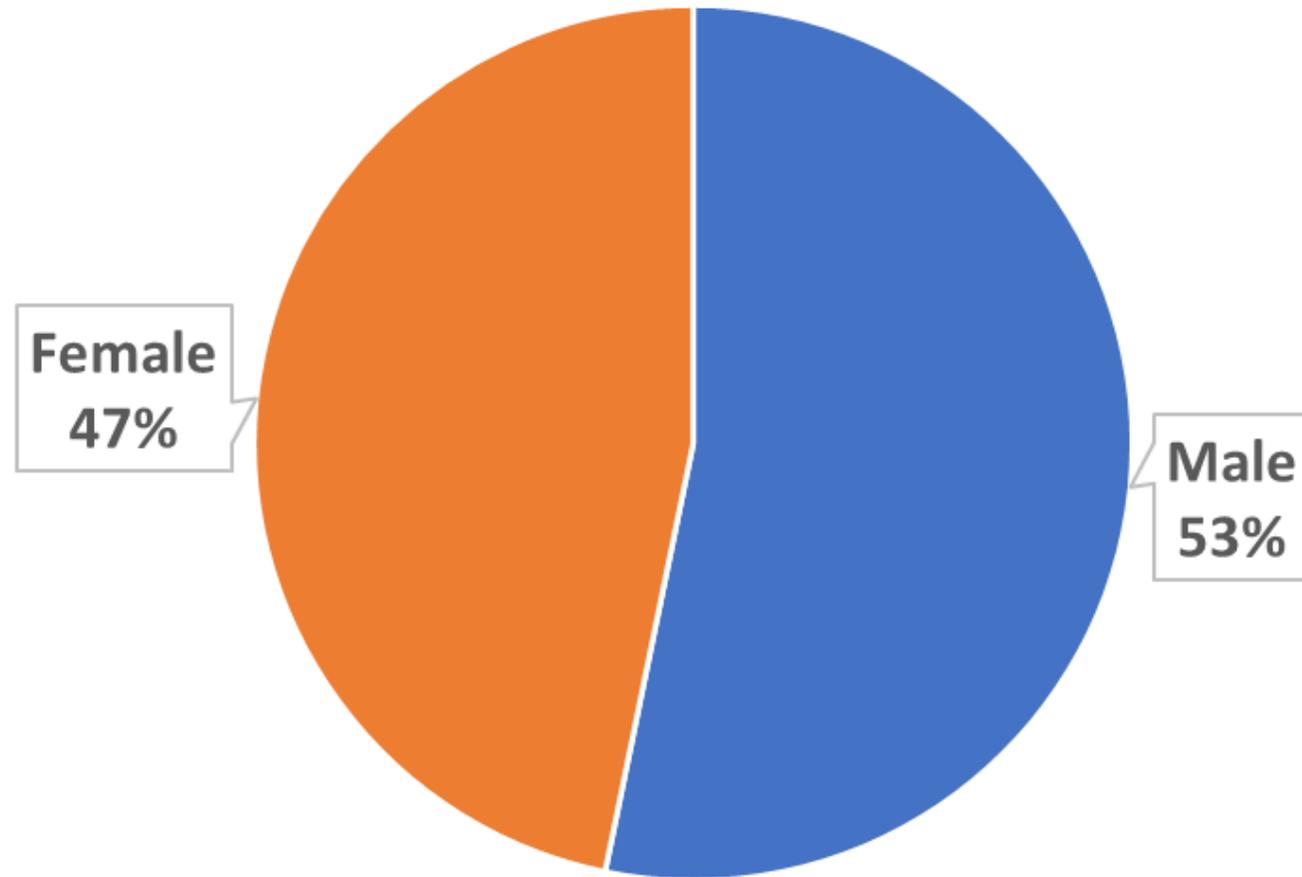
26.9: India

■ SDG: Europe (SDG_EUR) ■ India (IN) ■ SDG: Northern America (SDG_NAM)

