

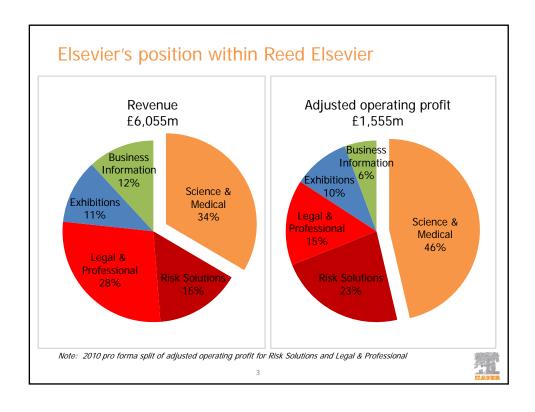
Reed Elsevier investor seminar Elsevier Science & Technology and the research industry

December 6, 2011 London



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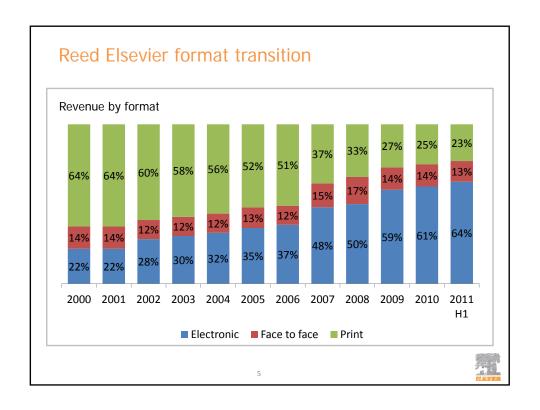
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Core elements of the Reed Elsevier approach to building customer and shareholder value

- Deliver information based tools to professional customers which demonstrably improve their economics
- Combine high value information with analytics and technology to create outcome enhancing solutions
- Build on leading positions in long term globally growing markets
- Leverage our scale and manage our cost base; aim to keep cost growth below revenue growth

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Latest Elsevier trading update

"Underlying revenue growth of 2%. Science & Technology grew 4% with solid subscription revenues in research and continued good growth in databases and tools. Health Sciences remained flat with good growth in research and in online revenues across all areas, offset by continuing declines in European pharma promotion and in print book sales to individual customers with increasing pressures particularly in European markets. More broadly the institutional customer environment across the world is similar to a year ago with continued variations by customer and geography."

Reed Elsevier 16 November 2011 IMS



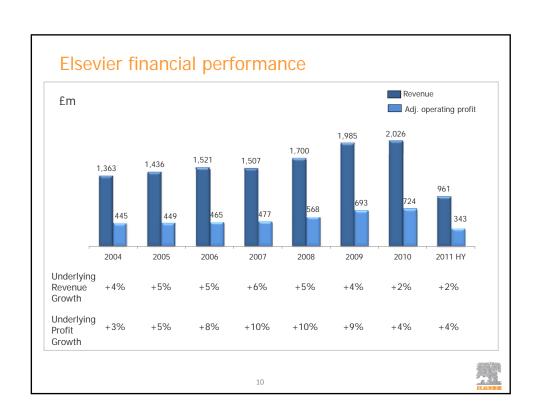
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Outcome enhancing online solutions	Jay Katzen, MD S&T Academic & Government Markets
Driving operational efficiency	Adriaan Roosen, EVP Operations Elsevier
Q&A	Ron Mobed, CEO S&T
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Elsevier: Global leader in science and health information Cell Sciverse Sciverse MD CONSULT Science Technology & Medical division of Reed Elsevier Founded >130 years ago Revenues: £2.0bn (2010) Customers in >180 countries Serving >30 million scientists, students, health and information professionals 14,500 FTEs: ~6,500 employees in 25 countries; ~8,000 outsourced FTEs



Elsevier's mission

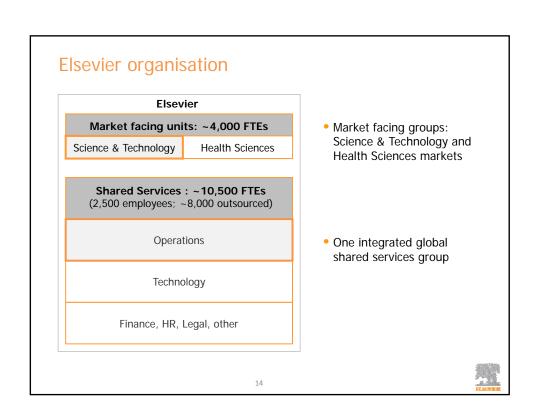
"Help customers advance science and improve healthcare, by providing world-class information and innovative solutions that enable customers to make critical decisions, enhance productivity and improve outcomes."

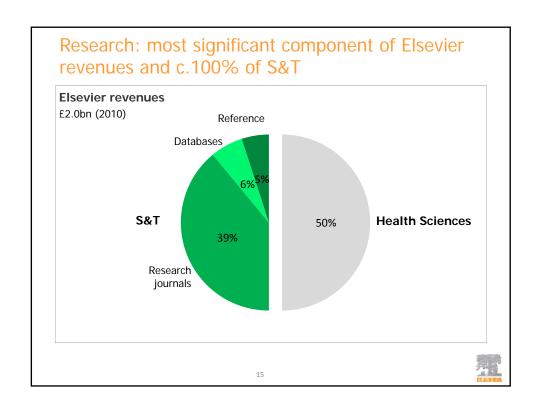
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Elsevier's strategic priorities 1. Build world-class Content: primary research; databases; reference content World-class (measured by independent metrics) Customer understanding 2. Get closer to our Customer service customers Customer satisfaction 3. Deliver outcome Combine content, customer insight and technology to improve enhancing online End user productivity solutions Institutional economics 4. Focus on high Emerging markets; databases and tools growth segments 5. Drive organisational Relentlessly pursue process innovation efficiency 6. Invest in our Deep domain expertise Talent management people

