

# Introduction to Author Workshop

**Dr Frans Lettenstrom**  
**Director, Library Sales**  
**Samara/Moscow – 11-12 March 2014**

- Original reports of data/theory
- Assert priority
- Correspondence between scientists
- Paper making technology (China 105)
- Movable-type printing (China 1040)
- "Gutenberg" printing technology (Korea <1403)
- Silver & gold from America (1492-)
- The two first scientific journals (1665)
  - Philosophical Transactions (London)
  - Journal des Savants (Paris)

PHILOSOPHICAL  
TRANSACTIONS:  
GIVING SOME  
ACCOMPT  
OF THE PRESENT  
Undertakings, Studies, and Labours  
OF THE  
INGENIOUS  
IN MANY  
CONSIDERABLE PARTS  
OF THE  
WORLD.

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*Vol I.*

For *Anno* 1665, and 1666.

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In the SAVOY,  
Printed by T. N. for *John Martyn* at the Bell, a little with-  
out *Temple-Bar*, and *James Allestry* in *Duck-Lane*,  
Printers to the *Royal Society*.

*Presented by the Author May. 30<sup>th</sup> 1667.*

LE  
JOURNAL  
DES  
SCAVANS

Du Lundy V. Janvier M. DC. LXV.

Par le Sieur DE HEDOVILLE.



A PARIS,

Chez IBAN CVSSON, rue S. Jacques, à l'Image de S. Iean Baptiste.

M. DC. LXV.

AVEC PRIVILEGE DV ROY.

(1)

Numb. 1.

PHILOSOPHICAL  
TRANSACTIONS.

Munday, March 6. 1667.

The Contents.

*An Introduction to this Treat. An Account of the Improvement of Optick Glasses at Rome. Of the Observation made in England, of a Spot in one of the Belts of the Planet Jupiter. Of the motion of the late Comet predicted. The Heads of many New Observations and Experiments, in order to an Experimental History of Cold; together with some Thermometrical Discourses and Experiments. A Relation of a very odd Mousstrous Calf. Of a peculiar Lead-Ore in Germany, very useful for Essays. Of an Hungarian Bolus, of the same effect with the Bolus Armenus. Of the New American Whale-fishing about the Bermudas. A Narrative concerning the success of the Pendulum-watches at Sea for the Longitudes; and the Grant of a Patent thereupon. A Catalogue of the Philosophical Books published by Monsieur de Fermat, Counsellour at Tholouse, lately dead.*

The Introduction.

**W**HEREAS there is nothing more necessary for promoting the improvement of Philosophical Matters, than the communicating to such, as apply their Studies and Endeavours that way, such things as are discovered or put in practise by others; it is therefore thought fit to employ the *Press*, as the most proper way to gratifie those, whose engagement in such Studies, and delight in the advancement of Learning and profitable Discoveries, doth entitle them to the knowledge of what this Kingdom, or other parts of the World, do, from time to time, afford, as well