HEIs in India



Enrolment

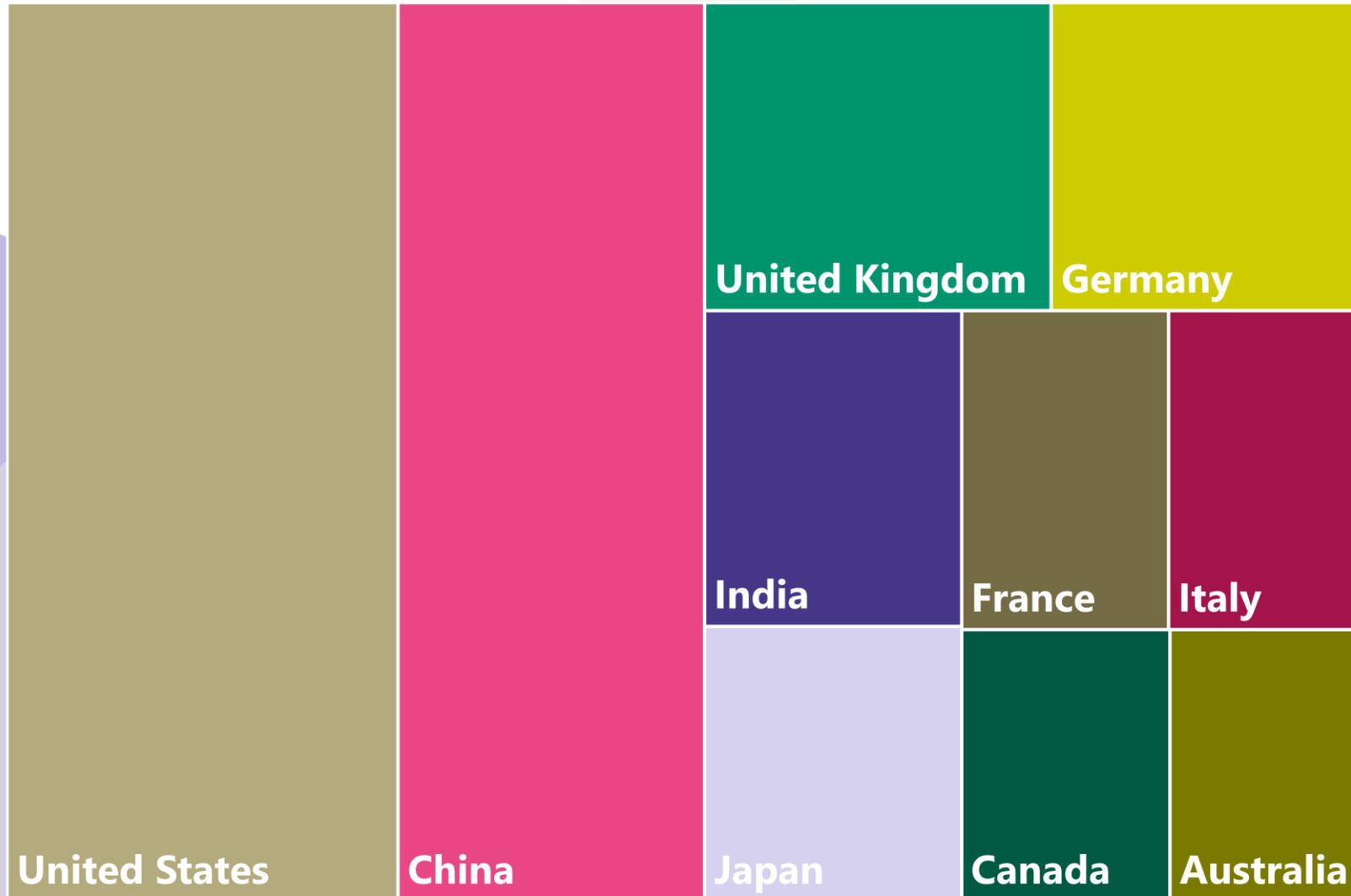


Some more stats

- 68 female teachers per 100 male teachers
- Pupil Teacher Ratio (PTR) is 22 in colleges, whereas in Universities it is 19
- 28,779 students were awarded Ph.D. during 2016 with 16,274 males and 12,505 females