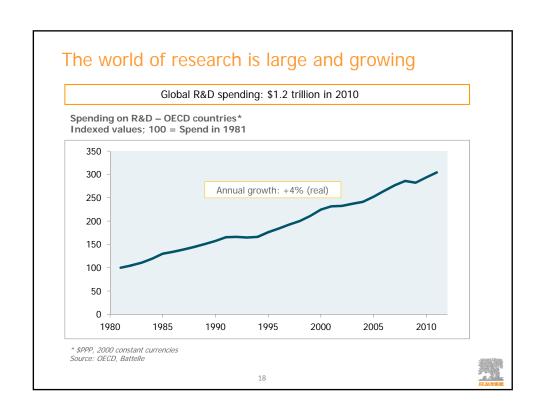


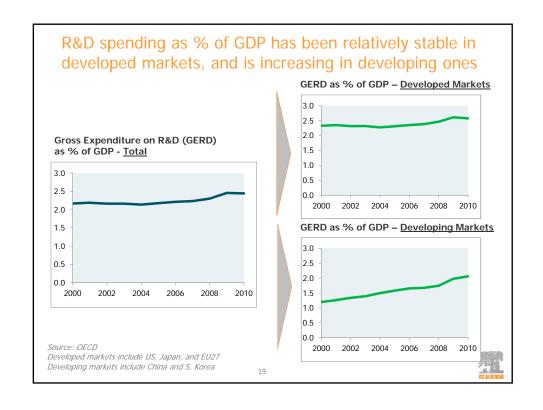


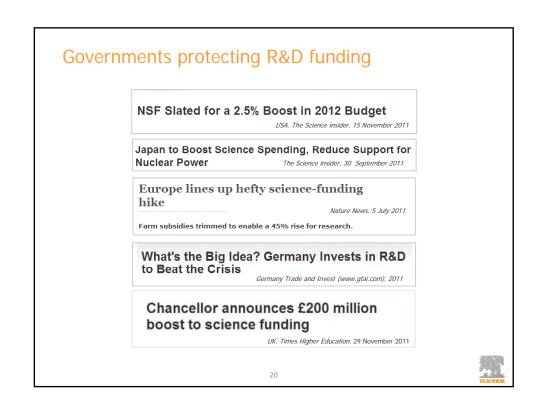


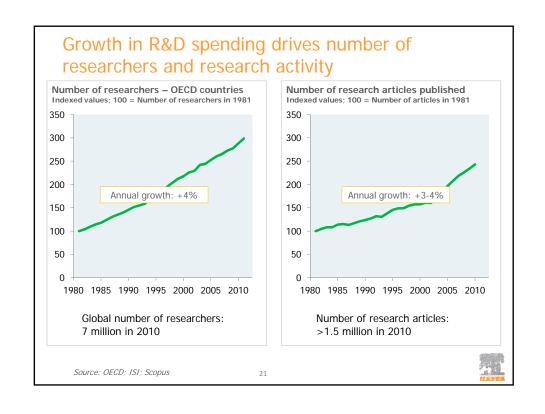
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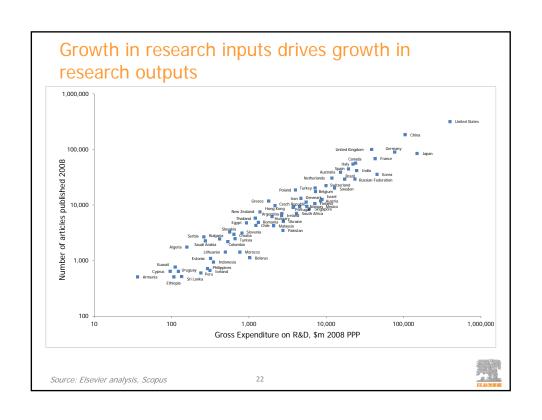


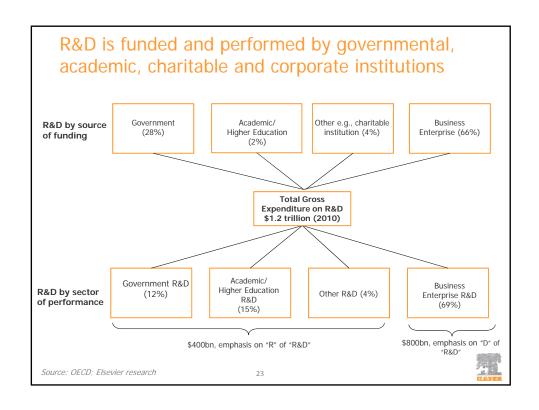


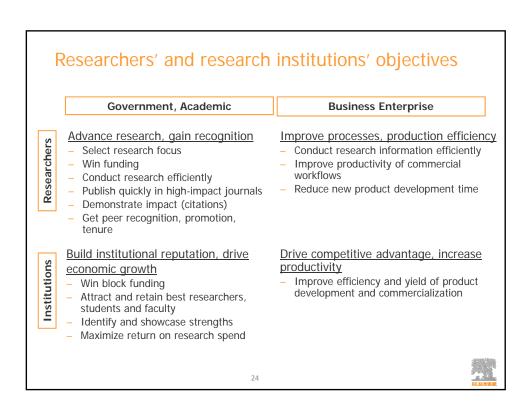












Research information is critical to research

Research information...

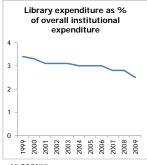
- Is necessary to conduct research
 - "If I have seen further, it is only by standing on the shoulders of giants" Sir Isaac Newton, 1676
- · Gets better research results
 - Increases quality: accurate, definitive, best-practices
 - Increases focus: leverages other discoveries
 - Benefits intensified through collaboration
- Improves productivity
 - Eliminates duplication of research activity
 - Saves researchers' time
 - Outsell study example: Science & Engineering the only professions in which time spent gathering information decreased, time spent analysing increased
 - Helps institutions to compete by winning funding, recruiting talent and encouraging collaboration
 - RIN study example: 2x increase in article downloads associated with an increase of 3x in papers authored, 3x in PhDs awarded, and 4x in grants won

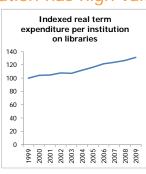
Source: Research Information Network/Ciber - E-Journals, their use, value and impact. 2009

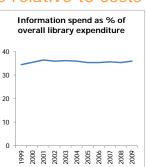
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Research information has high value relative to costs