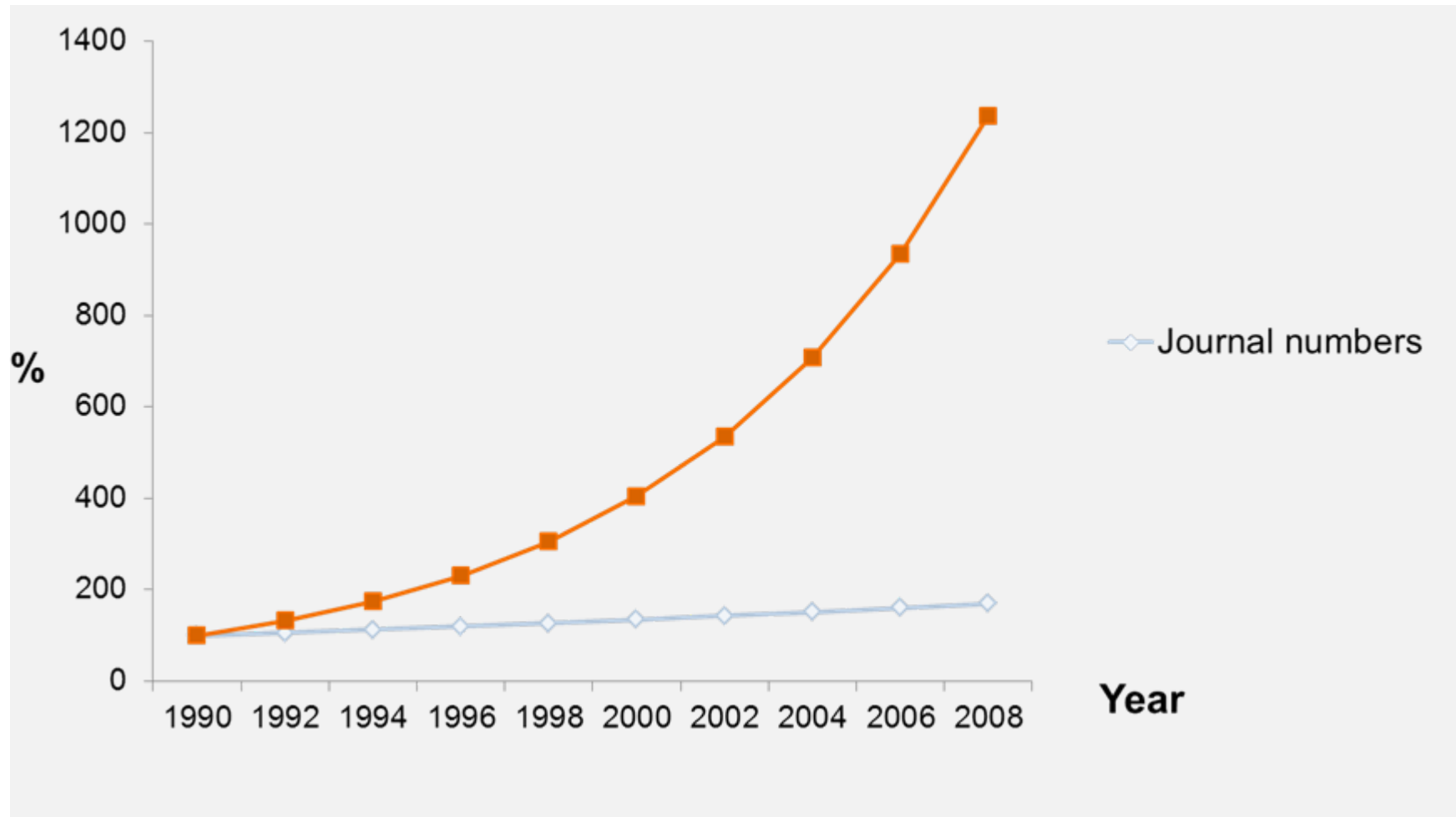
A

of

# Scientific Publishing

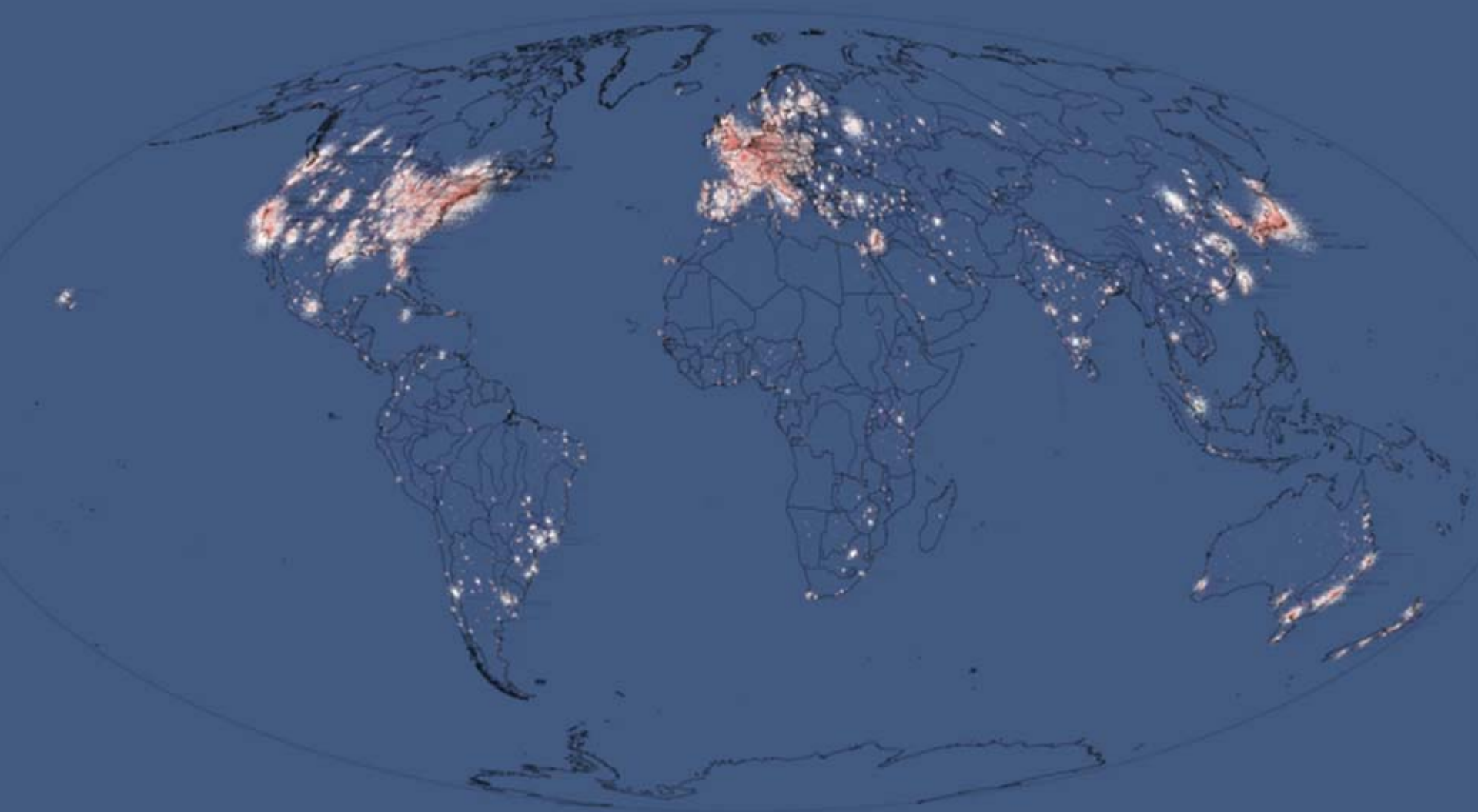
- Acceleration around 1760
- Since then: doubling every 15-20 years
- (Springer 1842. Politics, agriculture, mathematics)
- 1880: articles often 200-300 pages
- 1920: research split up in many short articles
- Now over 180.000 journals/report series
- Approx 20.000 peer reviewed
- 1.8M peer reviewed articles/year, by 2.000 publishers, read by over 15M scientists
- 50.000 scientific books/year, by 1.000 publishers
- 1969 – Internet
- 1989 – WWW
- 1991 – arXiv at LANL
- (SpringerLINK journals 1997 & ebooks 2006)