Source: All India Survey of Higher Education 2016-2017

Research productivity

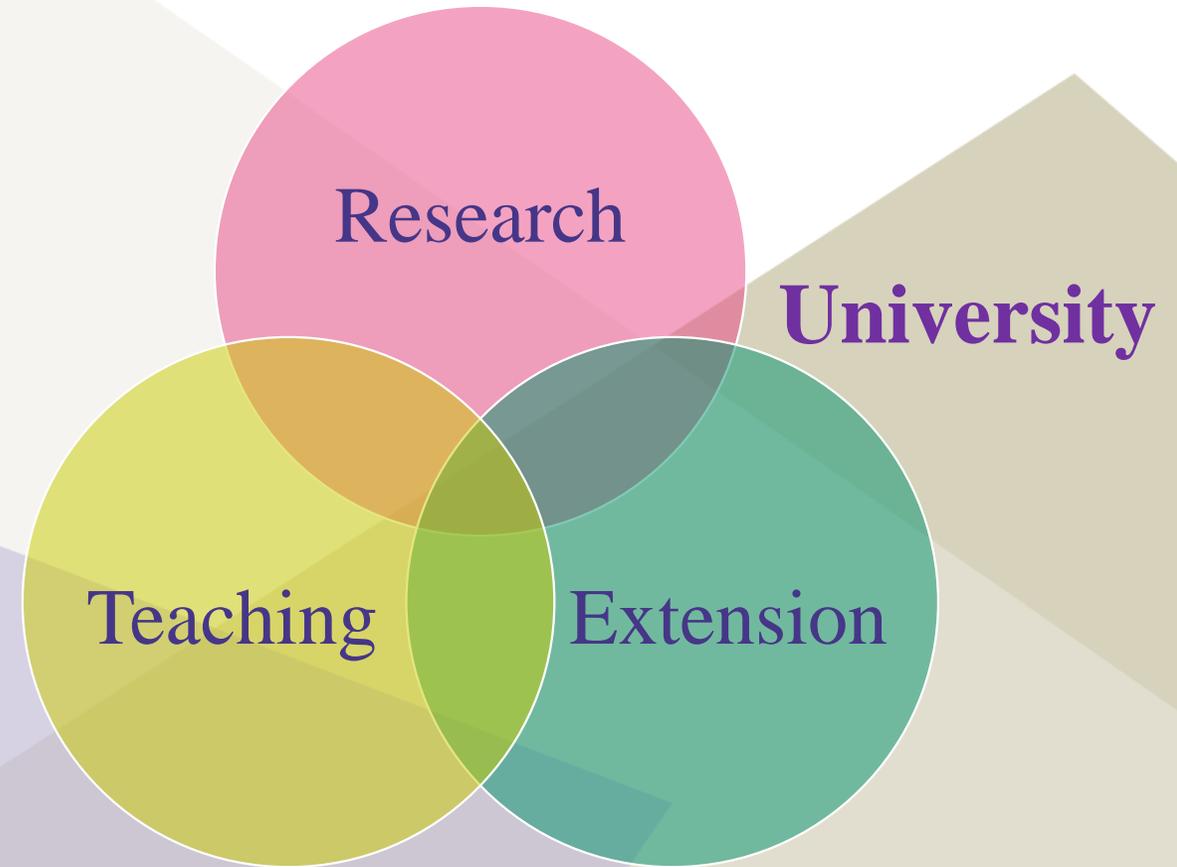




Higher Education

What is Higher Education?

- University
- Research Centre
- College



Higher Education is...

A genuine higher education is unsettling; it is not meant to be a cosy experience. It is disturbing because, ultimately, the student comes to see that things could always be other than they are. A higher education experience is not complete unless the student realizes that, no matter how much effort is put in, or how much library research, there are no final answers.

- Barnett (1990)

Higher Education is...

- Quest for excellence
- Creativity
- Critical inquiry
- Exploration of truth
- Discovery
- Discussion, debate and dialogue
- Development
- Scholarship



Scholarliness relates to...