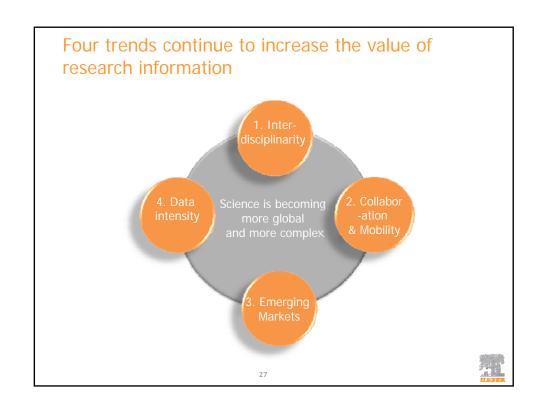


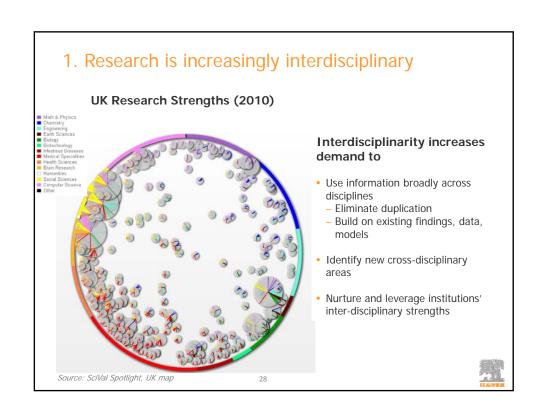
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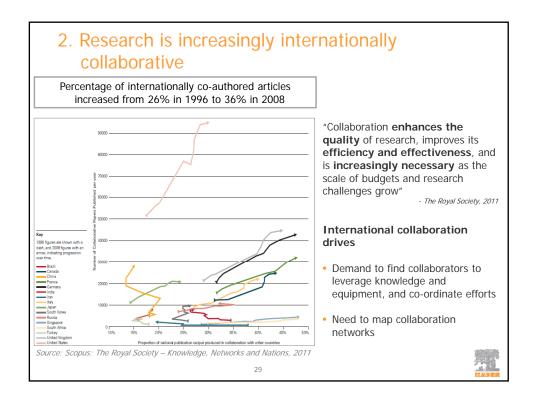
- Library expenditure has decreased as % of overall institutional budgets to 2-3%
- but has grown in real terms
- Information spend (c.35% of library spend) is c.1% of institutional expenditure
 - and drives effectiveness and efficiency of remaining 99% of institutions' spend on research activity

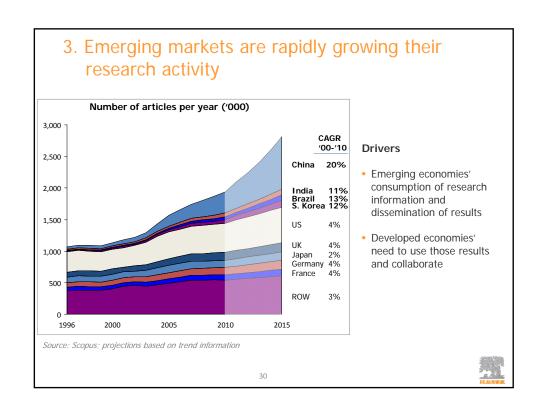
Source: RIN - Trends in the finances of UK higher education libraries:1999-2009, 2011. SCONUL = Society of College, National and University Libraries

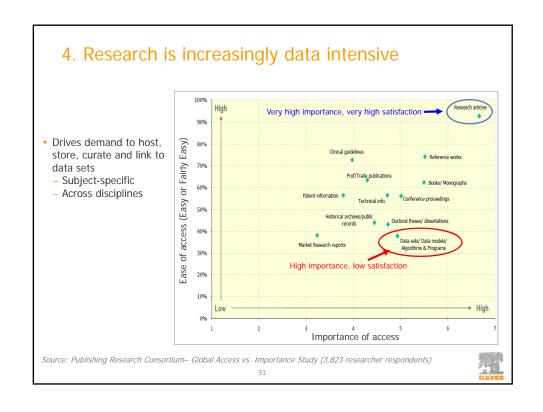


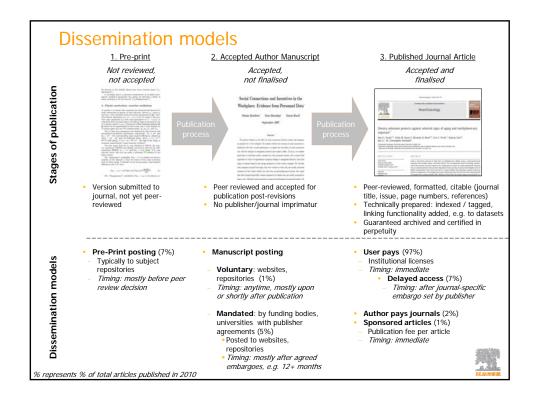












The world of research

- · Research is a large and growing industry
 - Real annual growth in R&D spending: +4%
 - Annual growth in number of researchers: +4%
 - Growth in articles published: +3-4%
- Research information is essential to improve research outcomes and efficiency
 - Necessary to conduct research
 - Gets better results
 - Increases productivity
 - High value relative to cost
- Research industry trends make research information even more valuable
 - Interdisciplinarity
 - Collaboration and mobility
 - Growth of emerging markets
 - Data intensity

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Q&A Ron Mobed, CEO S&T

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solutions Mark

Driving operational efficiency Adriaan Roosen, EVP Operations Elsevier

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Closing remarks Erik Engstrom, CEO Reed Elsevier

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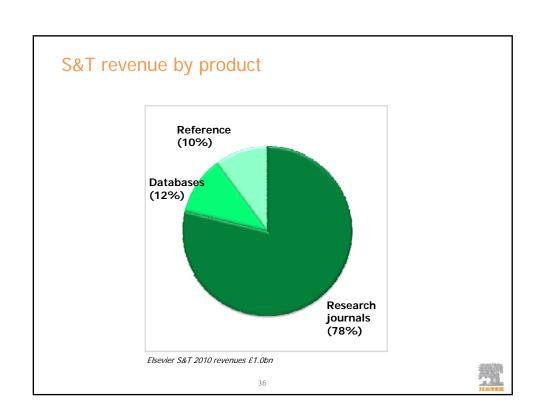
Elsevier Science & Technology