# Increased competition



Relative growth from 100% baseline in 1990

# GEOGRAPHIC MAP: WHERE SCIENCE GETS DONE





# Springer is now the World's largest publisher



*Belarus (through Ministry of Edu-Sci) has been offered all this access*

## **eJournals:**

Over 2,400 titles (bf since 1832)

## **eBooks:**

Over 8,500 new titles per year, in total over 160,000 (bf since 1842)

## **Databases:**

Springer Protocols

Springer Images

zbMATH

Springer Materials

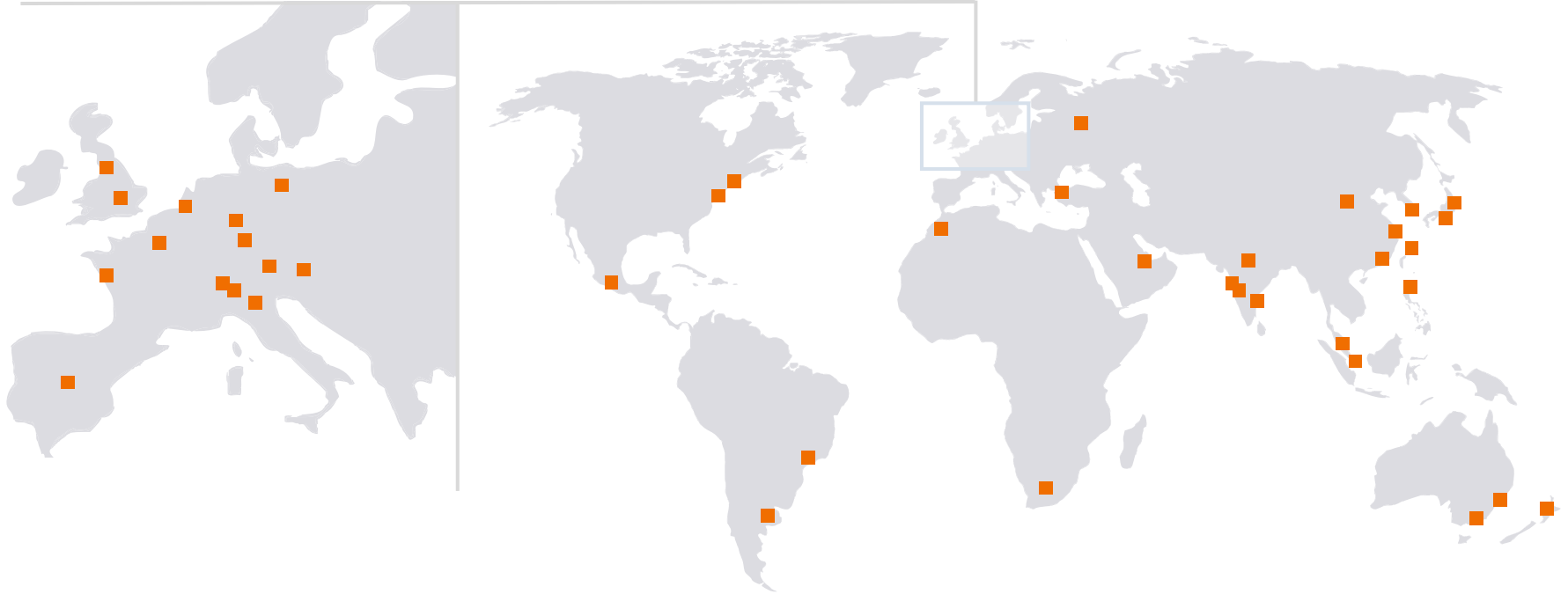
SpringerReference

## **Locations:**

60 publishing houses in 27 countries throughout Europe, Africa, Asia, America & Oceania



# Springer has many offices



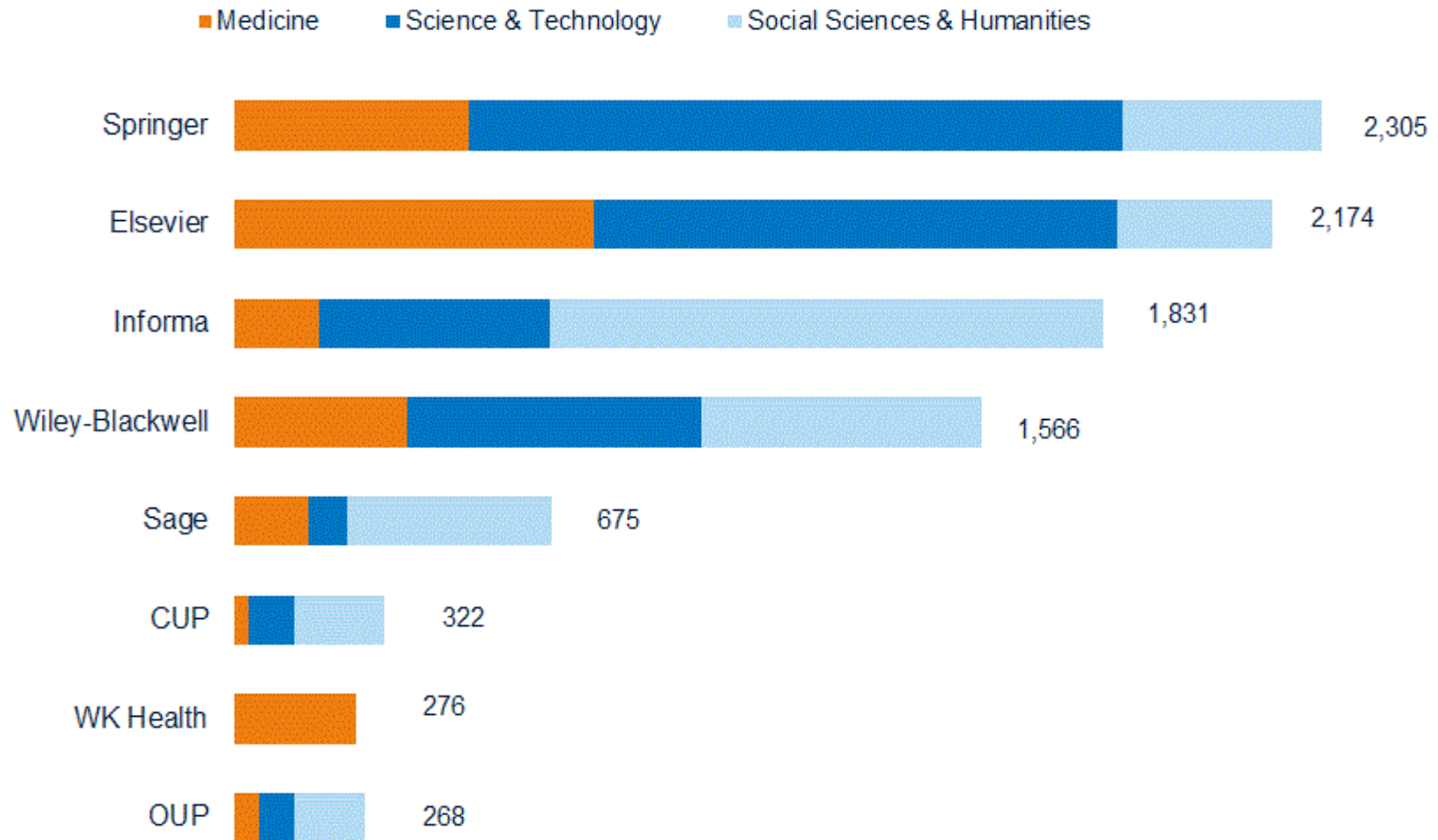
Argentina / Australia / Austria / Brazil / China / France / Germany / India / Italy / Japan / Malaysia / Mexico / Morocco / The Netherlands / New Zealand / Philippines / Russia / Singapore / South Africa / South Korea / Spain / Switzerland / Taiwan / Turkey / United Arab Emirates / United Kingdom / USA