- **Discovery** – as creation of new knowledge in a specific discipline
- **Integration** – as making connections across the disciplines
- **Application** – as service activities that are tied directly to one's special field of knowledge and flow from the expertise of the scholar.
- *Teaching* – as a scholarly enterprise beyond the mundane transmission of facts.

- Boyer (1990)

... and teaching continues





Key Issues

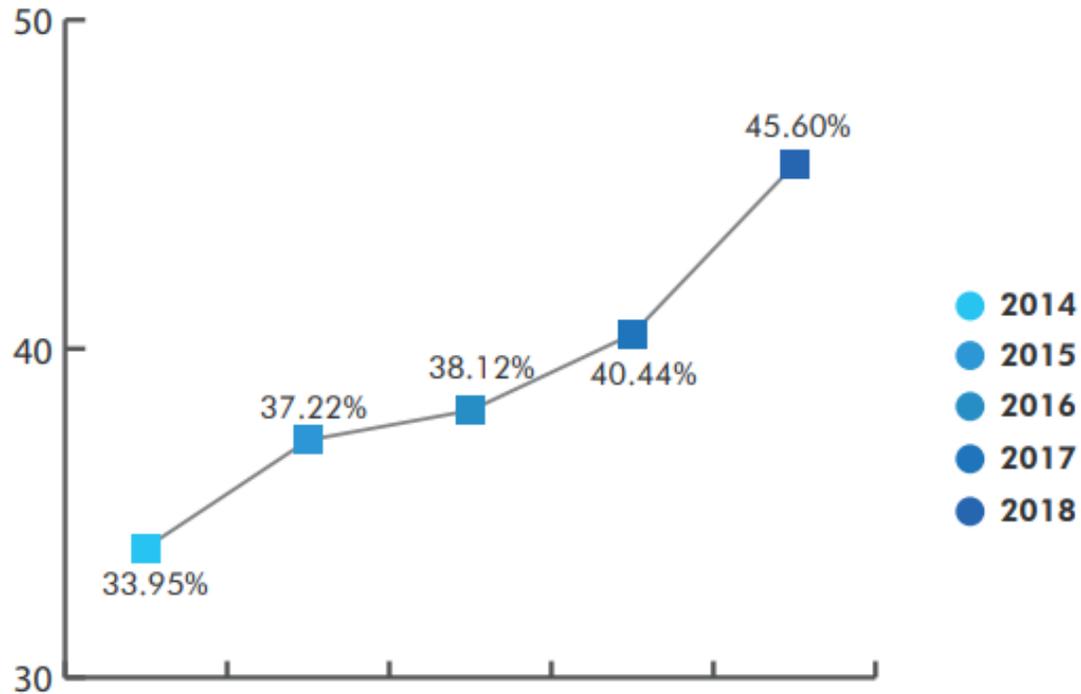
The fallacy of rankings

- Rural vs urban bias
- Availability of best teachers and students
- Funding support of research and innovations
- Create categories amongst institutions
- Question the parity of qualifications