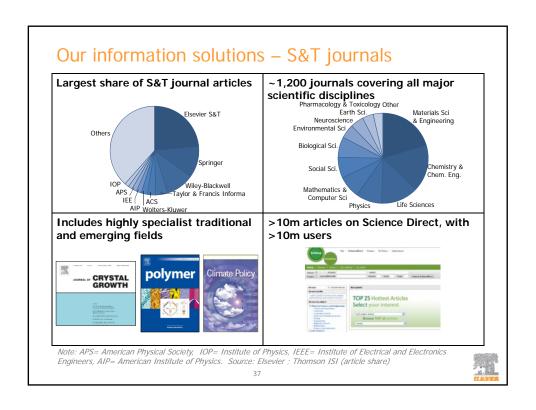
"Improve research
outcomes and productivity
for researchers and their
managers"

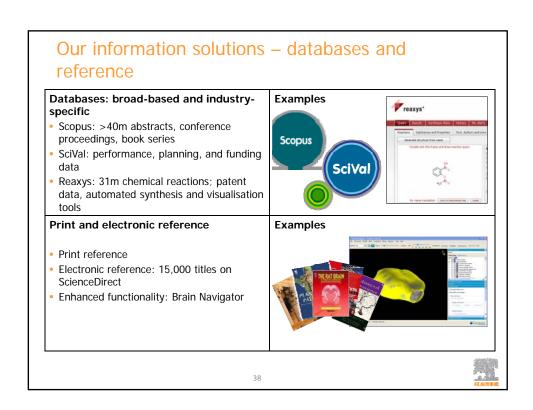
Market leading information solutions, combining

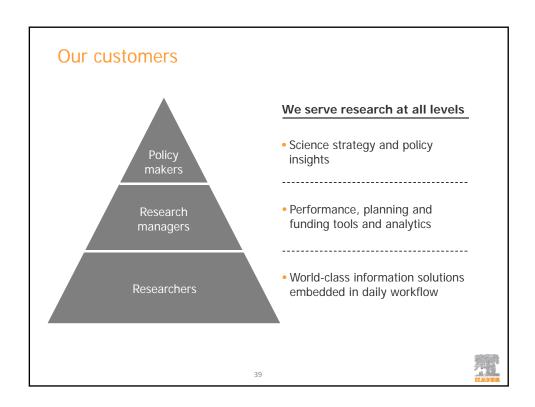
- World class content
- · Analytics and tools







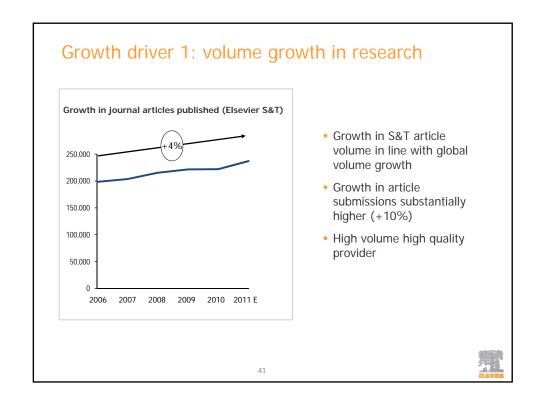


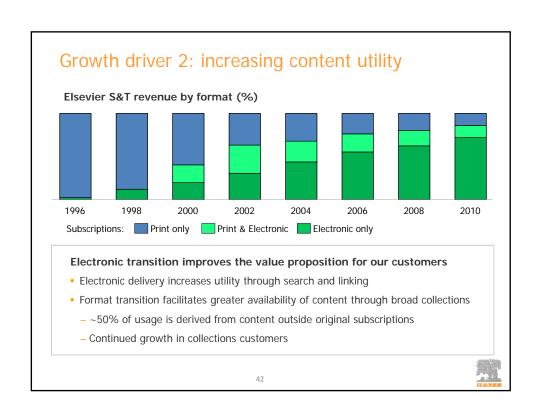


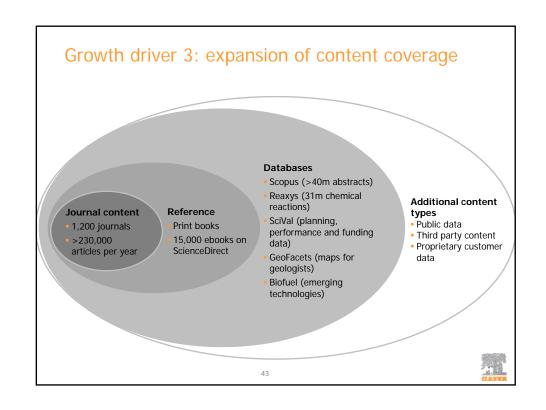
S&T growth drivers

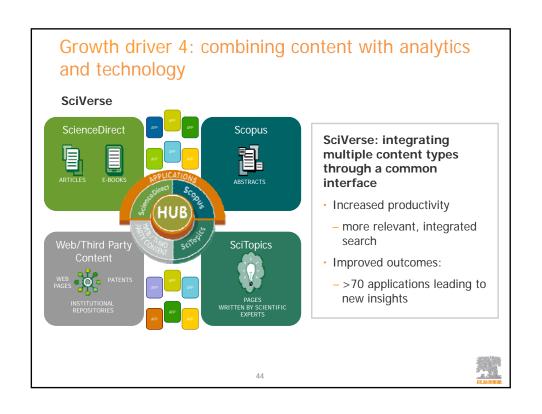
- 1. Volume growth in research
- 2. Increasing content utility
- 3. Expansion of content coverage
- 4. Combining content with analytics and technology

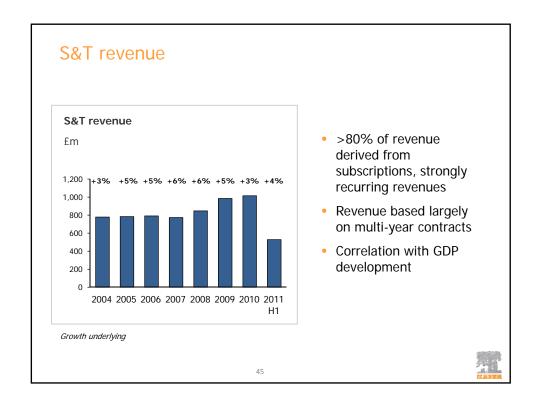
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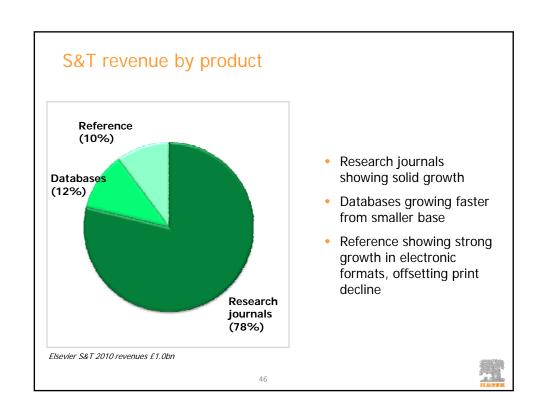