# And many publishing brands



# Leading Publishers: Number of Journals Titles

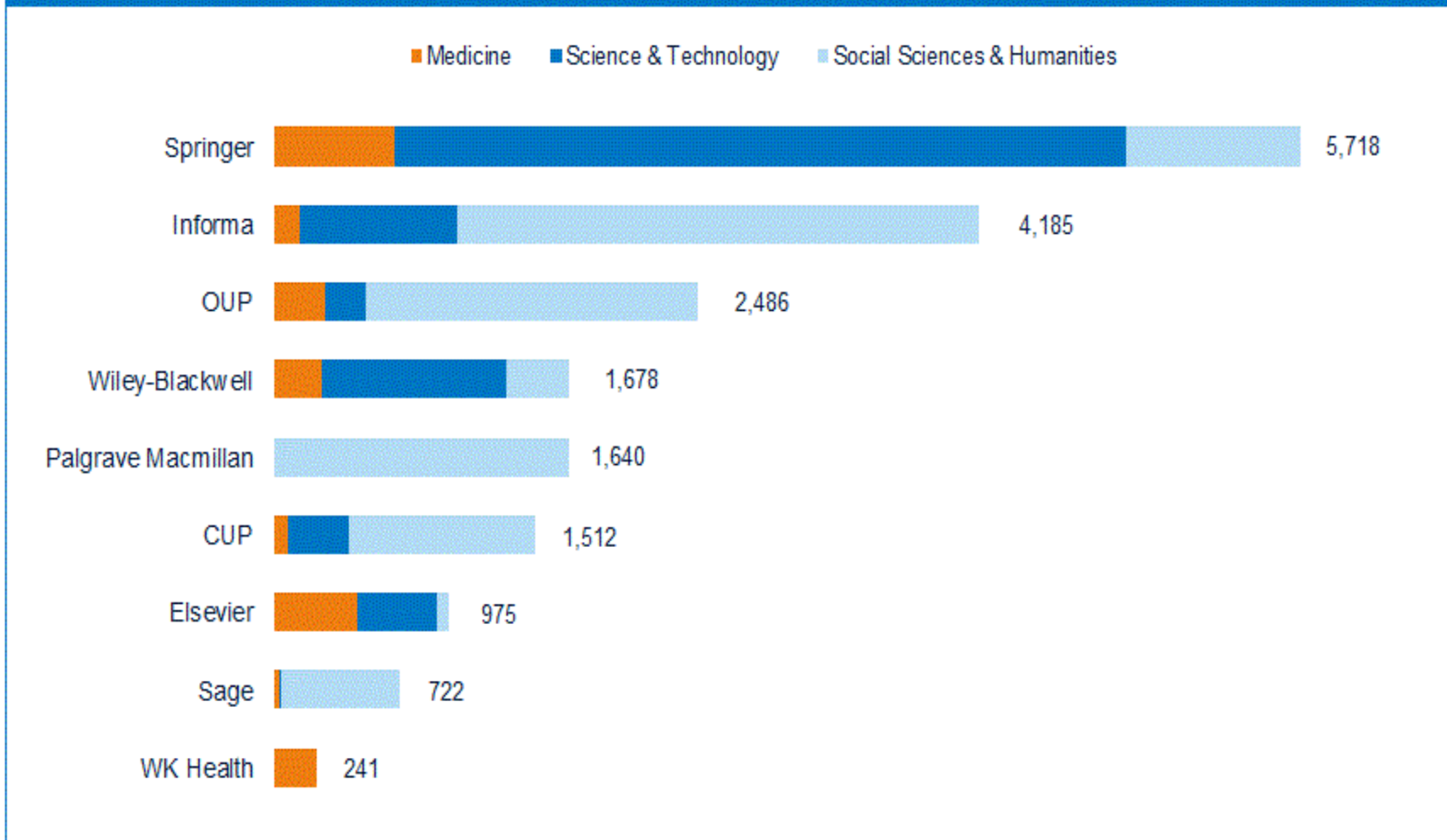
Number of English-Language Journals Published in 2013



Source: Publisher journal price lists; English-language academic/scholarly journals only