Skills gap

OVERALL EMPLOYABILITY



Source: India Skills Report 2018

Top 10 skills

in 2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

in 2015

1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity

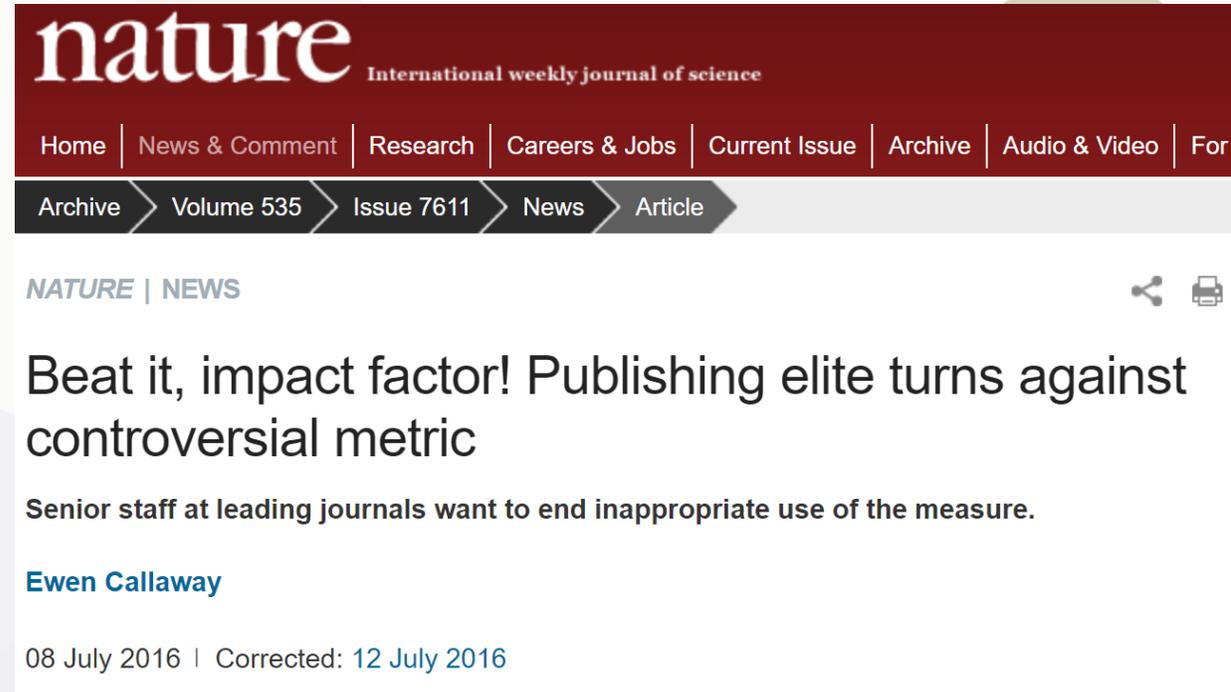


Source: Future of Jobs Report, World Economic Forum

<https://www.weforum.org/agenda/2016/01/the-10-skills-you-need-to-thrive-in-the-fourth-industrial-revolution/>

Impact assessment

- Fuzziness in recruitment of quality human resources
- Focus on indexing journals and impact factors
- Measuring good teaching and research



The screenshot shows the top portion of a Nature news article. The header is dark red with the 'nature' logo in white and the tagline 'International weekly journal of science'. Below the header is a navigation bar with links for Home, News & Comment, Research, Careers & Jobs, Current Issue, Archive, Audio & Video, and For. Below the navigation bar is a breadcrumb trail: Archive > Volume 535 > Issue 7611 > News > Article. The main content area has a sub-header 'NATURE | NEWS' and a title 'Beat it, impact factor! Publishing elite turns against controversial metric'. Below the title is a short summary: 'Senior staff at leading journals want to end inappropriate use of the measure.' The author's name 'Ewen Callaway' is listed below the summary. At the bottom of the article preview, the date '08 July 2016' and a correction notice 'Corrected: 12 July 2016' are visible.

nature International weekly journal of science

Home | News & Comment | Research | Careers & Jobs | Current Issue | Archive | Audio & Video | For