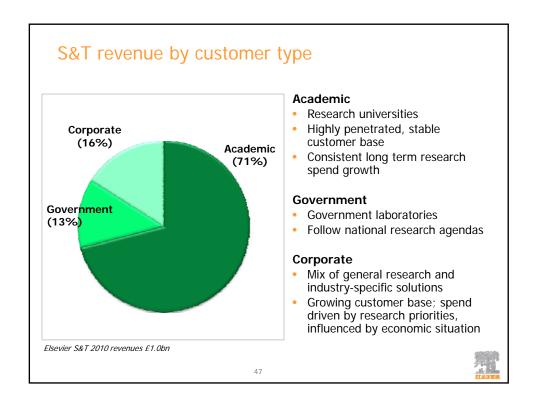


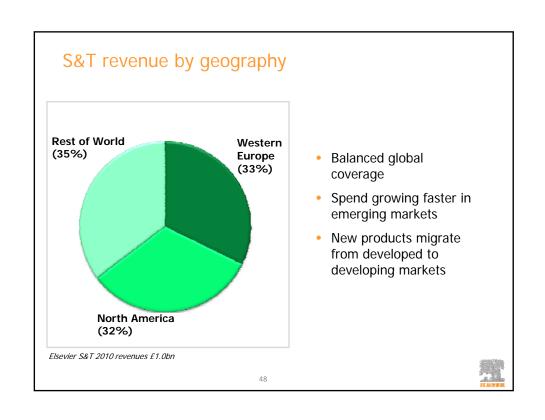


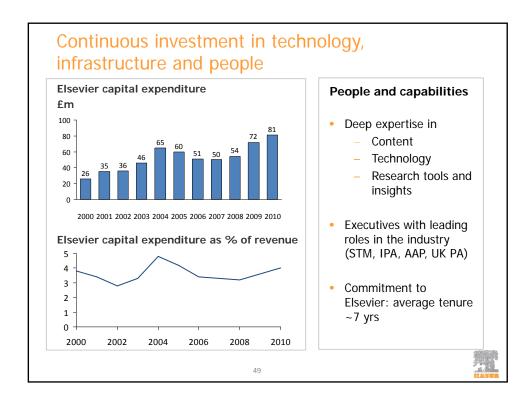












Elsevier Science & Technology

- Improve research outcomes and productivity for researchers and their managers
- Deliver revenue growth through
 - Volume growth in research
 - Increasing content utility
 - Expansion of content coverage
 - Combining content with analytics and technology
- Sustain investment in technology, infrastructure and people



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Elsevier Science & Technology

"Improve research
outcomes and productivity
for researchers and their
managers"

Market leading information solutions, combining

- World class content
- Analytics and tools

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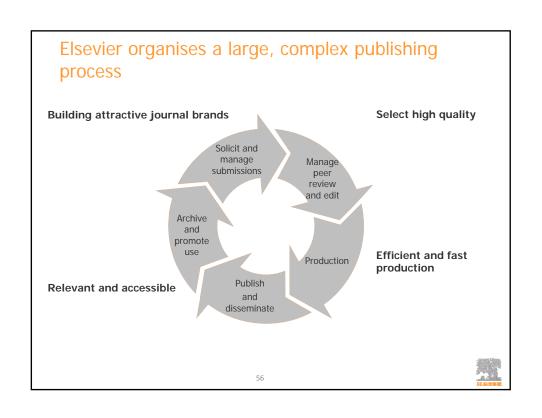
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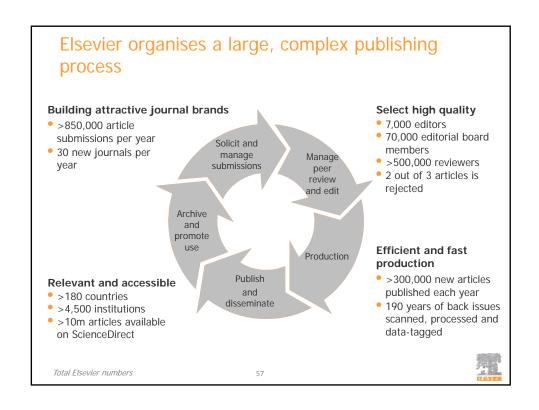
The scientific article is the cornerstone of research

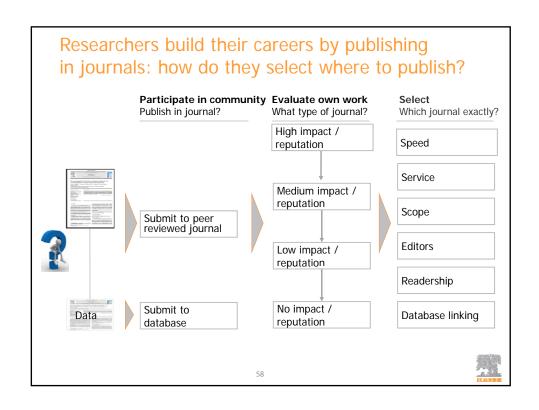
- Research starts with reading peer-reviewed articles and ends with writing peer-reviewed articles
- What is not published in a peer reviewed publication is not part of the formal record of science