# Leading Publishers: Number of Books Published

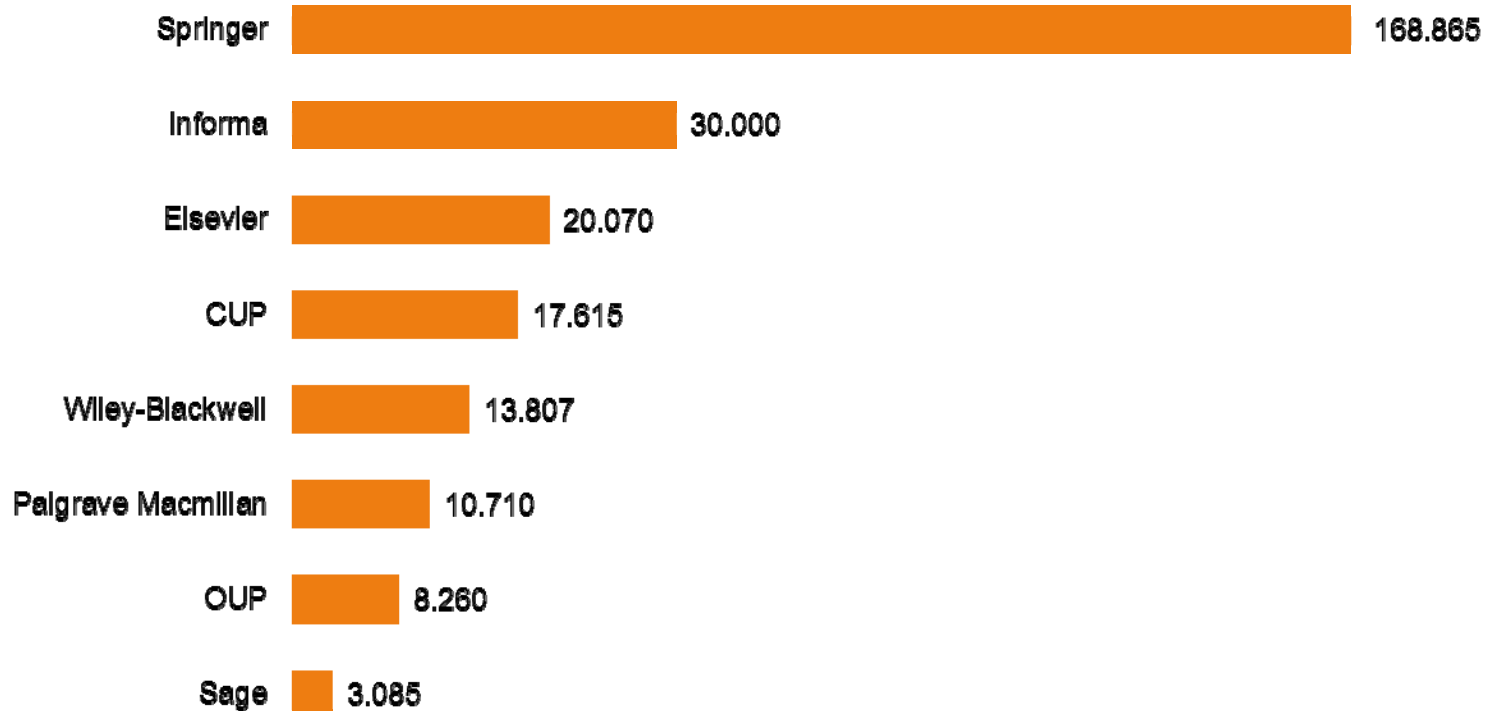
## Number of English-Language Titles Published in 2012



(Data from [www.puballey.com](http://www.puballey.com); if a book is published simultaneously in hard- and paperback editions, only the hardback edition was included)

# Leading eBooks Publishers: Total Number of eBooks

## Number of English-Language eBooks Available (as of Jan 2014)



*(Data from publisher websites; estimates for Informa)*

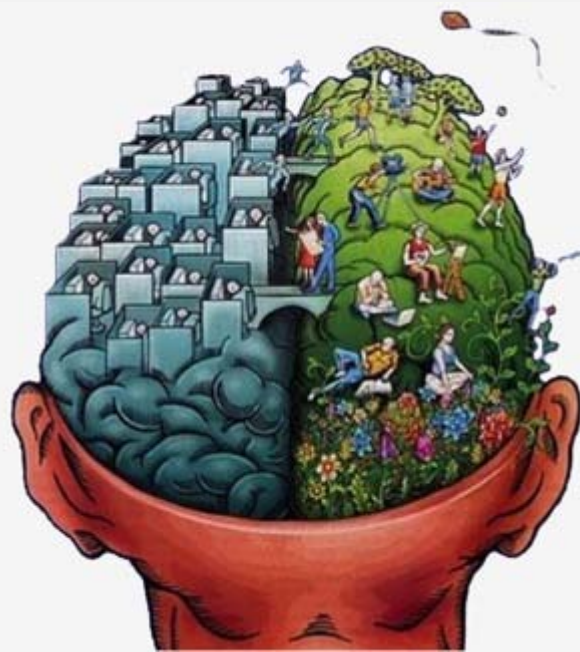
# How many centuries does Springer's scientific digital information last?