Archive > Volume 535 > Issue 7611 > News > Article

NATURE | NEWS

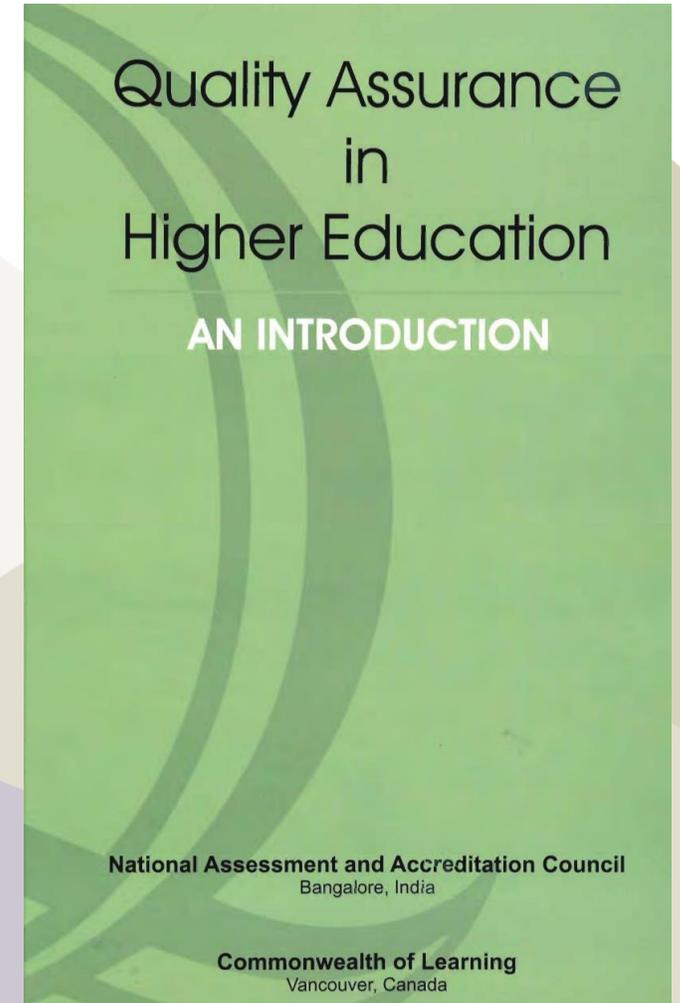
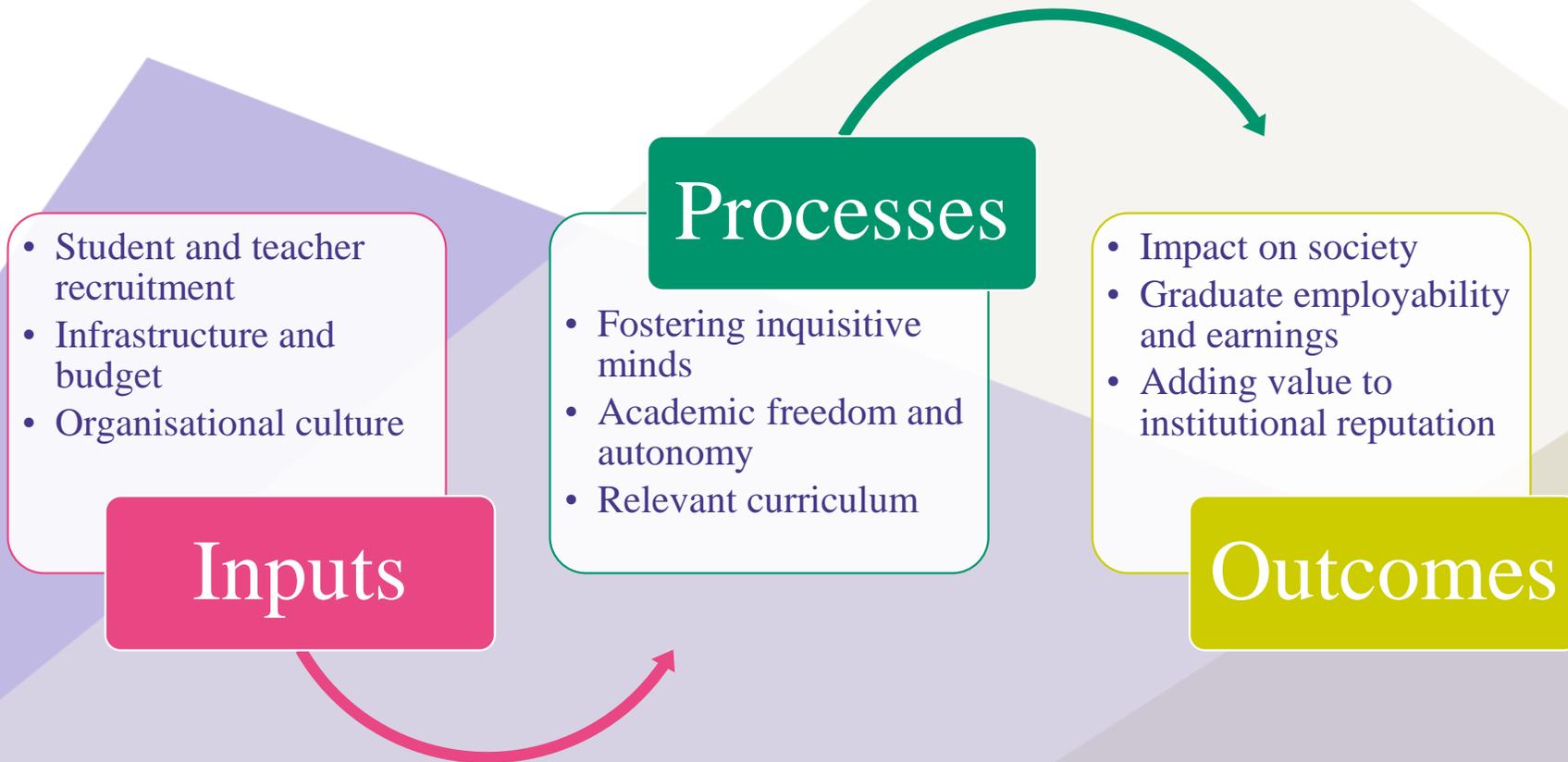
Beat it, impact factor! Publishing elite turns against controversial metric