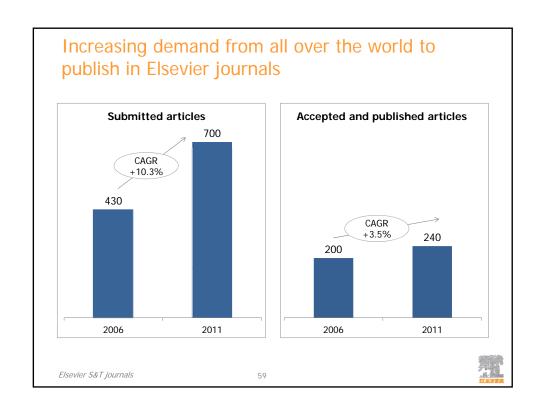
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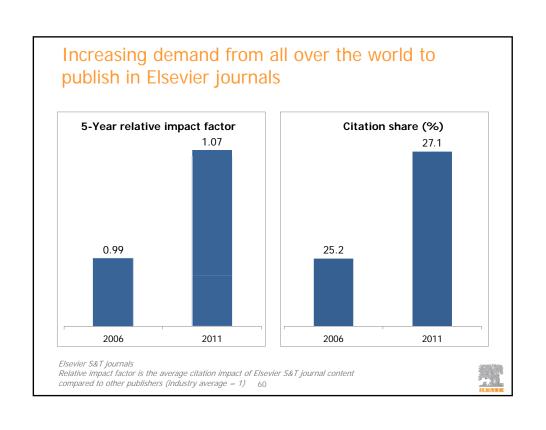
Identify/ develop research topic	Secure funding	Perform research	Publish	Outcome
funded before Define scope	Identify collaboration partners Identify relevant funding agencies Write proposals Submit proposals	 Plan research Gather and analyse existing data sets Check existing materials & methods Set up experiments Check findings against literature Present preliminary findings at conference 	 Write draft Build figures and data sets Cite all relevant previous research Submit article Revise article Check article proof Create visibility 	Contribute to progress of science Be cited Build personal bibliography Peer recognition Get tenure Win awards

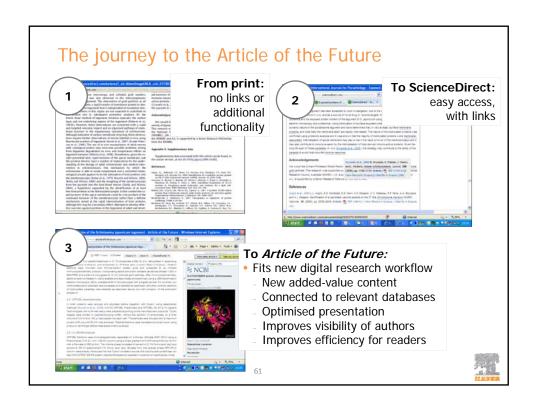


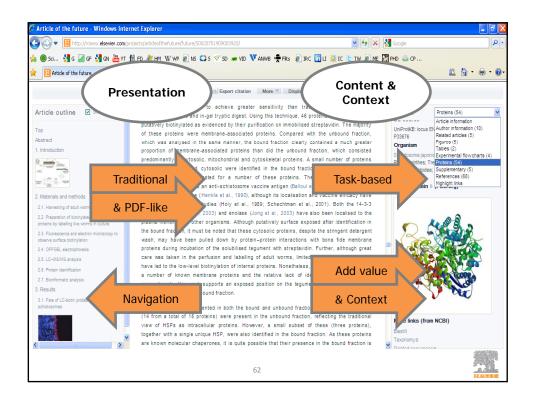


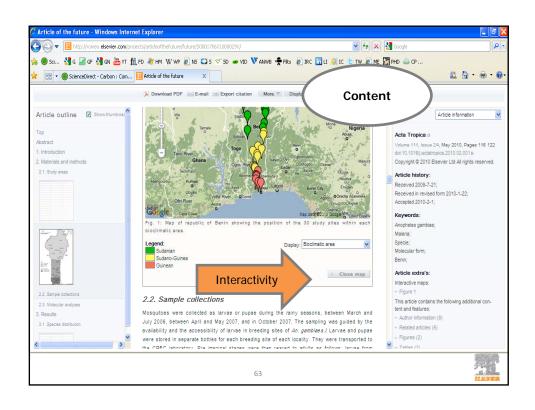


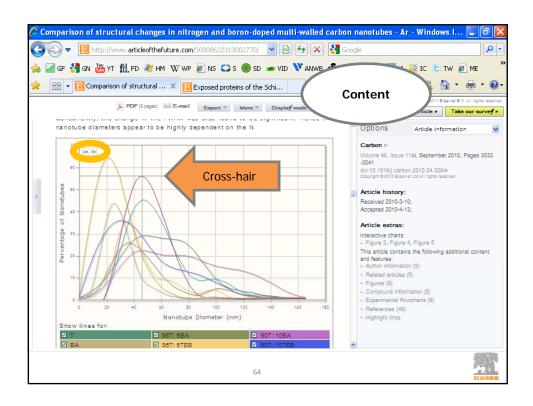


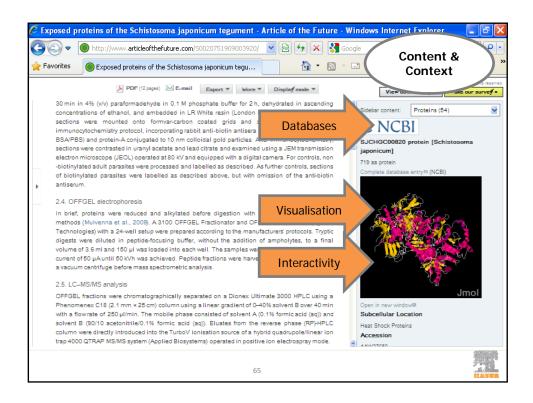








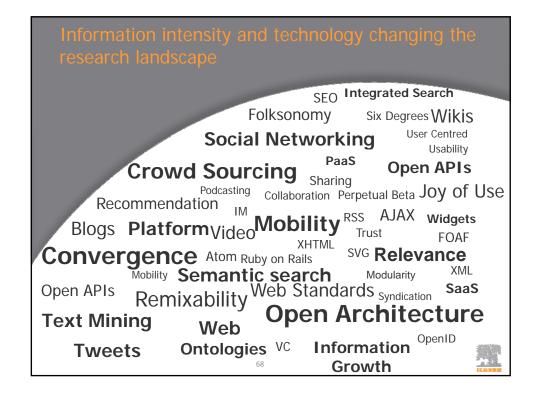




Elsevier leads in journal publishing

- The research article continues to be of critical importance to scientists
- The publishing process is complex, granularly sensitive, and requires deep understanding of the specific needs of scientific communities
- Elsevier journals are more attractive than ever, enabling us to select the best and most relevant content
- The article is changing further into a technologically enriched and more valuable carrier of research. Elsevier leads this path of change