- 1) Archival rights
  - Continued access on our server
  - Data delivery (disks, ftp)
- 2) National servers - CILEA, RFBR, etc
- 3) Long-range archiving with German National Library and Royal Library of the Netherlands
- 4) Other projects:
  - ✓ LOCKSS & CLOCKSS (*controlled* LOCKSS, lots of copies keeps stuff safe) (Stanford) – Springer's own formats
  - ✓ Portico (Jstor) – Jstor's formats

Both sides of the brain  
are essential and work  
in harmony

Logic

Reading



Creativity

Writing

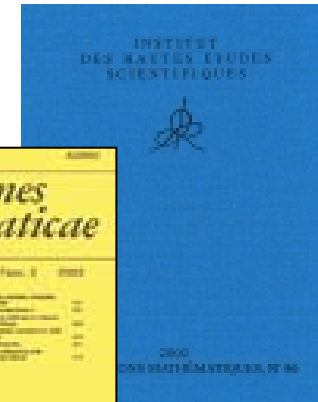
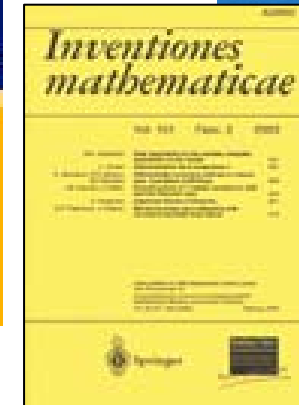
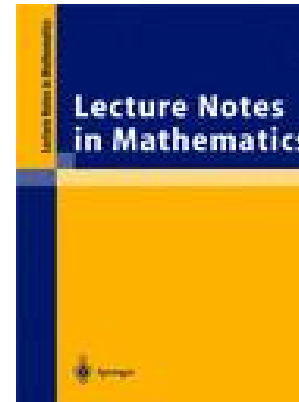
Similarly, reading and writing are connected



# Springer publishing choices

## You can choose –

- *(books/journals/protocols)*
- *(print/electronic)*
- *(traditional/open access)*