Senior staff at leading journals want to end inappropriate use of the measure.

[Ewen Callaway](#)

08 July 2016 | Corrected: [12 July 2016](#)

Quality enhancement





*Role of Library
Professionals*

What library professionals do?

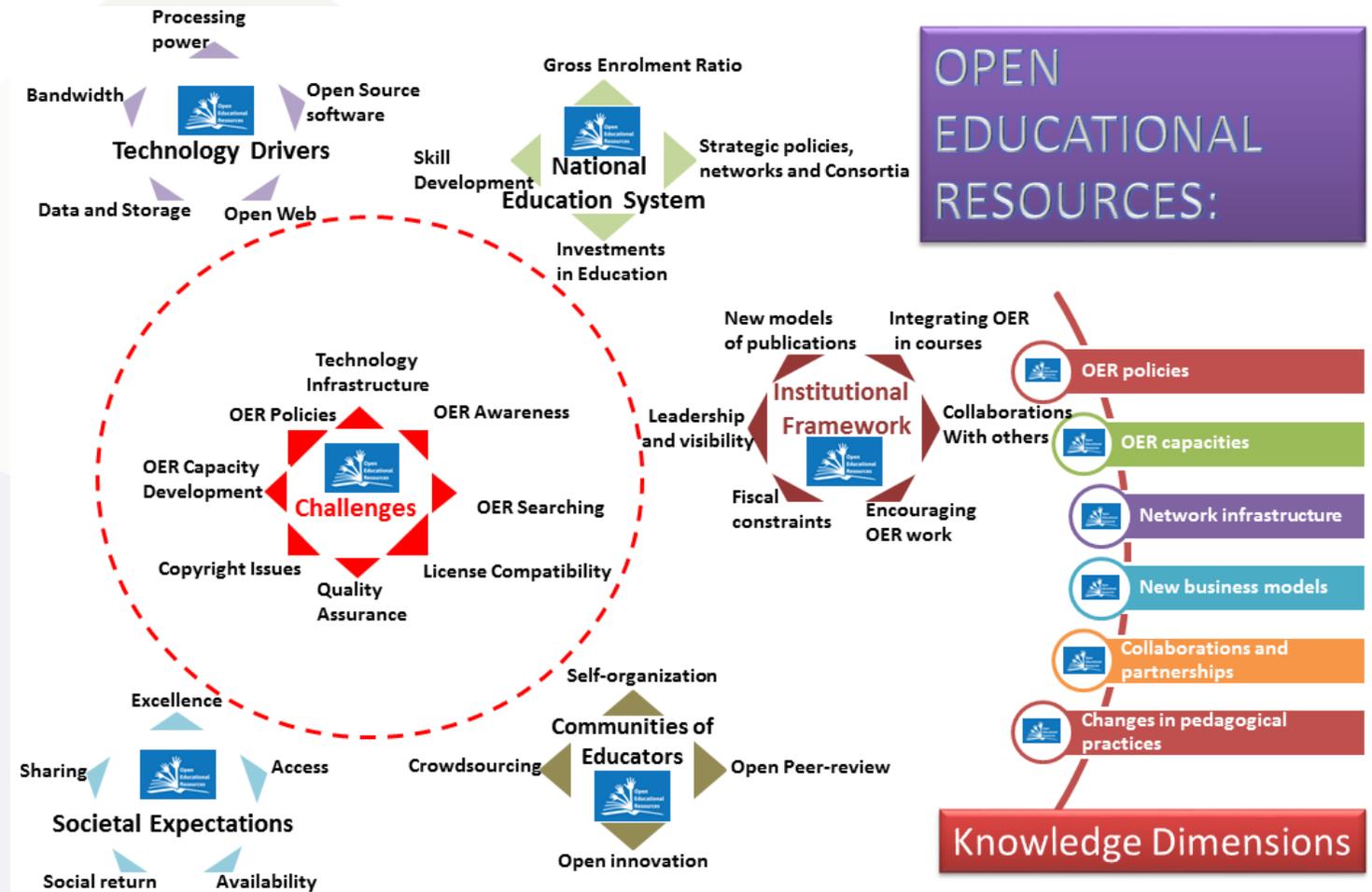
- Bibliographic control (knowledge about where you can find knowledge)
- Process knowledge in various formats to help easy retrieval
- Optimise available resources (through collaboration)
- Create enabling environment for learning and research