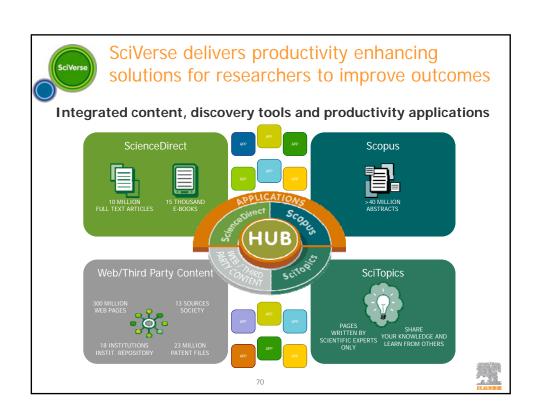
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Researchers' needs driven by changing environment

- The researcher requires
 - Fast and efficient access to disparate types of content that combine broad coverage with highly specific search capabilities
 - Relevancy of results based on their discipline-specific criteria of quality
 - Solutions that are personalisable and customisable to solve researchers' particular problems
 - Open APIs to enable researcher to create new tools to solve problems and improve productivity

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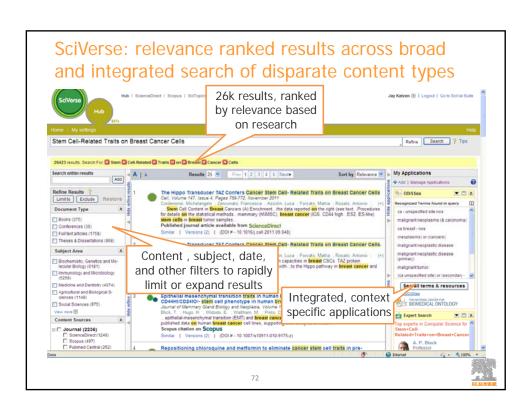


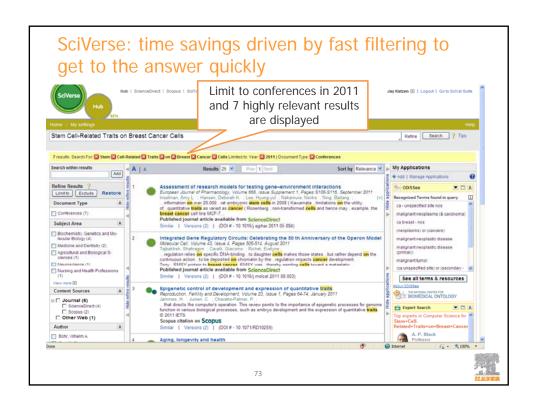
Customer case study: SciVerse

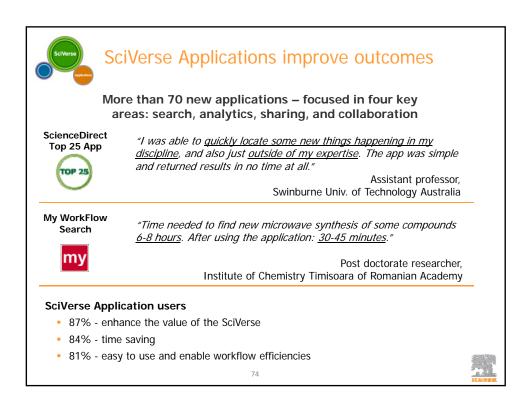
Assistant Director, Researcher

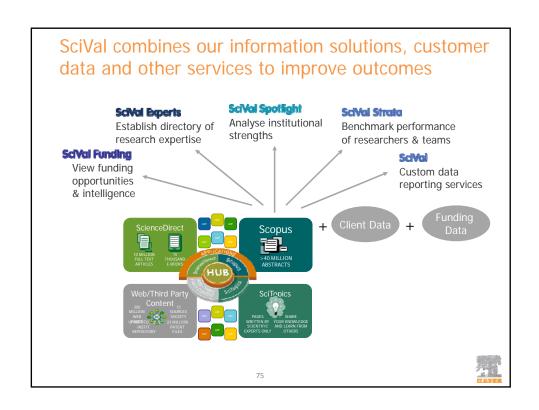
Situation: A biologist is researching the potential links between cancer and stem cells.

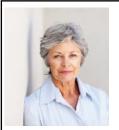
Researcher Pain Point: Whether there is a link between cancer and stem cells is a hotly debated topic at the moment. The most recent information is most valued, but it can be hard to find with the avalanche of results generated by such popular search terms.









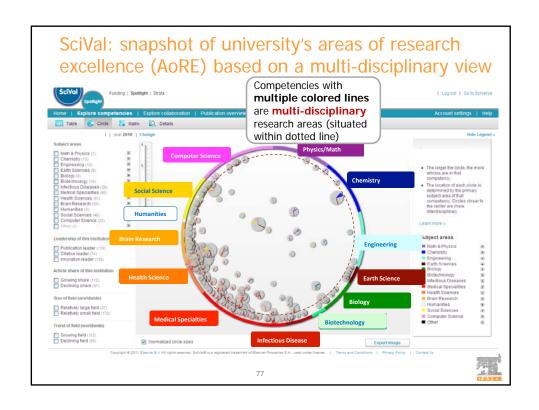


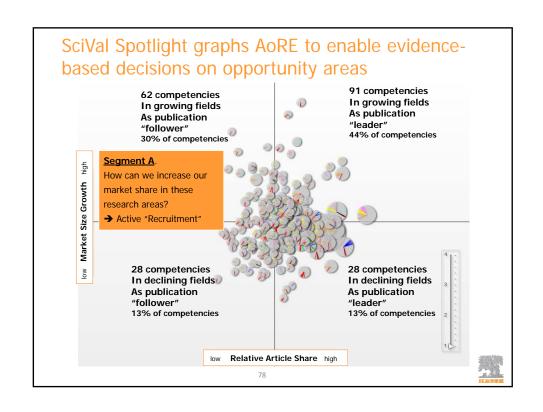
Customer case study: SciVal Spotlight

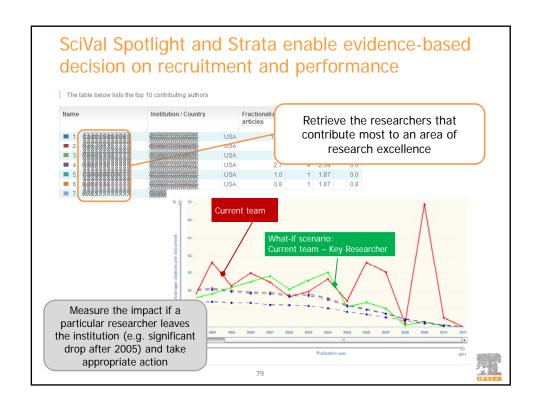
Deputy Vice Chancellor, Vice President of Research