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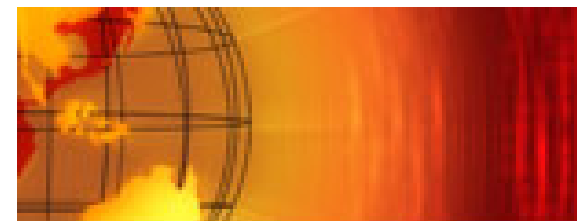
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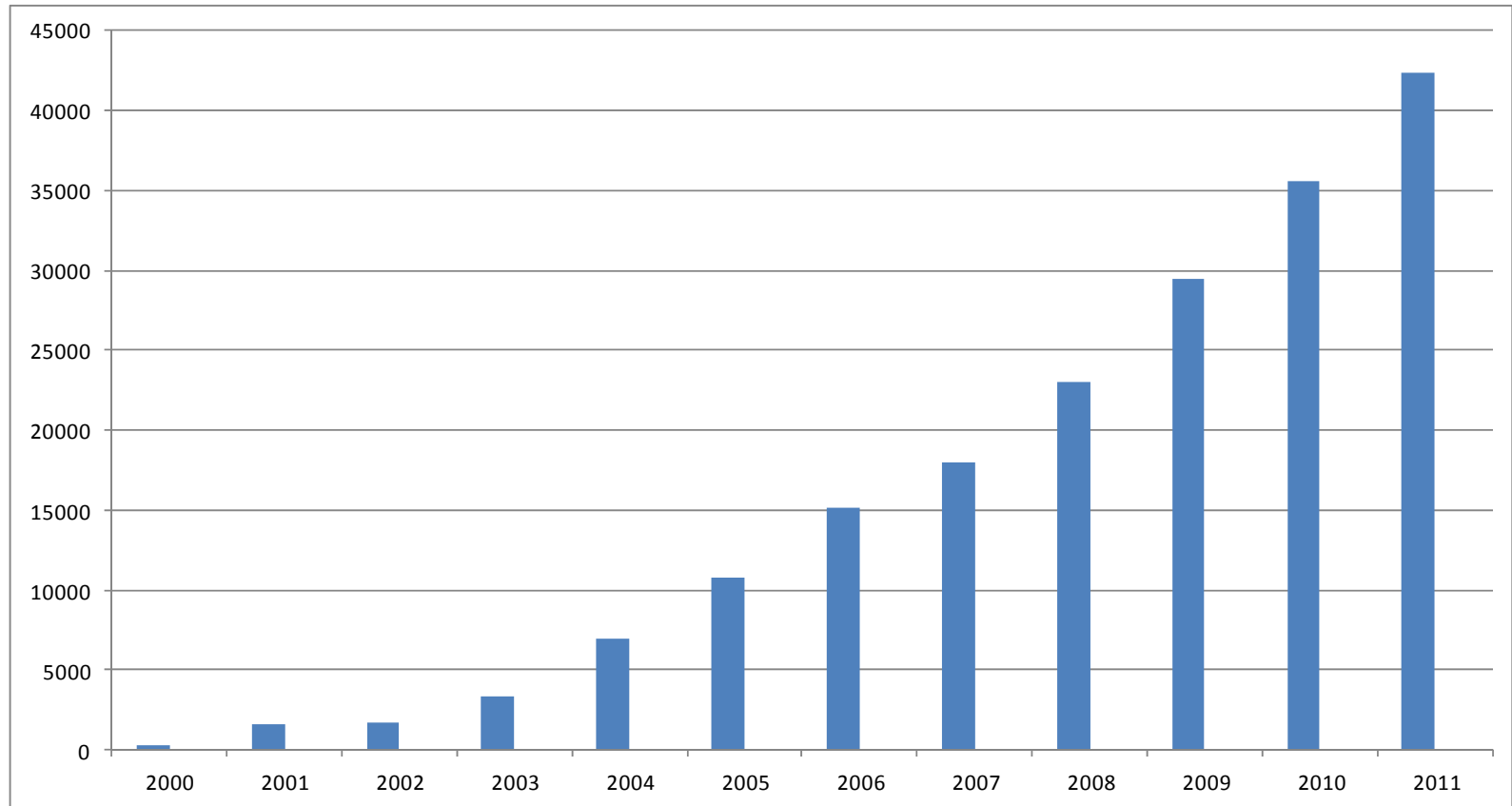
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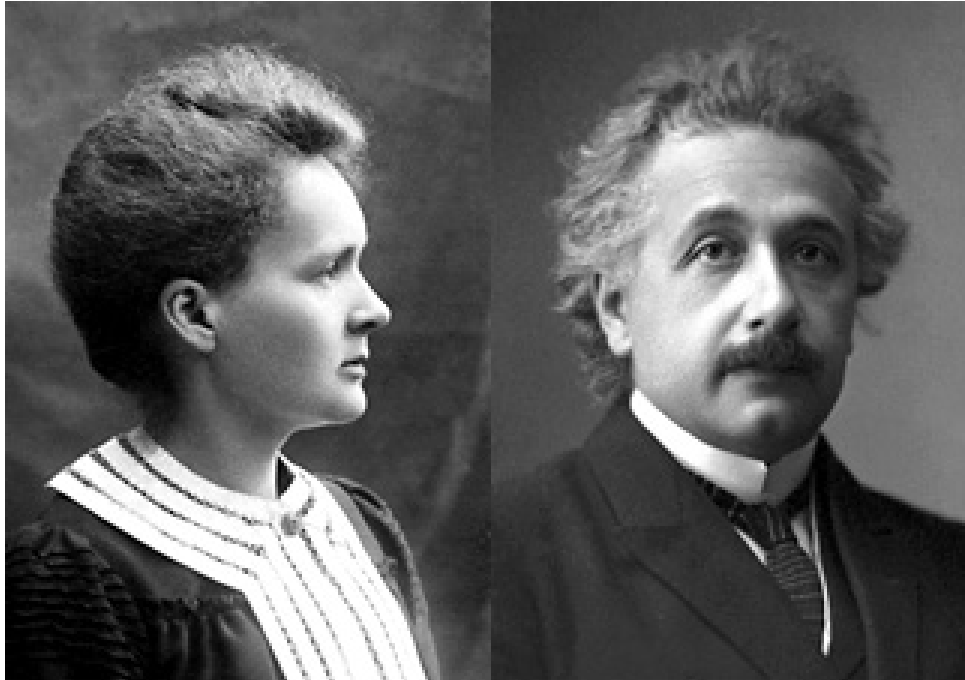


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# Quality and tradition



**Nobel Prize winners are  
also Springer authors**

# And now I leave the floor to Alex

- Hoping for a strong partnership between Springer and Russia!



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