Role in teaching, research and learning

- Not limited to academic libraries
- Library as place of formal as well as informal learning
- Support in continuous professional development
- Access to research literature on different subject domains
- Organised access to digital resources for teaching and learning
- Contribute to curriculum design and transactions

Open Educational Resources

OER are teaching, learning and research materials in any medium that reside in the public domain or have been released under an open license that permits their free use and in some instances, re-purposing by others



Open Educational Resources

- Promote OER use by teachers and students
- Evaluate OER for use by students and teachers
- Curate OER in different disciplines

The screenshot shows the Commonwealth of Learning (C.O.L.) website interface. At the top left is the C.O.L. logo with the text 'COMMONWEALTH of LEARNING' and 'Learning for Sustainable Development'. To the right, the page title is 'Understanding Open Educational Resources (OER) Introduction'. Below the header is a blue banner with the 'Open Educational Resources' logo on the left and a form on the right. The form is titled 'Tell Me Your Name' and contains the instruction: 'Enter your name in the field below and select the Submit button. This will be used to Print the module completion certificate at the end of the module.' There is a text input field and a yellow 'Submit' button. Below the banner is a silhouette of a diverse group of people. At the bottom, there is a navigation bar with icons for 'HELP', 'RESOURCES', 'AUDIO ON', 'TRANSCRIPT', and 'QUICK CHECKS'. To the right of the navigation bar, it says 'Module Progress 1%' and '01 | 04'.

<http://tell.colvee.org/course/view.php?id=3>



Open Access

the provision of free access to peer-reviewed, scholarly and research information to all. It envisages that the rights holder grants worldwide irrevocable right of access to copy, use, distribute, transmit, and make derivative works in any format for any lawful activities with proper attribution to the original author.



OA Resources

- For Librarians
- For Researchers



Open Access for Librarians

Introduction to Open Access
Course Introduction

ME

Tell Me Your Name

Enter your name and academic or professional affiliation/institution in the field below and select the Submit button. This information will be used to print the course completion certificate at the end of the course.



United Nations
Educational, Scientific and
Cultural Organization



Open Access for Researchers

Introduction to Open Access for Researchers
Course Introduction

MENU

Tell Me Your Name

Enter your name and academic or professional affiliation/institution in the respective fields below and select the Submit button. This information will be used to print the course completion certificate at the end of the course.

Aa
GLOSSARY

CREDITS

Course Progress: 0%



01 | 08

<http://www.unesco.org/new/en/communication-and-information/access-to-knowledge/open-access-to-scientific-information/>



New roles of Library professionals

- Using bibliometrics effectively to support institutional needs
- Innovation in use of technology for teaching and learning
- Measuring teaching quality at institutional level
- Research to improve institutional metrics
- Manager of institutional knowledge

Thank You