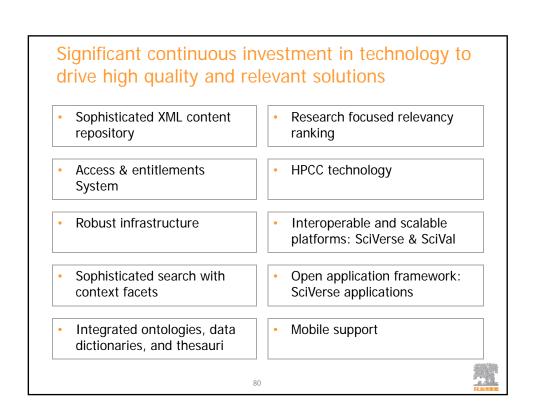
- Challenge: Making informed decisions on strategic direction: what are our strengths and how do we improve?
- Problem: Lack of reliable and efficient tools based on evidence and how research is performed today











Outcome enhancing online solutions

- Researchers' needs are increasingly complex: demand for more efficient ways of finding information and using technology to improve outcomes
- Research executives need evidence-based data to improve key strategic decisions to drive performance
- We continuously invest in content, tools and technology to improve outcomes and productivity across the research continuum

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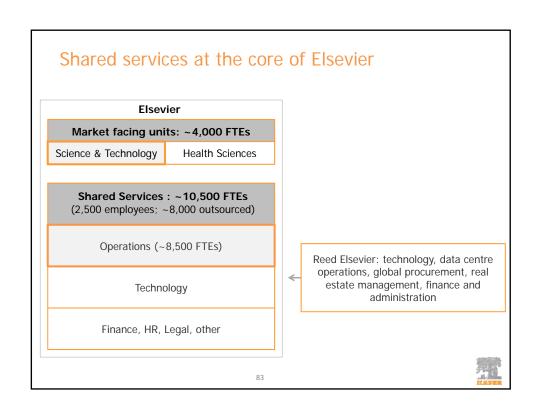
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Activity	Location	Annual volumes (2010)
Journal Editorial Production	San Diego, Exeter, Chennai	>850,000 submitted articles
Book Project Management & Production	Oxford, St Louis, Waltham, Chennai	730,000 published pages
Customer Services	St Louis, Oxford, Singapore, Chennai	500,000 customer engagements
Abstracting and Indexing Operations	Amsterdam, Chennai	2m new Scopus abstracts
Editorial Production Systems	Amsterdam, Chennai, Philadelphia	>100m interactions with 2.5m individuals

Driving operational efficiency

Quality & operational execution

- · Management by metrics
- · Continuous improvement Lean 6Sigma
- · Relentless pursuit of efficiencies
- Cost growth < revenue growth

Increasing off-shore capability

- 2011: >25% (400) of Operations FTEs off-shore
- 12% capacity increase YOY from 2009-2011
- · Cost savings and flexibility to scale
- · Platform for growth

Leveraging well established supplier base ~7,000 FTE's

- · Consolidation of suppliers; strategic relationships
- · Continuous efficiency gains and tariff savings
- · Supplier innovation in process and technology

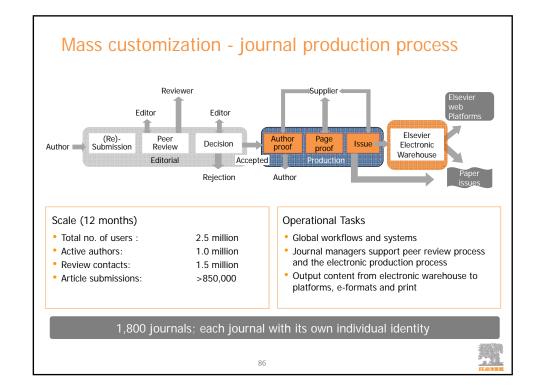


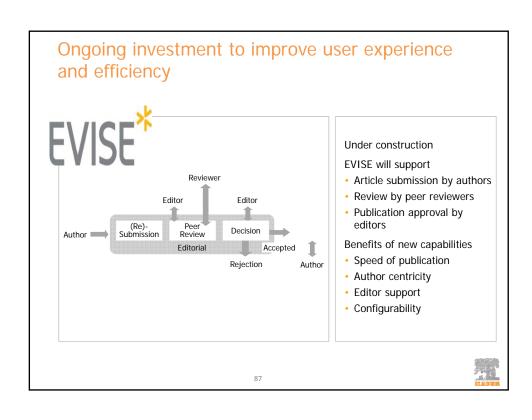


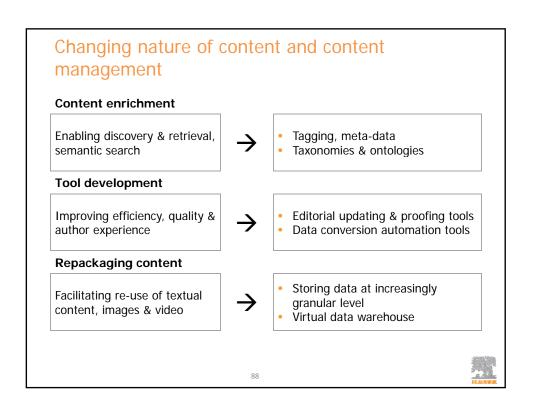
Quality management

- Collaborative quality control
- · Routine auditing
- Random checks









Elsevier operations

- A global organisation committed to operational excellence
- Track record of driving operational efficiencies
- Unparalleled scale & flexibility
- Continuous improvement culture supported by Lean6Sigma
- · Designed to support Elsevier's growth agenda

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Outcome enhancing online solutions

Driving operational efficiency

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